

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

NO.SD-III-CB-Tender/2022-23- 19235  
To

Dated:- 26-9-22

*The Executive Engineer(IT Cell)  
Nigam Vihar, Shimla-2*

*Subject:- Tender Notice*

*Enclosed kindly find herewith the tender notice for the various works as given in the notice inviting tender for uploading on department website as per notification of Principal Secretary (PW) to the Govt. of HP vide letter No.PBW(B)A(3)1/2020 dated 16<sup>th</sup> July, 2021 as the works mentioned in the notice inviting tender are urgent/emergent nature of works in public interest.*

*Encl:- as above*

*Executive Engineer,  
Shimla Division No-III,  
HP.PWD.Shimla-3*

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT  
\*NOTICE INVITING TENDER\***

Sealed item rate tenders on form No- 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP PWD Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in HP PWD, so as to reach in his office on or before 06-10-2022 up to 10.30 A.M. and will be opened on the same day at 11.00 A.M. in the presence of the intending Contractors/Firms or their authorized representatives. The tender form can be had from his office against cash payment (non-refundable) on any working day up to 4.00 P.M. on 04-10-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 04-10-2022.

The earnest money in the shape of National saving Certificate/Time deposit account/saving account in any of the post office in HP, duly pledged in favour of Executive Engineer, Shimla Division No-III must accompany with the application form for the tender offer. Conditional tender and the tender received without earnest money will summarily be rejected. The Executive Engineer reserves the right to reject the tender without assigning any reason there to. Other conditions are applicable as perform No. 6&8. The offer shall remain open for 30 days.

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Form No	Cost of form
1	A/R & M/O to residential building block-C, Type-III at Hollyoak, Sargauli Shimla. (SH:- Repair of balcony outer side painting, water supply & Sanitary fittings etc. complete).	Rs.3,68,678/-	Rs.7380/-	One Month	6&8	350/-
2	Special repair to various residential buildings under Shimla Division NO-III (SH:- Providing & fixing cupboards, tiles, shutters, ceiling, painting distempering including sanitary fittings in set No. 35/2TF) at Nabha Estate Shimla.	Rs.3,06,019/-	Rs.6150/-	One Month	6&8	350/-
3	A/R & M/O Ellerslie and armsdale building at H.P Secretariat Shimla. (SH:- Re-aligning of water supply pipe line from chowk near Governor Rest House 0/0 to 0/396).	Rs.4,00,110/-	Rs.8010/-	One Month	6&8	350/-
4	A/R & M/O various non residential building at IGMIC Shimla (SH:- Supplying of various items for maintenance of day to day for block-C, D, E, fluc OPD, Makeshift and ARTCenter).	Rs.4,90,821/-	Rs.9820/-	One Month	6&8	350/-
5	A/R & M/O various residential buildings under division no III Shimla (SH:- Repair of cupboard and other miscellenous repair in set No. 1 & 2 at old Richmond Shimla).	Rs.77,263/-	Rs.1550/-	One Month	6&8	350/-
6	Stock storage of Shimla Division No III HPPWD Shimla for the year 2022-23 (SH:- Loading and Unloading of cement, CGI-PGI sheets, Tor Steel, Bitumen, road bound pot seal and other misc. items).	Rs.4,50,250/-	Rs.9050/-	One Month	6&8	350/-
7	A/R & M/O various residential buildings under Shimla Division No III (SH:- Repair of roof in block No. 20 of set No. 1 & 2 etc) at Nabha Estate Shimla.	Rs.2,07,727/-	Rs.4200/-	One Month	6&8	350/-
8	Special repair to various residential buildings under Division No.III Shimla. (SH:- Repair of kitchen, repair of toilet and other miscellenous repair work in castle Groove building at Boileauganj Shimla).	Rs.4,93,457/-	Rs.9870/-	One Month	6&8	350/-
9	Special repair to DDU hospital building at Shimla (SH:- Repair of Eye ward, special ward & main block-D of old building etc) at DDU hospital Shimla.	Rs.3,75,895/-	Rs.7550/-	One Month	6&8	350/-
10	Special repair to Ellerslie Main building at HP Secretariat Shimla-2. (SH:- Construction of women's and handicapped person toilet on 3 <sup>rd</sup> floor).	Rs.4,98,194/-	Rs.9970/-	One Month	6&8	350/-
11	Special repair of Sarvodaya Laper Colony Dwindale Phagli Shimla (SH:- Covering of boundary with CGI sheet).	Rs.3,86,170/-	Rs.7750/-	One Month	6&8	350/-
12	Special repair to Kamla Nehru Hospital Shimla. (SH:- Providing and fixing 19mm board work for almshouse in dispensary OPD block).	Rs.2,39,799/-	Rs.4800/-	One Month	6&8	350/-
13	Special repair of Armsdale main building at H.P Secretariat Shimla-2 (SH:- Providing and fixing PVC down pipe for gutter with fittings in front side of Armsdale building).	Rs.3,46,461/-	Rs.6930/-	One Month	6&8	350/-
14	A/R & M/O to MBBS/BDS Girls Hostel Bleasington Estate Lakkar Bazar Shimla. (SH:- Dismantling work, tile work and kota Stone Flooring etc.)	Rs.4,16,928/-	Rs.8340/-	One Month	6&8	350/-
15	A/R & M/O to various blocks, under IGMIC, Shimla (SH:- Providing and fixing panelled glazed shutters at various floors of block-D at IGMIC Shimla).	Rs.1,61,862/-	Rs.3240/-	One Month	6&8	350/-
16	A/R & M/O to Kamla Nehru Hospital Shimla (SH:- Painting and distempering in special wards and stair eases of OPD block building).	Rs.1,45,906/-	Rs.2920/-	One Month	6&8	350/-
17	Special repair of Nursing Girls Hostel at IGMIC Shimla. (SH:- Renovation of toilet (block-B) dismantling work, cement concrete, wood work, floor tile, painting and distempering & Sanitary work in fifth floor right side).	Rs.4,48,574/-	Rs.8980/-	One Month	6&8	350/-
18	A/R & M/O Armsdale building at H.P Secretariat Shimla. (SH:- Providing and fixing polycarbonate sheet and glass panes etc. GAD workshop).	Rs.1,47,368/-	Rs.2950/-	One Month	6&8	350/-
19	Special repair to Basket Ball Court of Bhava Hostel at Holly Oak Shimla. (SH:- Providing and Laying sand stone flooring and C/O PCC drain in Basket Ball Court).	Rs.3,83,130/-	Rs.7670/-	One Month	6&8	350/-
20	Special repair to Medical College at IGMIC Shimla. (SH:- Providing and fixing wood work, cupboard, replacement of sanitary fitting in lab No. 507 of Biochemistry Department of Medical College at IGMIC Shimla).	Rs.1,62,112/-	Rs.3250/-	One Month	6&8	350/-



21	Special repair of phase-I building at IGMC Shimla. (SH:- Providing and laying C.C. 1:2:4, water proofing treatment plaster in RCC gutter in valley side).	Rs.4,99,000/-	Rs.9980/-	One Month	6&8	350/-
22	Special repair to Sarvodaya Leper Colony Dwindale Phagli Shimla. (SH:- covering of boundary with CGI Sheet & frame work etc.).	Rs.4,04,940/-	Rs.8100/-	One Month	6&8	350/-
23	A/R & M/O to non residential building under Shimla Division No. III (SH:- Providing and fixing polycarbonate sheet and steel work in roof of block-A & B of Nirman Bhawan at Nigam Vihar Shimla).	Rs.4,98,234/-	Rs.9970/-	One Month	6&8	350/-
24	Special repair to Kamla Nehru Hospital Shimla. (SH P/F aluminium work, brick work, tile work & WS & SI work etc. in pahamacy (Dispensary) at KNH Shimla).	Rs.2,33,570/-	Rs.4680/-	One Month	6&8	350/-
25	A/R & M/O old Dental Nursing Hostel 1st floor at IGMC Shimla (SH:- Providing and fixing accessories in bath and toilets kitic pipe in external side, PGI, sheet, Gully Trap PVC pipe 100 mm dia out side of toilet).	Rs.3,82,394/-	Rs.7650/-	One Month	6&8	350/-
26	Special repair to Principal Office at IGMC Shimla. (SH:- Providing and fixing HDF flooring, wooden plank flooring, vitrified tiles, wood work, painting and distempering work etc. complete).	Rs.4,71,209/-	Rs.9430/-	One Month	6&8	350/-
27	Special repair of Kamla Nehru Hospital Shimla (SH:- Distempering work, C.C. work and WS & SI installation in first floor of MCH Shimla).	Rs.1,58,512/-	Rs.3180/-	One Month	6&8	350/-
28	A/R M/O to residential building under Shimla Division No.III (SH:- Painting and distempering in set No. 608,610,614,619,621,622,623 and 625 in block No. 25 and set No. 647,648 and 650 in block No. 28 at New Shimla Sector-3).	Rs.1,62,615/-	Rs.3260/-	One Month	6&8	350/-
29	Special repair to Nursing Girls Hostel at IGMC Shimla. (SH:- Renovation of toilet (Block-B) Dismantling work, cement concrete, wood work, floor tile, painting and distempering & Sanitary work in sixth floor right side).	Rs.4,47,364/-	Rs.8950/-	One Month	6&8	350/-
30	Providing staff for maintance of various buildings under Medical College Sub Division No.II IGMC Shimla).	Rs.4,89,064/-	Rs.9790/-	One Month	6&8	350/-
31	Special repair to Kamla Nehru Hospital Shimla (SH:- Providing and fixing Aluminium work, cup board, painting & Distempering work in labour room and room No. 100 in OPD block).	Rs.1,39,446/-	Rs.2790/-	One Month	6&8	350/-
32	Special repair to non residential buildings under Shimla Division No. III (SH:- Construction of main gate in the office of the Engineer-In-Chief at Nirman Bhawan, Nigam Vihar Shimla).	Rs.4,72,356/-	Rs.9450/-	One Month	6&8	350/-
33	Restoration of rain damages to road from Old MLA Qtrs to Boileauganj Crossing by-Pass road Km 0/00 to 0/400 (SH:- Construction of Brest wall at Rd 0/320 to RD 0/325.50)	Rs.3,87,673/-	Rs.7750/-	One Month	6&8	350/-
34	Special repair of Hematology Lab at IGMC Shimla (SH:- Dismantling & Providing and fixing, wood work, steel work, tiles work etc. in Hematology lab and room No. 401 at IGMC Shimla).	Rs.3,53,990/-	Rs.7080/-	One Month	6&8	350/-
35	A/R & M/O Ellerslie main building at HP Secretariat Shimla-2 (SH:- Providing extra rain water pipes to stop direct fal of water on floor/ roofs near canteen).	Rs.76,327/-	Rs.1530/-	One Month	6&8	350/-
36	Special reappear to Armsdale main building at HP Secretariat Shimla-2. (SH:- Providing and Fixing PVC down pipe of gutter with fittings in back side of Armsdale building).	Rs.3,46,461/-	Rs.6930/-	One Month	6&8	350/-
37	Special repair to Kamla Nehru Hospital Shimla (SH:- Providing and fixing aluminum work and pre-laminated practical board etc. in OPD block etc.).	Rs.2,67,773/-	Rs.5360/-	One Month	6&8	350/-
38	Special repair of Nursing Hostel & UG PG Doctor Hostel under IGMC Shimla. (SH:- Construction of pedestal for water tanks near Cancer Hospital).	Rs.4,99,282/-	Rs.9990/-	One Month	6&8	350/-
39	A/R & M/O Armsdale building at HP Secretariat Shimla-2. (SH:- Providing and fixing G.I. pipe in ceiling of Armsdale, CPVC pipe in duct of officers toilet and other minor repair etc.).	Rs.2,40,250/-	Rs.4810/-	One Month	6&8	350/-
40	Special repair of various building at IGMC Shimla (SH:- Painting and distempering in Electrical Plant & Generator Rooms in block A,B,C,D, E & Lift portion).	Rs.1,86,511/-	Rs.3740/-	One Month	6&8	350/-
41	Restoration of rain damages to road from Old MLA qtrs. to Boileauganj crossing by-Pass road Km 0/00 to 0/400. (SH:- Construction of R/Wall at RD 0/369.50 to RD 0/375).	Rs.3,65,641/-	Rs.7310/-	One Month	6&8	350/-
42	A/R & M/O various residential buildings under Division (SH:- Painting and distempering in new and old gumti, guard room at Hon'ble Chief Justice residence at Chaura Maidan Shimla).	Rs.80,382/-	Rs.1610/-	One Month	6&8	350/-
43	Special repair to various residential buildings under Division No.III (SH:- Repair of roof (front side) in block No.30 at U.S. Club Shimla).	Rs.3,28,606/-	Rs.6580/-	One Month	6&8	350/-
44	Improvement of road from cart road to Annadale road Km 0/00 to RD 4/160. (SH:- Construction of P.C.C. retaining wall at RD 3/286 to 3/293).	Rs.4,21,131/-	Rs.8420/-	One Month	6&8	350/-
45	Restoration of rain damages on road from Navbahar to Holly Lodge Km. 0/00 to 2/670 (SH:- C/O retaining wall at Rd. 0/450 to 0/472).	Rs.4,11,264/-	Rs.8230/-	One Month	6&8	350/-



46	A/R & M/O various residential building and non residential buildings under Shimla Division No.III (SH:- Supplying of various materials for day to day repair and Maintainance under Shimla Sub Division No.-IX HP Sectt. For various section).	Rs.4,95,343/-	Rs.9910/-	One Month	6&8	350/-
47	Improvement of road from cart road to Annadale road Km 0/00 to Rd 4/160. (SH:- Construction of P.C. C. retaining wall at RD 3/175 to 3/180).	Rs.4,50,316/-	Rs.9090/-	One Month	6&8	350/-
48	Special repair to various residential buildings under Division No. III Shimla. (SH:- Providing and fixing PGI sheet ceiling, repair of flooring etc in C-5 at Old MLA qtrs.. at Boileauganj Shimla).	Rs.2,97,408/-	Rs.5950/-	One Month	6&8	350/-
49	Special repair to various residential buildings under Division No. III Shimla. (SH:- Renovation of room No. 3& 4, Balcony repair, repair of store room in set No.11 block -B type-V qtrs. at Richmond Shimla).	Rs.2,72,489/-	Rs.5450/-	One Month	6&8	350/-
50	Special repair to Armsdale Main building at H.P Sectt. Shimla-2 (SH:- Providing and fixing 12mm thick ply in conference hall of Armsdale building).	Rs.4,97,175/-	Rs.9950/-	One Month	6&8	350/-
51	A/R & M/O to residential building under Shimla Division No.III (SH:- Providing and fixing almirah for displaying mementos at main entrance, cup-board in type-II, set No. 7 and 8, notice board in dining hall and steel stand for water tanks in Grader area at Raj Bhawan Shimla-2).	Rs.2,08,248/-	Rs.4170/-	One Month	6&8	350/-
52	Special repair to various residential buildings under Division No. III Shimla (SH:- Repair of roof and chajja set No.1 in block No.1 type-IV at Richmond Shimla).	Rs.3,42,002/-	Rs.6840/-	One Month	6&8	350/-
53	Special repair to various residential buildings under Shimla Division No. III (SH:-Providing & fixing cupboards in block No. 35B/1,4,5,35/1 TF& J-III/104 etc). at Nabha Estate Shimla.	Rs.3,76,251/-	Rs.7550/-	One Month	6&8	350/-
54	A/R & M/O to various residential building under Shimla Division No. III (SH:- Providing and laying floor and wall tiles, PGI. Sheet ceiling, cup board, partition wall, painting and distemping etc in set No. 3 ground floor of Attorney cottage at Barnes court Shimla-2).	Rs.2,19,148/-	Rs.4390/-	One Month	6&8	350/-
55	A/R & M/O various residential buildings under Division No. III Shimla. (SH:- Providing and Fixing polycarbonate sheet, painting and distemping in block D-2 in block -C new MLA Hostel at Vidhan Sabha Shimla).	Rs.1,00,185/-	Rs.2000/-	One Month	6&8	350/-
56	Special repair to Armsdale building at H.P. Secretariat Shimla. (SH:- Providing and fixing rack and repair of tables etc. in room No. Y-201 including other minor repair work).	Rs.1,51,416/-	Rs.3030/-	One Month	6&8	350/-
57	A/R & M/O to residential building block (A) , Type-I at Correstophen Estate Lakkar Bazar Shimla (SH:- Providing plinth protection, CC, Drain and finishing work etc. complete)	Rs.3,61,949/-	Rs.7240/-	One Month	6&8	350/-
58	A/R & M/O to residential building under Shimla Division No. III (SH:- Painting and distemping in tushar room, wating room with general toilet and OSD Office, P/F pine wood panellin, Almirah and polishing etc. in OSD Office, Secretary to Governor's office at Raj Bhawan Shimla-2).	Rs.3,58,876/-	Rs.7180/-	One Month	6&8	350/-
59	A/R & M/O Armsdale building at H.P Secretariat Shimla. (SH:- Providing and fixing pine wood paneling aluminium doors/windows and painting/polishing etc. in room No. Y-101).	Rs.4,79,674/-	Rs.9600/-	One Month	6&8	350/-
60	Special repair of Armsdale building at HP Secretariat Shimla-2 (SH:- Cleaning of water storage tanks, grinding of kota stone and other minor repair etc.).	Rs.1,86,386/-	Rs.3730/-	One Month	6&8	350/-
61	Special repair to DDU hospital building at Shimla (SH:- Repair of damaged circular Up-stairs in front of OPD block & PVC flooring in Eye & Special ward of old building) at DDU hospital Shimla.	Rs.4,69,339/-	Rs.9400/-	One Month	6&8	350/-
62	A/R and M/O Armsdale building at H.P Secretariat Shimla-2 (SH:- Providing and fixing polycarbonate and CGI sheets and other misc. repair works etc).	Rs.4,97,806/-	Rs.9960/-	One Month	6&8	350/-
63	A/R & M/O Ellerslie and Armsdale building at H.P Secretariat Shimla. (SH:- re-aligning of water supply pipe line from chowk near Governor Rest House 0/792 to 1/188).	Rs.4,00,110/-	Rs.8010/-	One Month	6&8	350/-
64	Special repair to Ellerslie main building at H.P. Secretariat Shimla-2 (SH:- Repair of roof leakage, flushing repair and shifting of PVC and GI pipe line along with new RCC lift).	Rs.3,55,450/-	Rs.7110/-	One Month	6&8	350/-
65	Special repair to residential building under Shimla Division No. III (SH:- Renovation of Rooms, kitchen and Toilets of set No. 1 ground floor block No. 9 at Barnes Court Shimla-2).	Rs.3,52,532/-	Rs.7060/-	One Month	6&8	350/-
66	Special repair to various residential buildings under Shimla Division No. III (SH:- Providing & fixing cupboards, shutters, flooring, marble, tiles, painting & sanitary fittings etc in block No. 1/1A R.H. 1/3 RH & F-III/41 etc ) at Nabha Estate Shimla.	Rs.2,68,146/-	Rs.5400/-	One Month	6&8	350/-
67	Special repair to various residential buildings under Shimla Division No. III (SH:- Providing and fixing tiles, lining, shutters, painting & distemping in block No. 14/2 TF) at Nabha Estate Shimla.	Rs.3,74,933/-	Rs.7500/-	One Month	6&8	350/-
68	A/R & M/O various residential buildings under Division No. III Shimla. (SH:- Repair of PGI sheet ceiling, repair of flooring and other miscellaneous repair work in Old MLA qtrs. in C-26 at Boileauganj	Rs.3,72,882/-	Rs.7460/-	One Month	6&8	350/-



	Shimla).					
69	A/R & M/O various residential buildings under Division No.III Shimla. (SH:- Repair of roof, soffits etc in block III set No. 21 and block-17 valley side at U.S. Club Shimla).	Rs.3,69,122/-	Rs.7380/-	One Month	6&8	350/-
70	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and fixing cup board tiles, painting & distempering, WS & SI etc. in block I set No.1 ground floor type-II qtrs. & set No 8 and 4 third floor type-III qtrs. at knolls wood Shimla-2).	Rs.3,80,039/-	Rs.7610/-	One Month	6&8	350/-
71	A/R & M/O Armsdale building at H.P Sectt. Chotta Shimla-2(SH:- Providing and fixing kent Elite plus water Purifier in Armsdale building).	Rs.2,85,000/-	Rs.5700/-	One Month	6&8	350/-
72	A/R & M/O various residential buildings under Division No. III Shimla. (SH:- Repair of bath/toilets in set No. 4,5,6 at Armsdale qtrs. near Peterhoff & repair of kitchen, toilet in set No. C-26 at Old MLA qtrs. near Boileaugang Shimla).	Rs.3,82,236/-	Rs.7640/-	One Month	6&8	350/-
73	Special repair to various residential buildings under Shimla Division No. III (SH:- Providing & fixing cupboards, tiles, flooring, painting including sanitary fittings in set No. 1/24 RH, I-II/59, block 25 type-III 59 etc) at Nabha Estate Shimla.	Rs.3,81,922/-	Rs.7650/-	One Month	6&8	350/-
74	A/R & M/O various residential buildings under Division No.III Shimla.(SH:- Repair of tiles work, repair of cupboard, and other miscellenous repair work in type-I' set No.16 at Richmond Shimla).	Rs.4,94,394/-	Rs.9890/-	One Month	6&8	350/-
75	A/R & M/O various residential buildigns under Divison No. III (SH:- Repair of tiles work, repair of flooring, repair of paver block, repair of toilet & W/C and sanitary fixture ofor type V1 set No. 3 at Richmond and repair of cupboards, repair of flooring in block-35 set 22 at U.S Club Shimla).	Rs.4,86,178/-	Rs.9720/-	One Month	6&8	350/-

It is certified that the above works are required to be carried out immediately being emergent nature of work in public interest.

**Terms & Conditions:-**


- 1 The contractor/firm shall have his GST No. and attested copy of the same be attached with the application for issue of tender form.
- 2 The contractor/firm should attach attested copy of registration/renewal.
- 3 Copy of PAN card be attached with the application form

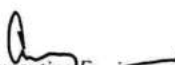
19239-58

NO.SD-III-CB-Tender/2022-23-

Copy forwarded for the following for information and necessary action to:-

1. The Engineer-in-Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla-2.
2. The Deputy Commissioner Distt. Shimla-1.
3. The Superintending Engineer 4th Circle in H.P, PWD Shimla with the request to issue necessary certificate regarding display of above tender notice in the notice board of circle office in view of the Principal Secretary (PW) to the H.P notification No.PBW (B) A (3)1/2020 Dated:-Shimla-2 the 07January, 2021 and even file No.PBW (B) A(3)1/2020 Dated 16 July, 2021 Please.
4. The Executive Engineer, IT wing to the Engineer-in-Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla- 2 along with schedule of Quantity through (e-mail) for taking necessary action in view of principal Secretary(PW) to the Government of Himachal Pradesh notification No.PBW (B)A(3)1/2020 dated 16th July, 2021.
5. The Municipal Commissioner M.C. Shimla.
6. All the Assistant Engineers working under this Division.
7. The president contractor/association Shimla.
8. Notice board

  
Executive Engineer,  
Shimla Division No-III,  
HP.PWD.Shimla-3  
Dated:- 26-9-22

  
Executive Engineer,  
Shimla Division No-III,  
HP.PWD.Shimla-3



SCHEDULE OF QUANTITY

①

Estimated Cost Rs. :- 368678.00

Earnest Money Rs. :- 7380.00

Time:- One Month.

Name of work: - A/R & M/O to Residential Building Block-C, Type- III at Hollyoak, Sanjauli Shimla (SH:- Repair to Balcony outer side Painting , Water Supply & Sanitary Fittings Etc. complete )

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable materials within all leads & lifts as per direction of Engineer-in-charge.	1.78	Cum			Per Cubic Metre	
2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	0.57	Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form for all heights : (i) Suspended floors, roofs, landings, balconies and access platform	5.72	Sqm			Per Square Metre	
4	Edges of slabs and breaks in floors and walls (a) Under 20CM. Wide	9.60	Rmt			Per Running Metre	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level (i) Mild steel and Medium Tensile steel bars	51.30	Kg			Per Kilogram me	
6	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.(i) Hot finished welded type tubes	1037.59	Kg			Per Kilogram me Metre	
7	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	260.16	Kg			Per Kilogram me	



8	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	19.80	Sqm			Per Square Metre	
9	Providing and fixing M.S. BP sheet 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof member and applying a coat of red lead of primer complete in all respect as per directions of the Engineer-in-Charge.including entire carriage of materials in all leads and lifts	4.62	Sqm			Per Square Metre	
10	Providing and fixing polycarbonate transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	23.04	Sqm			Per Running Metre	
11	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.(i) With cement mortar 1:4 (1 cement : 4 fine sand)	97.48	Sqm			Per Square Metre	
12	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new steel work ncluding carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	76.62	Sqm			Per Square Metre	
13	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Steel Based Surfaces :(i) One or more coats on old work	100.52	Sqm			Per Square Metre	
14	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on wood based Surfaces :(i) One or more coats on old work	114.91	Sqm			Per Square Metre	
15	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work ( Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	411.53	Sqm.			Per square meter	
16	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	164.41	Sqm.			Per Square Metre	
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	170.33	Sqm			Per Square Metre	



18	Providing Scaffolding for all kind of works in Multistory Building up to all floor high/ levels Bamboo complete tiled with rope on joints and pedistal of CGI Sheet etc. In all respect including carriage of materials in all leads and lifts as per direction of the Engineer-In-Charge.	93.20	Sqm			per square meter	
19	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :(i) 15 mm dia nominal bore	35.50	Rmt			Per Running Metre	
20	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) 15 mm nominal bore	4.00	No.			Each	
21	Providing and fixing CP. brass stop cock of approved quality :(i) 15 mm nominal bore	6.00	No.			Each	
22	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete. 15 mm nominal bore	4.00	No.			Each	
23	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. 15 mm nominal bore, 105 mm long, weighing not less than 138 gms	6.00	No.			Each	
24	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board (i) 510x1040 mm bowl depth 250 mm	1.00	No			Each	
25	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	1.78	Cum			Per Cubic Metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

(2)

**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

306019.00  
6150.00  
One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, shutters, ceiling, painting distempering including sanitary fittings in set No. 35/2TF) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead Of area 3 sq. metres and below including carriage of materials within all leads and lifts	1.00 No			Each	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts	1.60 Cum			Per cubic meter	
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts	56.99 Sqm.			Per square metre	
4	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge including carriage of materials within all leads and lifts	0.30 Cum			Per Cubic meter	
5	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. - In cement mortar including carriage of materials within all leads and lifts	0.38 Cum			Per Cubic meter	
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge In Foundation and plinth	1.60 Cum			Per cubic metre	
7	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, helves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.30 Cum			Per Cubic meter	
8	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers including carriage of materials within all leads and lifts	3.41 Sqm.			Per square meter	
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more including carriage of materials within all leads and lifts.	36.00 Kgs.			Per Kilogramme	
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in Cement mortar 1:4 (1 cement :4 coarse sand) including carriage of materials within all leads and lifts	3.35 Sqm.			Per square meter	
11	Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (vener work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately) Area of slab upto 0.50 sqm including carriage of materials within all leads and lifts. Baroda green marble.	4.30 Sqm			Per square meter	
12	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chil/ral wood.	0.030 Cum			Per cubic metre	
13	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	0.55 Sqm			Per square meter	
14	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	7.95 Sqm			Per square meter	
15	Providing and fixing 19mm thick Commercial board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts.	8.76 Sqm.			Per square metre	
16	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	19.06 Sqm.			Per square metre	
17	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	12.83 Sqm			Per square metre	



18	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section l/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	38.32 Rmt			Per running metre.
19	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete 100x10 mm including carriage of materials within all leads and lifts.	2.00 No.			Each
20	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 75 mm including carriage of materials within all leads and lifts.	23.00 No.			Each
21	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	22.00 No.			Each
22	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete including carriage of materials within all leads and lifts.	41.06 Sqm			Per square meter
23	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm including carriage of materials within all leads and lifts.	15.93 Sqm			Per square meter
24	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. including carriage of materials within all leads and lifts.	76.00 Sqm			Per square meter
25	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre including carriage of materials within all leads and lifts.	1.46 Sqm			Per square meter
26	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	52.48 Sqm			Per square meter
27	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	127.02 Sqm			Per square meter
28	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.	189.99 Sqm			Per square meter
29	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	236.39 Sqm			Per square meter
30	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	52.80 Sqm			Per square metre
31	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	9.62 Sqm			Per square meter
32	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts. <b>HINDWARE</b>	1.00 No.			Each
33	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap including carriage of materials in all leads and lifts.	1.00 No.			Each
34	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.	1.00 No.			Each

35	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts	1.00 No.			Each
36	Providing and fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts	2.00 No.			Each
37	Providing and fixing 110mm X 75mm size PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts	3.00 No.			Each
38	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts	3.00 No.			Each
39	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. Brass screws including carriage of materials within all leads and lifts	2.00 No.			Each
40	Providing and fixing 500x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete, including carriage of materials within all leads and lifts	1.00 No.			Each
41	Providing and fixing 600mm x 20mm size C.P. Towel rail complete with C.P. brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts	1.00 No.			Each
42	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931 -15 mm nominal bore including carriage of materials within all leads and lifts	6.00 No.			Each
43	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 15mm nominal bore including carriage of materials within all leads and lifts	8.00 No.			Each
44	Providing and fixing uplasticsed PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts	7.00 No.			Each
45	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc 15 mm dia nominal bore including carriage of materials within all leads and lifts	25.80 Rmt.			Per running meter
46	Providing and fixing high pressure PVC Finolex Type B spgot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts -110mm dia	3.20 Rmt.			Per running metre
	ii) 75mm dia	7.00 Rmt.			Per running metre
47	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size	2.00 No.			Each
	ii) 75mm nominal size	5.00 No.			Each
48	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size	2.00 No.			Each
	ii) 75mm nominal size	3.00 No.			Each
49	Providing & fixing PVC Finolex Collet 110mm size of specified quality including carriage of materials in all leads and lifts	2.00 No.			Each
	ii) 75mm nominal size	4.00 No.			Each
<b>CONDITION:-</b>					<b>Total:-</b>

i) Rates should be quoted for all heights including all leads and lifts for internal and external works

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should conform to Bureau of Indian standards

Executive Engineer  
Shimla Division NO.11  
HP.PWD.Shimla-171003

7



SCHEDULE OF QUANTITY



Estimated Cost Rs. :- 400110.00

Earnest Money Rs. :- 8010.00

Time:- One Month,


Name of work: - A/R and M/O Ellerslie and Armsdale Building at HP Secretariat Shimla. (SH:-Re-aligning of water supply pipe line from Chowk near Governor Rest House 0/0 to 0/396

Sr. No.	Description of items.	Quantity		Rate		Unit	Amount
1	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within all lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore	96.00	Rmt.			Per Running metre.	
2	Cutting in earth work in all heights / depths and in all kinds of soil such as kankar, moorum, shingle and decomposed or soft rock and hard rock including their intermediate classification and chiselling / wedging out rock where blasting is prohibited including saturated soil and filling in embankment etc., where necessary and disposal of all excavated un serviceable materials in all leads and lifts including through mechanical transportation, the disposal of unserviceable materials will be done in acquired width of the road or on approved dumping site.	135.00	Cum			Per cubic metre	
3	Disposal of excavated earth/ dismantling materials by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	135.00	Cum			Per Cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	27.00	Cum.			Per cubic metre.	
5	Providing and fixing holding hooks for G.I. pipes alignment 35cm long and 20cm in round with 12mm dia bar complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	100.00	No.			Each	
6	Providing and fixing G.I. pipes complete with G.I. Fittings including trenching and refilling etc including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.(i) 32 mm dia nominal bore	54.00	Rmt.			Per Running metre.	
	(ii) 40 mm dia nominal bore	42.00	Rmt.			Per Running metre.	
7	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. Complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.(i) 32 mm dia nominal bore	18.00	No.			Each	
	(ii) 40 mm dia nominal bore	18.00	No.			Each	
8	Providing and fixing G.I. Elbow in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge (i) 32 mm dia nominal bore	1.00	No.			Each	
	(ii) 40 mm dia nominal bore	1.00	No.			Each	

9	Providing and fixing 32 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge (i) 32 mm dia nominal bore	1.00	No			Each
(ii)	40 mm dia nominal bore	1.00	No.			Each
Conditions:-						Total

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards

  
Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

24

Estimated Cost Rs. :- 490821.00

Earnest Money Rs. :- 9820.00

Time:- One Month.

Name of work: -A/R & M/O various Non residential building at IGMC Shimla ( SH:- Supplying of Various Items for Maintenance of day to day for Block C, D, E, Flue OPD, Makeshift and ART Center.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and Supplying jet tube 15 mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
2	Providing and Supplying European seat cover of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
3	Providing and Supplying PVC Connection pipe hot water 15 mm Dia 450mm length of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	40.00	No.			Each	
4	Providing and Supplying PTMT Bib Tap 15 mm Nominal bore of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	30.00	No.			Each	
5	Providing and Supplying pvc waste pipe 40mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
6	Providing and Supplying brass Spindal 15 mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	40.00	No.			Each	
7	Providing and Supplying PTMT Angle cock 15 mm Nominal bore of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
8	Providing and Supplying Soot gola at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
9	Providing and Supplying CP Jet of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
10	Providing and Supplying Sink 22" X 16" ( Medium Duty) of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
11	Providing and Supplying Waste Coupling 40 mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	5.00	No.			Each	
12	Providing and Supplying GI Nipple 15mm X 50mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
13	Providing and Supplying GI Nipple 15mm X 150mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	

14	Providing and Supplying GI Nipple 15mm X 100mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
15	Providing and Supplying GI Elbow 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
16	Providing and Supplying GI Tee 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
17	Providing and Supplying GI Socket 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
18	Providing and Supplying GI Union 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
19	Providing and Supplying GI Union 40mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
20	Providing and Supplying GI Socket 40mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
21	Providing and Supplying GI Nipple 40mm X 75mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
22	Providing and Supplying warsher packet of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Pkt.			Each	
23	Providing and Supplying PTMT Ball cock for water tank Prayag make 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
24	Providing and Supplying Brass Ball cock for water tank 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
25	Providing and Supplying PVC Cistern handle complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
26	Providing and Supplying Syphon warsher complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
27	Providing and Supplying PVC warsher complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
28	Providing and Supplying Rowl 6mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Pkt.			Each	
29	Providing and Supplying wood screw 40mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Pkt.			Each	



30	Providing and Supplying Hexa blade complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
31	Providing and Supplying PVC Plug 15mm, 20mm, 25mm, 40mm etc complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	40.00	No.			Each	
32	Providing and Supplying White cement complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	Kg.			Per Kg	
33	Providing and Supplying Nails 25mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
34	Providing and Supplying Nails 50mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
35	Providing and Supplying Nails 40mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
36	Providing and Supplying Nails 75mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
37	Providing and Supplying Nails 100mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
38	Providing and Supplying Nails 125mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Kg.			Per Kg	
39	Providing and Supplying Aluminium sliding door bolt 200mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
40	Providing and Supplying Aluminium tower bolt 150mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
41	Providing and Supplying Stainledss steel haps and staple 100mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
42	Providing and Supplying pvc waste pipe 32mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
43	Providing and Supplying Wall hanger 6 hooks of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
44	Providing and Supplying Plano hinges 1/2"X 3/4" of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	35.00	No.			Each	
45	Providing and Supplying cistern approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	5.00	No.			Each	
46	Providing and Supplying SR 998 50 grms of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	5.00	No.			Each	
47	Providing and Supplying Curtain rod 20mm dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	

48	Providing and Supplying Curtain rod 25mm dia powder coated of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
49	Providing and Supplying Curtain rod wall to wall bracket of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
50	Providing and Supplying Curtain rod bracket of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
51	Providing and Supplying Hydraulic door closer of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	5.00	No.			Each	
52	Providing and Supplying drill bit masonry 6mm of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
53	Providing and Supplying drill bit masonry 8mm of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
54	Providing and Supplying drill bit RCC 8mm of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
55	Providing and Supplying drill bit 4 soot of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
56	Providing and Supplying wood screw 25mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Pkt.			Each	
57	Providing and Supplying wood screw 50mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Pkt.			Each	
58	Providing and Supplying screw full thread 20mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	400.00	Nos			Pkt	
59	Providing and Supplying screw full thread 40mm complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	400.00	Nos			Pkt	
60	Providing and Supplying Water storage tank cover of PGI Sheet complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	Nos			Pkt	
61	Providing and Supplying Glass panes 4mm thick of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	320.00	Sft			Per Sft.	
62	Providing and Supplying Gate valve (Heavy Duty) of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	No.			Each	



63	Providing and Supplying Float Valve for low level cistern 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
64	Providing and Supplying PVC Elbow 40mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
65	Providing and Supplying Anglo Indian seat cover of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	No.			Each	
66	Providing and Supplying MS Tower bolt 150mm of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
67	Providing and Supplying MS Tower bolt 100mm of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
68	Providing and Supplying CP Spindal 15 mm Dia of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	20.00	No.			Each	
69	Providing and Supplying GI Pipes (Medium Duty) 25mm nominal bore of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
70	Providing and Supplying GI Nipple 25mm X 150mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
71	Providing and Supplying GI Nipple 25mm X 75mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
72	Providing and Supplying GI Nipple 25mm X 50mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
73	Providing and Supplying GI Tee 25mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
74	Providing and Supplying GI Elbow 25mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	25.00	No.			Each	
75	Providing and Supplying Full Way Wheel Valve (Heavy Duty) 25 mm nominal bore of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	No.			Each	
76	Providing and Supplying Full Way Wheel Valve (Heavy Duty) 15 mm nominal bore of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	No.			Each	
77	Providing and Supplying GI Union 25mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
78	Providing and Supplying GI Elbow 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
79	Providing and Supplying GI Nipple 15mm X 75mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	

80	Providing and Supplying GI Nipple 15mm X 50mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
81	Providing and Supplying GI Union 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
82	Providing and Supplying GI Socket 25mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
83	Providing and Supplying GI Tee 25mm X 15mm nominal bore complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	15.00	No.			Each	
84	Providing and Supplying laminated board 4'X8' 15mm thick complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	320.00	sft			Per Sft	
85	Providing and Supplying Commercial board 4'X8' 19mm thick complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	320.00	sft			Per Sft	
86	Providing and Supplying iron cutter blade 100mm dia complete of approved brand at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	2.00	No.			Each	
87	Providing and Supplying Nails 25mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
88	Providing and Supplying Nails 50mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
89	Providing and Supplying Nails 40mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
90	Providing and Supplying Nails 75mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
91	Providing and Supplying Nails 100mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
92	Providing and Supplying Nails 125mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
93	Providing and Supplying Nails 65mm at store of Sub Division No.II at IGMC section including carriage of materials within all leads and lifts.	10.00	Kg.			Per Kg	
<b>Conditions:-</b>							
						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla



SCHEDULE OF QUANTITY

(5)

Estimated cost:- 77263.00  
Earnest Money:- 1550.00  
Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Repair of cupboard and other miscellenous repair in set no.1&2 at old Richmond Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply inclding carriage of materials within all leads and lifts.	20.50 Sqm.			Per Square metre	
2	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts	14.70 Sqm.			Per square metre.	
3	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	14.70 Sqm.			Per square metre.	
4	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	15.00 Sqm.			Per square metre.	
5	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	40.00 Rmt.			Per square metre.	
6	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials within all leads and lifts. 100 mm size.	20.00 No.			Per square metre.	
7	Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.	20.00 No			Per square metre.	
8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	49.98 Sqm			Per square metre.	
9	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	49.98 Sqm			Per square metre	
					Total	

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003  
*Jen*

SCHEDULE OF QUANTITY

Estimated cost:- 450250.00  
Earnest Money:- 9050.00  
Time :- One Year

Name of work :- Stock storage of Shimla Division No. III HP PWD Shimla for the year 2022-23 (SH:-Loading and unloading of cement, CGI/PGI sheets, Tor Steel, Bitumen, Road bound Pot Seal and other misc. items)

Sl. No.	Items of work	Quantity		Rate		Unit	Amount
				In figures	In words		
1	Loading of following materials in trucks and tippers from PWD Store Nabha and other local places at Shimla with in all leads and lifts and properly stacked at specified site:-						
	i) Cement (50Kg bag)	30000.00	Bags			Per bag	
	ii) Tor Steel	100.00	M.T.			Per metric tone	
	iii) Road bond Pot seal (25kg beg)	500.00	Bags			Per bag	
2	Un-loading of following materials from trucks and tippers at PWD Store Nabha including stacking properly at site within all leads and lifts.						
	i) Cement (50Kg bag)	30000.00	Bags			Per bag	
	ii) Tor Steel.	100.00	M.T.			Per metric tone	
	v) Road bond Pot seal (25kg beg)	500.00	Bags			Per bag	
CONDITION:-							Total:-

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO. III  
HP.PWD.Shimla-17403



**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

257727.00  
4200.00  
One Month

Name of work:- A/R & M/O Various residential buildings under Shimla Division No. III (SH)-Repair of roof in block No. 20 of set No. 1 & 2 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc and stacking the material within 50 metres lead of G.S. Sheet including carriage of materials within all leads and lifts. G.S. Sheet/prepainted sheet.	72.06 Sqm			Per square meter.	
2	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	439.88 Kg.			Per Kilogramme	
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	256.52 Kg.			Per Kilogramme	
4	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> as per the direction of Engineer in Charge including carriage of materials within all leads and lifts.	72.06 Sqm			Per square meter	
5	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete 1.60 mm thick with zinc coating not less than 350 gm/m <sup>2</sup> including carriage of materials in all leads and lifts.	12.55 Rmt.			Per running metre	
6	Providing flushing 38cm overall in plain G.I. sheet fixed with galvanised iron J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) 0.63mm thick sheet including carriage of material within all leads and lifts.	8.50 Rmt			Per running meter	
7	Providing and fixing PGI Sheet 0.63mm thick in ceiling/lining of approved quality with butt jointing and nails/ screws etc. complete (frame work and fillets to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	1.20 Sqm			Per square meter	
8	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup> including carriage of materials within all leads and lifts.	1.20 Rmt			Per running meter	
9	Applying a coat of mordant solution on G.S. sheet With a solution of 38 gms of copper acetate in a litre of soft water including carriage of materials within all leads and lifts.	125.07 Sqm			Per square meter	
10	Painting on G.S. sheet with paint of approved brand and manufacture of required colour to give an even shade old work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution including carriage of materials within all leads and lifts as per direction of the Engineer - in charge.	125.07 Sqm			Per square meter	
<b>CONDITION:-</b>						<b>Total:-</b>

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

a) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.

ii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should conform to Bureau of Indian standards.

Executive Engineer  
Shimla Division NQ-17  
HP.PWD.Shimla-171403

**SCHEDULE OF QUANTITY**

2

Estimated cost:-	493457.00
Earnest Money:-	9870.00
Time :-	One Month.

Name of work:- S/R to various residential buildings under division no III shimla (SH:- Repair of kitchen, Repair of toilet and other miscellaneous repair work in Castle Groove building at Boileauganj Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	54.17 Sqm			Per square metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	3.37 Cum			Per cubic metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead of area 3 sq. metres and below complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	1.00 No.			Each	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	0.21 Sqm			Per square metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering:- All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	3.37 Cum.			Per cubic metre.	
5	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials within all leads and lifts.	64.34 Sqm			Per square metre	
6	Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete .	26.94 Sqm.			Per Square metre	
7	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Size of Tile 600x600 mm.	80.69 Sqm.			Per Square metre	



8	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels:- Granite of approved colour and shade Area of slab over 0.50sqm complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge. Granite.	5.58 Sqm			Per square metre.
8	Providing and laying extra for pre finished nosing to treads of steps of marble stone including carriage of materials within all leads and lifts.	9.44 Rmt.			Per running metre.
9	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:4 (1 cement :4 coarse sand)	2.45 Sqm			Per square metre.
10	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	4.29 Sqm.			Per square metre
11	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	2.83 Sqm.			Per square metre.
12	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts	34.20 Sqm.			Per square metre.
13	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality:- 1.5 mm thick complete including carriage of materials within all leads and lifts.	34.05 Sqm.			Per square metre.
14	Providing and fixing 100mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	15.00 No.			Each
15	Providing and fixing 2nd class hard wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.	15.00 Rmt.			Per Running Metre.
16	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).	9.00 No			Each
17	Providing and fixing powder coated telescopic drawer channels 450 mm long with necessary screws etc. complete as per directions of Engineer- In-charge	7.00 Set			Per Set
18	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.	22.38 Sqm.			Per square metre.
19	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	22.38 Sqm			Per square metre
20	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.	55.48 Sqm			Per square metre

21	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1(1 cement : 1 sand) (Seat and over to be measured and paid for separately) including carriage of materials within all leads and lifts:- Hindware Cat No. 20011.	1.00 No.			Each	
22	Supplying/ providing of white solid plastic seat with Lid of approved brand at store of vidhan Sabha section including carriage of materials within all leads and lifts.	1.00 No.			Each	
23	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including carriage of materials within all leads and lifts.10 litre capacity - White.	1.00 No.			Each	
24	Providing and fixing Glass / Acrylic shelf (46cm X 13 cm ) with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts. AC-307	4.00 No.			Each	
25	Supplying/ providing of 32mm dia CP waste pipe of approved brand at store of vidhan Sabha section including carriage of materials within all leads and lifts.	5.00 No.			Each	
26	Providing and fixing 15mm ( fifteen millimetre) nominal bore Ess-Ess. angle cock of ESS ESS catalogue No. C-204 or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.	24.00 No			Each	
27	Providing and fixing wall mixture with swivel spout including connection fitting complete in all respect of make Ess-Ess Cat No. C-219 complete including carriage of materials within all leads and lifts.	4.00 No			Each	
28	Providing and fixing bath shower including carriage of materials within all leads and lifts:- ESS-ESS cat No. RF-205.	3.00 No.			Each	
29	Providing and fixing 610mm X 20mm size Ess-Ess Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts:-ESS ESS catalogue No. AC-301.	3.00 No.			Each	
30	Providing and fixing 30/45cm length uplasticised PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.	18.00 No			Each	
31	Providing and fixing Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-103.	8.00 No.			Each	
32	Providing and fixing towel ring of ESS ESS catalogue No. AC-102 or equivalent complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
33	Providing and fixing central hole wash basin mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-ESS ESS catalogue No. C-211A.	4.00 No			Each	




34	Providing and fixing 15mm dia C.P. brass pillar tap with capstan head including carriage of materials within all leads and lifts:-ESS-ESS Cat No. C-201.	1.00 No		Each
35	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	9.00 No		Each
36	Providing and fixing PVC (Finolex) floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i) 110mm X 90mm size.	6.00 No		Each
36.01	110mmx75mm	2.00 No		Each
37	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	3.00 No.		Each
38	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass (of approved quality) complete with	3.00 No.		Each
39	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, 1/c cutting Chasing and making good the walls etc. 15mm nominal bore. Internal work.	53.30 Rmt.		Per running metre.
40	Providing and fixing G.I. Union in G.I pipe including cutting and threading the pipe and making long screws etc. complete (new work) including carriage of materials within all leads and lifts	5.00 No.		Each
41	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610mm x 460mm bowl depth 200mm.	1.00 No.		Each
42	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts as per direction of Engineer-in- charge:- 50mm nominal bore.	1.00 No.		Each
43	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	9.35 Rmt		Per Running metre.
43.01	75mm dia.	13.35 Rmt		Per Running metre.
44	Providing and fixing PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	13.00 No.		Each
44.01	75mm nominal size.	24.00 No.		Each
45	Providing and fixing PVC offset 45degree ISI marked including fixing with approved adhesive etc. 110mm dia complete including carriage of materials within all leads and lifts.	8.00 No.		Each
46	Providing and fixing PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	10.00 No.		Each
46.01	75mm nominal size.	7.00 No.		Each
47	Providing and fixing PVC (Finolex) single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 75mm nominal size.	2.00 No		Each

Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-In-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	4.72 Cum			Per cubic metre	
Condition:-					

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

375895.00  
7550.00  
One Month

Name of work:-Special repair to DDU hospital building at Shimla (SH:-Repair of Eye ward, special ward & main block-D of old building etc) at DDU hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing ACP sheet 4mm thick panel in ceiling/lining/partitions on aluminium work etc complete as per Architect drawings and by the Engineer-in-Charge including carriage of materials within all leads and lifts. (Cost of aluminium snap beading shall be paid in basic item).	64.87 Sqm			Per square meter.	
2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	358.11 Sqm			Per square meter	
3	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	17.40 Sqm			Per square meter	
4	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. including carriage of materials within all leads and lifts.	580.64 Sqm			Per square meter	
5	Providing and applying white cement based putty of average thickness 1 mm. of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	580.64 Sqm			Per square meter	
6	Providing and fixing 20 cm wide, 70 cm overall semicircular prepainted G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.- 0.63 mm thick with zinc coating not less than 275 gm/m² as per the direction of Engineer in Charges. Including carriage of materials within all leads and lifts.	62.60 Rmt			Per running meter	
7	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m² including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	9.60 Sqm			Per square meter	
8	Refixing of P.G.I sheet roofing fixed with galvanised iron J or L hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafters and trusses including carriage of materials within all leads and lifts 0.63 mm thick sheet (Rate should be quoted without the cost of CGI sheet as the same will be supplied by the Deptt. at site of work).	36.72 Sqm.			Per square metre.	
9	Dismantling roofing including ridges, hips, valleys and gutters etc and stacking the materials within 50 metres lead of G.S. Sheet including carriage of materials within all leads and lifts. G.S. Sheet/prepainted sheet.	62.60 Sqm			Per square meter.	
10	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :-300x16 mm including carriage of materials within all leads and lifts.	2.00 No.			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	22.00 No.			Each	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :-200x10 mm including carriage of materials within all leads and lifts.	20.00 No.			Each	
13	Providing and laying vitrified floor tiles 600x600mm in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	3.60 Sqm			Per square meter	
14	Providing and fixing high pressure type-"A" PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts- 150 mm dia.	30.00 Rmt.			Per running metre.	
15	Providing & fixing PVC (Finolex) Coller 150mm of specified quality including carriage of materials in all leads and lifts.	6.00 No.			Each	

16	Providing and fixing PVC (Finolex) plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150 mm dia.	12.00 No.			Each	
17	Providing and fixing PVC Finolex door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 150mm nominal size.	0.00 No.			Each	
18	Providing and fixing PGI Sheet bambi for collection of water from roofing including carriage of materials within all leads and lifts.	6.00 No.			Each	
CONDITION:-					Total:-	

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work, and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
Executive Engineer  
Shimla Division NO. 11  
HP.PWD.Shimla-171093

**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 498194.00

Earnest Money Rs. :- 9970.00

Time:- One Month.

**Name of work:- Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH:- Construction of women's and handicapped person toilet on 3rd floor.)**

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50metres lead as per direction of Engineer - in- charge.	4.45 Cum		Per Cubic Metre	
2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level:- Cement mortar 1:4 (1 cement :4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	23.63 Sqm		Per square metre	
3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc:- 20 mm nominal outer dia Pipes.	30.00 Rmt.		Per square metre	
4	Providing and fixing 20 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	2.00 No		Each	
5	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc, complete (New work):- (i) 20mm nominal bore.	1.00 No.		Each	
6	Providing and fixing 15mm dia C.P. brass bib cock with capstan head including carriage of materials within all leads and lifts:- Ess Ess T-103	2.00 No.		Each	
7	Providing and fixing C.P. brass angle cock 15mm nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112.	9.00 No.		Each	
8	Providing and fixing 550mm X 400mm Flat back vitreous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting complete:- Hindware cat No. 10103 complete set with pedestal Cat No. 11032 (star white) including carriage of materials within all leads and lifts.	1.00 No		Each	
9	Providing and fixing bevelled edge mirror of size 600mm X 450mm of superior glass mounted on 6mm thick AC Sheet or ply wood sheet and fixed to wooden plugs with CP brass screws and washers etc. at site as directed by the Engineer-in-Charge complete including carriage of materials within all leads and lifts.	1.00 Nos		Each	
10	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid complete including carriage of materials within all leads and lifts.	1.00 No.		Each	
11	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	1.00 No.		Each	
12	Providing and fixing PVC Finolex floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i) 110mm X 90mm size.	4.00 No.		Each	
13	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia including carriage of materials within all leads and lifts.	20.00 Rmt		Per Running metre.	



14	Providing and fixing PVC (Finolex) door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110 mm nominal size.	1.00 No.			Each	
15	Providing and fixing PVC (finolex) Plain bends of required degree (any radius) including fixing with approved adhesive etc. complete, including carriage of materials within all leads and lifts. (i) 110 mm nominal size.	4.00 No.			Each	
16	Providing and fixing PVC (finolex) collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.	8.00 No.			Each	
17	Providing and fixing PVC (finolex) Tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.	4.00 No.			Each	
18	15mm cement plaster on the fair side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	10.02 Sqm.			Per square metre	
19	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	20.04 Sqm			Per square metre.	
20	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size)	3.45 Cum.			Per cubic metre.	
21	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	1.08 Cum			Per cubic metre.	
22	Centering and shuttering including strutting, propping etc. and removal of form for :- Suspended floors, roofs, landings, balconies and access platform and Shelves (Cast in situ) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	9.86 Sqm.			Per square metre.	
23	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required : In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	218.80 Kg			Per Kilogramme	
24	Providing and fixing 10mm thick digital vitrified wall tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile.	9.86 Sqm			Per square metre.	
25	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification complete including carriage of materials within all leads and lifts:-Two or more coats on new work.	31.14 Sqm.			Per Square metre	
26	Providing and fixing anodised aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, straight, mitred and jointed mechanically where ever required including cleats angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws as per Architectural drawings and as per HP. PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge:- (i) For doors windows and ventilators and glazed partitions frames etc.	419.50 Kgs			Per Kilogramme.	
27	Providing and fixing 125mm size. chromium plated brass handles with necessary screws etc. complete including carriage of materials within all leads and lifts.	8.00 No.			Each.	

28	Providing and fixing 200mm x 10mm size aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. including carriage of materials within all leads and lifts.	8.00 No		Each	
29	Providing and fixing 250mm x16mm size anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.		Each	
30	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. 35 mm thick shutters	0.25 4500		Per Square metre	
31	Providing and fixing 15mm nominal bore 30cms length yking make PVC connection pipe with brass union and washers etc. complete including carriage of materials within all leads and lifts.	5.00 No.		Each	
32	Providing and fixing 100mm dia yking chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	3.00 No.		Each	
33	Providing and fixing 32mm nominal bore C.P.waste coupling of approved quality and colour including carriage of materials within all leads and lifts.Ess Ess Cat No.C-230	2.00 No.		Each	
34	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete including carriage of materials within all leads and lifts :- Flexible pipe 32mm dia.	2.00 No.		Each	
35	Providing and fixing C.P. brass toilet paper holder complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	1.00 No.		Each	
36	Providing and fixing bright finished brass hard drawn hooks and eyes 100mm size including carriage of materials within all leads and lifts.	5.00 No.		Each	
37	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms complete including carriage of materials within all leads and lifts.	1.00 No.		Each	
38	Providing and fixing soap dispenser with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts :-Vking 300ml.	1.00 No		Each	
39	Providing and fixing CP brass battery based infrared sensor operated pillar cock having foam flow technology complete including carriage of materials within all leads and lifts:- Cat No. SNR-CHR-15019PM.	1.00 No.		Each	
40	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and	3.60 Sqm		Per square metre	
41	Providing and fixing Gogreg make aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including carriage of materials in all leads and lifts	1.00 No.		Each	
42	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	2.00 No.		Each	
43	Providing and fixing standless steel kitchen sink of size 610mm x460mm with bowl depth 200mm size with C. I. or M. S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	1.00 No		Each	

44	Providing and fixing mixture for kitchen sink with casted swinging spout at top including carriage of materials within all leads and lifts:- Ess Ess trend Cat No. T-127.	1.00 No.			Each	
45	Providing and fixing 18mm thick granite of any colour gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels	1.00 Sqm.			Per running metre	
46	Extra for making moulded nosing in granite stone including returned moulded ends and angles to mouldings complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	0.20 Rmt.			Per running metre	
47	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately) complete including carriage of materials within all leads and lifts:-second Class deodar wood.	0.20 Cum			Per cubic metre	
48	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).12mm thick commercial ply conforming to IS: 1328 BWR type complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	9.86 Sqm			Per square metre	
<b>Conditions:-</b>					<b>Total</b>	

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



SCHEDULE OF QUANTITY

(11)

Estimated cost:-  
Earnest Money:-  
Time :-

386170.00  
7750.00  
One Month

Name of work:-Special repair to Sarvodya Leper Colony Downdale Phagli Shimla (SH:-Covering of boundary with CGI sheet).

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing corrugated G.S. sheet roofing/boundary wall including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> as per the direction of Engineer in Charges including carriage of materials within all leads and lifts.	335.80 Sqm			Per square meter	
CONDITION:-					Total:-	

1) Rates should be quoted for all heights including all leads and lifts for internal and external works

  
Executive Engineer  
Shimla Division NO. III  
HP.PWD.Shimla-171903

**SCHEDULE OF QUANTITY**

(12)

Estimated Cost Rs. :- 239799.00

Earnest Money Rs. :- 4800.00

Time:- One Month.

**Name of work: - Special repair to Kamla Nehru Hospital Shimla. (SH:- Providing and Fixing 19mm board work for almirah in dispensary OPD block.)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1.00	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete). including carriage of materials within all leads and lifts.	87.61	Sqm.			Per square metre.	
2.00	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete. including carriage of materials within all leads and lifts.	6.48	Sqm.			Per square metre.	
3.00	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	96.24	Sqm.			Per square metre.	
4.00	Providing and fixing bright finished brass handles with screws etc. complete:100mm including carriage of materials within all leads and lifts.	108.00	No			Each	
5.00	Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.	90.90	Rmtr			Per running metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
Shimla Division No.III  
HP. PWD. Shimla-3.

SCHEDULE OF QUANTITY

13

Estimated Cost Rs. :- 346461.00  
 Earnest Money Rs. :- 6930.00  
 Time :- One Month.

Name of work: - Special Repair to Armsdale Main Building at HP Secretariat Shimla-2. (SH:- Providing and fixing PVC down pipe for gutter with fittings in front side of Armsdale building.)

Sr. No.	Description of items.	Quantity		Rate	Unit	Amount
1	Providing and fixing on wall face PVC Finolex type "B" 150mm dia pipes including filling the joints with approved adhesive etc complete including carriage of materials within all leads and lifts.	322.50	Rmt		Per running metre	
2	Providing and fixing 150mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	45.00	No		Each	
3	Providing and fixing 150mm nominal size PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	15.00	No.		Each	
4	Providing and fixing 150mm nominal size M.S. flat clamp including fixing with screws and rawl plug etc. complete including carriage of materials within all leads and lifts.	90.00	No.		Each	
5	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarried on undecorated wall surfaces (one coat) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	96.75	Sqm		Per square metre	
Conditions:-						
						Total

- i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.  
 ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
 Shimla Division No.III  
 HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

(14)

Estimated Cost Rs. :- 410028.00

Earnest Money Rs. :- 8340.00

Time:- One Month.

**Name of work: - A/R& M/O to MBBS/BDS Girls Hostel Blossington Estate Lakkar Bazar Shimla (SH:- Diamantling work , Tile Work and Kota Stone Flooring Etc.)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	25.42	Sqm			Per square metre	
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.(i) In cement mortar	8.52	Cum			Per Cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	8.54	cum			Per cubic metre	
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level;- Cement mortar 1:4 (1 cement :4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	8.54	Sqm			Per Square metre	
5	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	17.09	Sqm.			Per Square Metre	
6	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mm	37.35	Sqm			Per Square Metre	
7	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-In-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.(i) Size of Tile 600x450 mm	17.82	Sqm			Per Square Metre	
8	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts in second class deodar wood.	0.810	Cum			Per Cubic Metre	
9	Providing and fixing plain G.I. sheet lining/ Ceiling with butt jointing and wood screws/ nails etc complete. (frame work and cover fillets to be measured and paid for separately.(i) 0.63 MM Thick	36.77	Sqm			Per Square Metre	

10	Kota stone slab skirting over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 3 (1 cement : 3 coarse sand) : 20 mm thick	20.30	Sqm			per square meter	
11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, l/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : (i) 15 mm dia nominal bore	29.85	Rmt.			Per Running Metre	
12	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	6.00	No.			Each	
13	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads and lifts (i) 90 mm	7.80	Rmt			Per Running Metre	
14	Providing and fixing PVC Finolex Collar including fixing with approved adhesive etc. complete. (i) 90 mm	6.00	No.			Each	
15	Providing and fixing PVC Finolex plain bend including fixing with approved adhesive etc. complete. (i) 90 mm	11.00	No.			Each	
16	Providing and fixing PVC finolex single equal branch door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-90mm dia.	4.00	No			Each	
17	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 610x510 mm bowl depth 200mm.	4.00	No			Each	
18	Providing and fixing wash basin with single hole C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: (i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	1.00	No.			Each	
19	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	1.00	No.			Each	
20	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. (i) 10 litre capacity - White	1.00	No.			Each	
21	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	6.00	No.			Each	
22	Providing and fixing uplasticised PVC connection pipe with brass unions : (a) 45 cm length (i) 15 mm nominal bore	4.00	No.			Each	
23	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (i) 15 mm nominal bore	4.00	No.			Each	
24	Providing and fixing CP. brass stop cock of approved quality : (i) 15 mm nominal bore	4.00	No.			Each	
25	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	No.			Each	

26	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	Nos.			Each	
27	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	6.00	No.			Each	
28	Providing and Fixing Full Way Wheel Valve (Heavy Duty) 15 mm nominal bore of approved brand including carriage of materials within all leads and lifts.	12.00	No			Each	
29	Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18mm X5mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge	119.21	RmL			Per Running Metre	
30	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	2000.00	Ltrs.			Per Litre	
31	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i)With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	36.77	Sqm.			Per Square Metre	
32	Painting two coats (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. (a) Enamel paint other than white	74.36	Sqm			Per Square Metre	
33	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.(i) Two coats	88.71	Sqm.			Per Square Metre	
34	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.(i) Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	5.46	Sqm			Per Square Metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla**



**SCHEDULE OF QUANTITY**

15

Estimated Cost Rs. :- 161862.00

Earnest Money Rs. :- 3240.00

Time:- One Month.

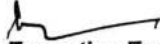
**Name of work: - A/R & M/O to Various Blocks, under IGMC. Shimla (SH:- Providing and Fixing Panelled Glazed Shutters at various floors of Block-D at IGMC. Shimla)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking including carriage of materials in all leads and lifts:- Area 3.00 Sqm. and Below	35.00	No.			Each	
2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood (a) 35mm thick shutters	28.80	Sqm.			Per Square Metre	
3	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters	3.60	Sqm.			Per Square Metre	
4	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	45.00	No.			Each	
5	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(i) 150x10mm	90.00	No.			Each	
6	Providing and fixing bright finished MS.hard drawn hooks and eyes with necessary screws etc. complete :(i) 150x10mm:	45.00	No.			Each	
7	Applying priming coat:With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.	32.40	Sqm.			Per square metre	

8	Painting two coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering and stoping including carriage of materials within all leads and lifts in With white enemal paint.	32.40	Sqm.				Per square metre	
<b>Conditions:-</b>							<b>Total</b>	

*Rates should be quoted for all heights including all leads and lifts for internal and external works.*

- i
- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3.**

SCHEDULE OF QUANTITY

16

Estimated Cost Rs. :- 145906.00

Earnest Money Rs. :- 2920.00

Time:- One Month.

Name of work: -A/R & M/O to Kamla Nehru Hospital Shimla (SH:- Painting and Distemping in special wards and Stair cases of OPD Block Building)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coat on old work	1102.27	Sqm			Per Square Metre	
2	Painting with synthetic enamel paint on wood and Wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	916.05	Sqm			Per square meter	
3	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	440.89	Sqm.			Per Square Metre	
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	440.89	Sqm			Per Square Metre	
	Conditions:-						
						Total	

i Rates should be quoted for all heights including all leads and lifts for internal and external works

ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla



**SCHEDULE OF QUANTITY**

(17)

Estimated Cost Rs. :- 448574.00

Earnest Money Rs. :- 8980.00

Time:- One Month.

**Name of work: - Special repair to Nursing Girls Hostel at IGMC Shimla (SH:- Renovation of Toilet ( Block-B) Dismantling work, Cement concrete , wood work. Floor tile , painting and Distempering & Sanitary work in Fifth floor Right Side)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	4.52	Cum.			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	92.52	Sqm			Per square meter	
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	31.90	Sqm			Per Square Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:-1:5:10 (1 cement : 5 coarse sand); 10graded stone aggregate 40mm nominal size)	3.04	Cum.			Per Cubic Metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.41	Cum.			Per Cubic Metre	
6	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :(i) cement mortar 1:4 (1 cement : 4 coarse sand)	2.10	Sqm			Per square meter	
7	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:(i) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.50	Sqm			Per square meter	
8	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	7.00	No			Each	
9	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 200x10mm	14.00	No			Each	
10	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	7.00	No			Each	

11	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (i) Size of tile 600x600xmm	30.16	Sqm			Per Square Metre	
12	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mmx8mm	81.71	Sqm			Per square meter	
13	6 mm cement plaster to ceiling of mix :(i)1:3 (1 cement : 3 fine sand) including carriage of materials within all leads and lifts.	31.90	Sqm			Per square meter	
14	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	92.52	Sqm.			Per Square Metre	
15	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	32.45	Sqm			Per Square Metre	
16	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts.- Two or more coats on new wood work.	32.19	Sqm.			Per Square Metre	
17	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work (One or more coat applied @ 0.90 ltr/10 sqm).	68.78	Sqm			Per Square Metre	
18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	68.78	Sqm			Per Square Metre	
19	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	5.91	Cum.			Per Cubic Metre	


20	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. (i) The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	48.12	Sqm.				Per square meter	
21	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : (i) W.C. pan with ISI marked white solid plastic seat and lid	5.00	Nos				Each	
22	Providing and fixing wash basin with single hole C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: (i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	6.00	No.				Each	
23	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. including carriage of materials within all leads and lifts.	6.00	No.				Each	
24	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	6.00	Nos				Each	
25	Providing and fixing C.P. grating of approved quality and colour. (i) round (i) 100 mm Nominal Dia	12.00	Nos				Each	
26	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	6.00	Nos				Each	
27	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (i) 15 mm Nominal bore	7.00	Nos				Each	
28	Providing and fixing CP. brass stop cock of approved quality : (i) 15 mm nominal bore	18.00	No.				Each	
29	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15 mm Nominal bore	6.00	Nos				Each	
30	Providing and fixing 8 mm Dia charomium plated Jet with Flexible tube i.00 Metre long with SS Traingular Plate to European Type WC Pan including carriage of materials within all leads and lifts.	4.00	Nos				Each	
31	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	6.00	No				Each	
32	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. (i) 15 mm nominal bore with 30 cm length	12.00	Nos.				Each	



33	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : (i) 15 mm dia nominal bore	23.85	Rmt.			Per running Metre	
34	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	10.00	Nos			Each	
35	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)(i) 20 mm nominal bore.	3.00	No.			Each	
36	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.(a) 150 mm diameter	10.30	Rmt.			Per running Metre	
37	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.(a) 110 mm diameter	29.40	Rmt.			Per running Metre	
38	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Collar	4.00	Nos			Each	
39	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Collar	12.00	Nos			Each	
40	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Door bend	3.00	Nos			Each	
41	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Door bend	4.00				Each	
42	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Plain bend	2.00	Nos			Each	
43	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Plain bend	10.00				Each	
44	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Single Equal Branch without door	7.00	Nos			Each	

45	Providing and fixing 600mm X 20mm size C.P. brass towel rail (heavy duty ISI marked IS:8931 & 8934) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	4.00	No.			Each	
46	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	3.00	No.			Each	
47	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	6.00	Nos.			Each	
48	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm x 90mm	5.00	Nos			Each	
<b>Conditions:-</b>							
						<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3**

SCHEDULE OF QUANTITY

18

Estimated Cost Rs. :- 147368.00  
Earnest Money Rs. :- 2950.00  
Time:- One Month.

Name of work: - A/R and M/O Armsdale Building at HP Secretariat Shimla. (SH:-Providing and fixing Polycarbonate transparent sheet and glass panes etc. GAD workshop.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing polycarbonate transparent sheet 2.00mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carriage of material within all leads and lifts.	51.71 Sqm		Per Square metre	
2	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary:- Plain Glass 4mm thick including carriage of materials in all leads and lifts.	21.71 Sqm		Per square metre	
3	Providing and fixing to wall ceiling and floors galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floor complete including carriage of materials within all leads and lifts:- 25mm nominal bore.	42.00 Rmt		Per running metre	
Conditions:-				Total	

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY****19**

Estimated Cost Rs. :- 383130.00

Earnest Money Rs. :- 7670.00

Time:- One Month.

**Name of work: -Special Repair to Basket Ball Court of Bhava Hostel at Holly Oak Shimla(SH:- Providing and Laying sand stone flooring and C/o PCC. Drain in Basket Ball Court )**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	16.38 Sqm			Per square meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete within carriage of material in all leads and lifts.	2.08 Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	2.99 Cum			Per Cubic Metre	
4	Providing and laying red sand stone slab flooring on 12 mm average thick base of cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab i/c rubbing and granite polish finish complete with all accessories as required as per the direction of Engineer in-Charge. (i) 25 mm thick	219.11 Sqm			Per Square Metre	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:- In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	794.66 Kg			Per Kilogram me	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	20.80 Sqm			Per Square Metre	
<b>Conditions:-</b>					<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-9**

**SCHEDULE OF QUANTITY**

20

Estimated Cost Rs. :- 162112.00

Earnest Money Rs. :- 3250.00

Time:- One Month.

**Name of work: - Special Repair to Medical College at IGMC Shimla. (SH: - Providing and fixing wood work, Cupboard, replacement of sanitary fitting in Lab No. 507 of Biochemistry Department of Medical College at IGMC Shimla.)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolition above G.L. upto floor all level including disposal of unserviceable materials unreinforced cement concrete more than 15cm thickness including carriage of materials within all leads and lifts.	0.10 Cum			Per cubic metre	
2	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.04 Cum			Per Cubic metre	
3	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.89 Sqm.			Per square metre	
4	Providing and fixing 19mm thick commercial board in shelves/ box for cup board with butt joints and fixing with nails and screws etc complete) including carriage of materials within all leads and lifts	5.88 Sqm.			Per square metre.	
5	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	1.10 Sqm.			Per square metre.	
6	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	2.40 Sqm			Per square metre	
7	Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of L.G. make or equivalent plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	16.00 Sqm			Per square metre	
7	Providing and fixing 250mm X 16mm size aluminium sliding door bolts with screws and nuts etc complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
8	Providing and fixing aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts:- (i) 200mm X 10mm size.	1.00 No.			Each	
9	Providing and fixing 125mm size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each.	
10	Providing and fixing 75mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	

11	Providing and fixing 65mm X 35mm special quality chromium plated brass cup board lock with six leavers including necessary screws etc. complete (Indian make) including carriage of materials within all leads and lifts.	2.00	No			Each	
12	Providing and fixing 10mm thick anti skid water proof stain and impet resistant heavy duty ceramic tiles of size 600x600mmx10mm manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm thick cement mortar 1:3 (1 cement:3 sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete including carriage of material in all leads and lifts.	16.12	Sqm			Per square metre.	
13	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting including carriage of materials within all leads and lifts in Readymixed paint brushing with white lead for priming.	15.97	Sqm			Per square metre	
14	Painting two coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering and stoping including carriage of materials within all leads and lifts in With white enamel paint.	15.97	Sqm.			Per square metre	
15	Providing and fixing 550mm X 400mm Flat back vitreous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	2.00	No			Each	
16	Providing and fixing 32mm dia C.P. waste for wash basin or sink including carriage of materials within all leads and lifts.	2.00	No.			Each	
17	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	2.00	No			Each	
18	Providing and fixing 15mm dia CP brass pillar tap with capstan head including carriage of materials within all leads and lifts.	4.00	No.			Each	
19	Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.	2.00	No.			Each	
20	Providing and fixing sand cast / cast iron spun spigot and socket soil, waste and ventilating pipes (Lead caulked joints to be measured and paid for separately including carriage of materials in all leads and lifts:- (i) 75mm nominal size.	59.50	Rmt.			Per running metre	
21	Providing and fixing sand cast iron / cast iron spun fittings and accessories:- Bends of required degree (any radius) With oval access door insertion rubber washer 2mm thick, bolts and nuts including carriage of materials in all leads and lifts:- (i) Plain bend 75 mm nominal size.	12.00	No.			Each	
22	Single equal branch of required:- (ii) Plain 75mm nominal size.	3.00	No			Each	



23	Collar 75mm nominal size.	15.00	No			Each	
24	Providing and fixing lead caulked joints to sand cast iron cast (spun) iron pipes and fittings including testing of joints complete including carriage of materials within all leads and lifts:- (i) 75mm nominal size diameter.	14.00	No			Each	
<b>Conditions:-</b>						<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPIWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP PWD. Shimla-3

# SCHEDULE OF QUANTITY

21

Estimated Cost Rs. :- 499000.00  
Earnest Money Rs. :- 9980.00  
Time:- One Month.

Name of work: -Special repair to Phase-I Building at IGMC Shimla. (SH:- Providing and laying C.C. 1:2:4, Water proofing treatment Plaster in RCC Gutter in Valley side)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials in all leads and lifts.	1.20	cum			Per cubic metre	
2.00	preparing the surface to receive water proofing treatment by removal of previous water proofing treatment and making surface ready to receive water proofing treatment. Cleaning the surface with wire brushes to clean smooth & Dry surface, free of any loose particles/ reinforcement bars/ debris etc. Grooving and Cleaning all the existing Cracks and repairing them with ploymer modified mortar washing if required ( to be decided by site incharge) before applying water proofing Coat of Acrlc Polymer modified protective and decorative in water proof treatment with RCC Work etc. as per site requirement and Complete in all respect including all leads , lifts and Carriage of Material at site as directed by the Engineer In Charge	358.54	Sqm			Per Square metre	
3.00	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	358.54	Sqm.			Per Square Metre	
Conditions:-							
						Total	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

404940.00  
8100.00  
One Month

Name of work:-Special repair to Sarvodya Leper Colony Downdale Phagli Shimla (SH:-Covering of boundary with CGI sheet & frame work etc).

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	3202.83 Kg.			Per Kilogramme	
2	Providing corrugated G.S. sheet roofing/boundary wall including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> as per the direction of Engineer in Charges including carriage of materials within all leads and lifts.	44.66 Sqm			Per square meter	
3	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete 125x65x2.12 mm including carriage of materials within all leads and lifts.	6.00 No.			Each	
4	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete 250x16 mm including carriage of materials within all leads and lifts.	4.00 No.			Each	
CONDITION:-					Total:-	

q Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO.III,  
HP.PWD.Shimla-171003



**SCHEDULE OF QUANTITY****23**

Estimated Cost Rs. :- 498234.00

Earnest Money Rs. :- 9970.00

Time:- One Month.

**Name of work: -A/R & M/O to Non Residential Building under Shimla Division No.III (SH:- Providing and Fixing Ploycarbonate sheet and Steel work in roof of Block-A & B of Nirman Bhawan at Nigam Vihar Shimla)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Providing and fixing 3mm thick Polycarbonate sheet plain lining with necessary screws/nuts & bolts/ nails, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).	159.00	Sqm		Per Cubic Metre	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	379.50	Kg		Per Cubic Metre	
3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	79.50	Sqm.		Per square meter	
<b>Conditions:-</b>					<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP PWD. Shimla-**

# SCHEDULE OF QUANTITY

24

Estimated Cost Rs. :- 233570.00

Earnest Money Rs. :- 4680.00

Time:- One Month.

Name of work: - S/R to Kamla Nehru Hospital Shimla. ( SH:- P/F Aluminium work, Brick work, tile work & WS & SI work etc. in Pahamacy ( Dispensary) at KNH. Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : (i) Cement mortar 1:4 (1 cement : 4 coarse sand)	2.80	Cum.			Per Cubic Metre	
2	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	4.32	Sqm			Per Square Metre	
3	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	24.36	Sqm			Per Square Metre	
4	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For fixed portion (i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	147.89	Kg			Per Kilogramme	
5	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	73.08	Kg.			Per Kilogramme	
6	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	19.20	Sqm			Per Square Metre	
7	providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete (i) 200x10 mm	4.00	NO			Each	

8	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125mm	4.00	NO			Each	
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required (i) W.C. pan with ISI marked white solid plastic seat and lid	1.00	NO			Each	
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require (i) White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1.00	NO			Each	
11	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings	1.00	NO			Each	
12	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureka type W.C. of quality and make as approved by Engineer - in - charge.	1.00	NO			Each	
13	Providing and fixing PVC waste pipe for sink or washbasin including P.V.C. waste fittings complete (i) Semi rigid pipe (a) 32 mm dia	2.00	NO			Each	
14	Providing and fixing 100 mm sand cast iron/ steel grating for floor trap	3.00	NO			Each	
15	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. Brass screws and complete	1.00	NO			Each	
16	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 (i) 15 mm nominal bore	2.00	NO			Each	
17	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931(i) 15mm nominal bore	1.00	NO			Each	
18	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	4.00	NO			Each	
19	Providing and fixing .PVC. connection pipe with brass union including carriage of materials within all leads and lifts :-300/450mm length :-15mm nominal bore.	7.00	NO			Each	
20	Providing & fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) tube fitting and clamps including making good the wall, ceiling and floor 15mm nominal bore	13.00	Rmt.			Per Running Metre	
21	Providing and fixing G.I union 15mm including carriage of materials within all leads and lifts.	1.00	NO			Each	
22	Providing and fixing high pressure PVC (finolex) Type-A spigot and socket, waste and ventilating pipes ISI marked with collar and clamps including fixing with approved adhesive etc. complete. including carriage of materials within all leads and lifts :-110mm nominal size	8.00	Rmt.			Per Running Metre	
23	Providing and fixing PVC (finolex) 110 mm dia Plain bends ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	2.00	NO			Each	
24	Providing and fixing PVC (Finolex) 45 degree bend 110mm dia ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	1.00	NO			Each	
25	Providing and fixing 110mm X 75mm size PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads an lifts.	3.00	NO			Each	
26	Providing and fixing 110 mm dia PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc.complete including carriage of materials within all leads an lifts.	1.00	NO			Each	



27	Providing and fixing 110 mm dia PVC collars ISI marked including fixing with approved adhesive etc complete including carriage of materials within all leads an lifts.	1.00	NO			Each	
28	Providing and fixing stainless steel kitchen sink of approved standard ISI mark with drain board and C.P. waste with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings 470 x 420 mm with bowl depth 178mm including carriage of materials in all loads and lifts	1.00	NO			Each	
Conditions:-							
						Total	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

**SCHEDULE OF QUANTITY**

25

Estimated Cost Rs. :- 382394.00

Earnest Money Rs. :- 7650.00

Time:- One Month.

**Name of work: - A/R M/O to Old Dental Nursing Hostel 1st Floor at IGM. Shimla (SH:- Providing and Fixing accessories in bath and Toilets Kitic Pipe in external side, PGI. Sheet, Gully Trap PVC Pipe 100mm Dia out side of Toilet)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	7.43	Cum			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	110.04	Sqm			Per square meter	
3	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg. of cement per sq.metre of floor area before laying cement concrete flooring including roughening, cleaning of the concrete surfaces complete.	23.07	Sqm			Per Square Metre	
4	preparing the surface to receive water proofing treatment by removal of previous water proofing treatment and making surface ready to recive water proofing treatment. Cleaning the surface with wire brushes to clean smooth & Dry surface, free of any loose particles/ reinforcement bars/ debriesetc. Grooving and Cleaning all the existing Cracks and repairing them with ploymer modified mortar washing if required ( to be decided by site incharge) before applying water proofing Coat of Acrlic Polymer modified protective and decorative in water proof treatment with RCC Work etc. as per site requirement and Complete in allrespect including all leads , lifts and Carriage of Material at site as directed by the Ingineer In Charge	91.90	Sqm			Per Square metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	3.45	Cum			Per Cubic Metre	
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	2.30	Cum			Per Cubic Metre	
7	Providing and fixing Polyethylene-Aluminium-Polyethylene PE-AL- PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge.INTERNAL WORK - EXPOSED ON WALL (i) 1620 (20 mm OD) pipe	40.00	Rmt			Per Running Metre	

8	Providing and laying ceramic tiles of approved size, shade, design and quality in flooring, treads of steps laid on a bed of 12mm thick cement mortar 1 : 4 ( 1 cement : 4 sand) finished with flush pointing in white cement including carriage of materials within all leads and lifts.(i) size of Tiles 300x300mm	22.50	Sqm			Per Square metre	
9	Providing and fixing ceramic glazed Digital tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. (i) Size of Tiles 300x450	110.00	Sqm			Per square meter	
10	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	3.00	Nos.			Each	
11	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	3.00	Nos.			Each	
12	Providing and fixing Solid Type plastic seat and cover for wash down water closet with C.P. brass hinges and rubber buffers including carriage of materials within all leads and lifts :-White plastic seat and cover.	3.00	Nos.			Each	
13	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90 mm.	3.00	Nos.			Each	
14	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads and lifts (i) 110 mm	30.00	Rmt			Per Running Metre	
15	Providing and fixing 110 mm dia PVC Finolex Door Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 110mm Nominal Dia	12.00	Nos.			Each	
16	Providing and fixing 110 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 110mm Nominal Dia	18.00	Nos.			Each	
17	Providing and fixing 110 mm dia PVC Finolex Single Equal Branch Plain ( Tee) type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 110mm Nominal Dia	6.00	Nos.			Each	
18	Providing and fixing 110 mm dia PVC Clamps ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 110mm Nominal Dia	10.00	Nos.			Each	




19	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	9.63	Cum			Per Cubic Metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and, any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-8**

**SCHEDULE OF QUANTITY**

26

Estimated Cost Rs. :- 471209.00

Earnest Money Rs. :- 9430.00

Time:- One Month.

**Name of work: - Special repair to Principal office at IGMC Shimla(SH:- Providing and Fixing HDF Flooring, wooden plank Flooring , Vitrified tiles , wood work, Painting and Distempering work etc. complete)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling wooden boardings in lining of walls and partitions including frame work and stacking the materials within all leads and lifts including carriage of materials:-Thickness above 25mm and upto 40mm.	17.70	Sqm			per square meter	
2	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class Deodar wood.	0.459	Cum			Per Cubic Metre	
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	2.26	Cum			Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete within carriage of material in all leads and lifts.	2.26	Cum			Per Cubic Metre	
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	10.91	Sqm			per square meter	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	31.50	Sqm			Per Square Metre	
7	25mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with Second class deodar wood including carriage of materials within all leads and lifts.	17.70	Sqm.			Per square meter	
8	Providing and fixing HDF decorative laminate core board flooring AC4 class 32, 8mm thick placed over cushion of 2mm thick expended poethylene foam plus 100 Microne thick poethylene sheet under lay No. 045 Beech West including border of required shade and colour complete in all respect upto all floor levels as per direction of Engineer in charge including carriage of materials in all leads and lifts.	27.75	Sqm.			Per Square Metre	
9	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).(i) Sal Wood	0.05	Cum.			Per Cubic Metre	

10	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood (a) 35mm thick shutters	25.74	Sqm.			Per Square Metre	
11	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm.	1.00	No.			Each	
12	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 200x10mm	2.00	No.			Each	
13	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 150x10mm	80.00	No.			Each	
14	Providing and fixing ISI marked oxidised M.S. handles conforming to IS.4992 with necessary screws etc. complete : (i) 125mm	82.00	No.			Each	
15	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 500x500 mm	31.07	Sqm			Per Square Metre	
16	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete	14.46	Sqm			Per Square Metre	
17	providing and Fixing Murga Jali( Chicken mesh) of wire mesh onwall before plastering with nails etc. complete as per the direction of Engineer -in Charge.	31.50	Sqm			Per Square Metre	
18	20 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	31.50	Sqm			Per square meter	
19	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work	132.25	Sqm			Per Square Metre	
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	132.25	Sqm			Per Square Metre	
21	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	132.25	Sqm.			Per Square Metre	
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Wod Based Surfaces :(i) One or more coats on old work	71.54	Sqm			Per Square Metre	



23	Varnishing with varnish of approved brand and manufacture One or more coats with copal varnish including carriage of materials within all leads and lifts.	17.70	Sqm				Per Square Metre	
24	Providing and fixing 110 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (l) 110mm Nominal Dia	42.00	Rmt.				Per Running Metre	
25	Providing and fixing PVC (Finolex) plain bend Type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm dia.	12.00	No.				Each	
26	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	7.00	No				Each	
27	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No.				Each	
28	Providing and fixing wash basin with single hole C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:(i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	1.00	No.				Each	
29	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.including carriage of materials within all leads and lifts.	1.00	No.				Each	
30	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	2.00	No.				Each	
31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No.				Each	
32	Providing and fixing 15mm dia C.P. brass bib tap with capstan head including C.P. flange and carriage of materials within all leads and lifts.	2.00	No.				Each	
33	Providing and fixing 15mm nominal bore C.P. brass angle valve of approved quality conforming to IS:8931 complete including carriage of materials within all leads and lifts.	4.00	No.				Each	
34	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureka type W.C. of quality and make as approved by Engineer - in - charge.	1.00	Nos.				Each	
35	Providing and Fixing Chromium Plated Glass Shelf with necessary screws and nials including carriage of Material with in all Leads and lifts.	2.00	Nos.				Each	
36	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(a) Internal work - Exposed on wall (i) 15 mm dia nominal bore	15.00	Rmt.				Per Running Metre	
37	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90 mm.	2.00	Nos.				Each	

38	Providing and Fixing 1.5mm Thick PVC, Antistatic Venyle Flooring ) plain Coloured, corbed ar Moasic/ Metalled finish laid with approved Adhesive on sub- Floor ( Damp prrof treatment to be paid for seprately) Including carriage of materials within all leads and lifts (i) 1.5mm Thick	17.70	Sqm.				Per Square Metre	
39	Providing and Fixing aluminim Angle having size 40x40mmx5mm for nosing of steps with necessary screws and fittings including carriage of Material with in all leads and lifts	48.00	Rmt.				Per Running Metre	
<b>Conditions:-</b>								
							<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

**SCHEDULE OF QUANTITY****(27)**

Estimated Cost Rs. :- 158512.00

Earnest Money Rs. :- 3180.00

Time:- One Month.

**Name of work: - Special Repair to Kamla Nehru Hospital Shimla(SH:- Distempring work, CC. Work and WS.& SI. Installation in first Floor of MCH. Shimla)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10 mm to 25 mm.	18.00	Sqm			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.(i) Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	7.20	Cum			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	6.3	Cum			Per Cubic Metre	
4	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts.	18.00	Sqm.			Per square metre	
5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.(i) The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	18.00	Sqm.			Per square metre	
6	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :(i) W.C. pan with ISI marked white solid plastic seat and lid	4.00	No			Each	



7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:(i) White Vitreous China Wash basin size 630x450 mm with	4.00	No.			Each	
8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.including carriage of materials within all leads and lifts.	4.00	No.			Each	
9	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge	4.00	No			Each	
10	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.including carriage of materials within all leads and lifts.(i) 32mm Dia	4.00	No.			Each	
11	Providing and fixing 110 mm stainless steel grating for trap. .including carriage of materials within all leads and lifts	4.00	No.			Each	
12	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.including carriage of materials within all leads and lifts.	4.00	No.			Each	
13	Providing and fixing C.P. brass bib cock 15 mm of approved quality conforming to IS:8931 complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	4.00	No			Each	
14	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931: 15 mm nominal bore including carriage of material within all leads and lifts as per direction of Engineer-in-charge..	24.00	No.			Each	
15	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	12.00	No.			Each	
16	Providing and fixing 30 cm length uplasticised PVC connection pipe with brass unions15 mm nominal bore.	24.00	No.			Each	
17	Providing and fixing 15mm nominal bore to wall ceiling and floors galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floor complete including carriage of materials within all leads and lifts.(i) Internal work	16.73	Rmt			Per Running Metre	
18	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts. :- 15mm nominal bore	4.00	No.			Each	
19	Providing and fixing 110mm nominal size high pressure PVC (finolex) Type-A spigot and socket, waste and ventilating pipes ISI marked with collar and clamps including fixing with approved adhesive etc. complete. including carriage of materials within all leads and lifts.	13.20	Rmt			Per Running Metre	

20	Providing and fixing 110mm nominal size PVC (finolex ) Plain bends of required degree (any radius) including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts.	8.00	No.			Each	
21	Providing and fixing 110mm nominal size PVC (finolex ) 45 degree Plain bends of required degree (any radius) including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts.	4.00	No.			Each	
22	Providing and fixing 110mm X 75mm nominal diametre PVC (Finolex) floor trap of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete.including carriage of materials within all leads and lifts.	8.00	No			Each	
23	Providing and fixing 110mm dia PVC (Finolex) door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc.complete. including carriage of materials within all leads and lifts.	2.00	No.			Each	
24	Providing and fixing 110mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.(i) 110mm nominal size.	8.00	No			Each	
<b>Conditions:-</b>							
						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

# **SCHEDULE OF QUANTITY**

28

Estimated Cost Rs. :- 162615.00

Earnest Money Rs. :- 3260.00

Time:- One Month.

**Name of work: -A/R & M/O to Residential Building under Shimla Division No.III (SH:- Painting and Distempering in set No. 608,610,614,619,621,622,623 and 625 in Block No. 25 and Set No. 647,648 and 650 in Block no. 28 at New Shimla Sector-3)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	613.00 Sqm			Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	613.00 Sqm			Per Square Metre	
3	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	1226.05 Sqm.			Per Square Metre	
4	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	1173.33 Sqm			Per Square Metre	
<b>Conditions:-</b>						
						<b>Total</b>

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.**

*(Signature)*



**SCHEDULE OF QUANTITY**

29

Estimated Cost Rs. :- 447364.00

Earnest Money Rs. :- 8950.00

Time:- One Month.

**Name of work: - Special repair to Nursing Girls Hostel at IGMC Shimla (SH:- Renovation of Toilet ( Block-B) Dismantling work, Cement concrete , wood work. Floor tile , painting and Distemping & Sanitary work in Sixth floor Right Side)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	4.52 Cum.			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	92.52 Sqm			Per square meter	
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	31.90 Sqm			Per Square Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:-1:5:10 (1 cement : 5 coarse sand); 10graded stone aggregate 40mm nominal size)	3.04 Cum.			Per Cubic Metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.41 Cum.			Per Cubic Metre	
6	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :(i) cement mortar 1:4 (1 cement : 4 coarse sand)	2.10 Sqm			Per square meter	
7	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:(i) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.50 Sqm			Per square meter	
8	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	7.00 No			Each	
9	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 200x10mm	14.00 No			Each	
10	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	7.00 No			Each	

11	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (i) Size of tile 600x600xmm	30.16	Sqm			Per Square Metre	
12	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mmx8mm	81.71	Sqm			Per square meter	
13	6 mm cement plaster to ceiling of mix :(i)1:3 (1 cement : 3 fine sand) including carriage of materials within all leads and lifts.	31.90	Sqm			Per square meter	
14	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	92.52	Sqm.			Per Square Metre	
15	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	32.45	Sqm			Per Square Metre	
16	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts.- Two or more coats on new wood work.	32.19	Sqm.			Per Square Metre	
17	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work (One or more coat applied @ 0.90 ltr/10 sqm).	68.78	Sqm			Per Square Metre	
18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	68.78	Sqm			Per Square Metre	
19	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Muncipal dumping ground for lead upto 10km. For lalleasts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	5.91	Cum.			Per Cubic Metre	

20	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. (i) The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	48.12	Sqm.			Per square meter	
21	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : (i) W.C. pan with ISI marked white solid plastic seat and lid	5.00	Nos			Each	
22	Providing and fixing wash basin with single hole C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: (i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	6.00	No.			Each	
23	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. including carriage of materials within all leads and lifts.	6.00	No.			Each	
24	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	6.00	Nos			Each	
25	Providing and fixing C.P. grating of approved quality and colour. (i) round (i) 100 mm Nominal Dia	12.00	Nos			Each	
26	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	6.00	Nos			Each	
27	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (i) 15 mm Nominal bore	7.00	Nos			Each	
28	Providing and fixing C.P. brass stop cock of approved quality : (i) 15 mm nominal bore	18.00	No.			Each	
29	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15 mm Nominal bore	6.00	Nos			Each	
30	Providing and fixing 8 mm Dia chromium plated Jet with Flexible tube 1.00 Metre long with SS Traingular Plate to European Type WC Pan including carriage of materials within all leads and lifts.	4.00	Nos			Each	
31	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	6.00	No			Each	
32	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. (i) 15 mm nominal bore with 30 cm length	12.00	Nos.			Each	



33	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : (i) 15 mm dia nominal bore	23.85	Rmt.			Per running Metre	
34	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	10.00	Nos			Each	
35	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)(i) 20 mm nominal bore.	3.00	No.			Each	
36	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.(a) 150 mm diameter	10.30	Rmt.			Per running Metre	
37	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.(a) 110 mm diameter	29.40	Rmt.			Per running Metre	
38	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Collar	4.00	Nos			Each	
39	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Collar	12.00	Nos			Each	
40	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Door bend	2.00	Nos			Each	
41	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Door bend	2.00				Each	
42	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 150 mm Plain bend	2.00	Nos			Each	
43	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Plain bend	10.00				Each	
44	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.(i) 110 mm Single Equal Branch without door	7.00	Nos			Each	

45	Providing and fixing 600mm X 20mm size C.P. brass towel rail (heavy duty ISI marked IS:8931 & 8934) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	4.00	No.			Each	
46	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	3.00	No.			Each	
47	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	6.00	Nos.			Each	
48	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm x 90mm	5.00	Nos			Each	
<b>Conditions:-</b>						<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

**SCHEDULE OF QUANTITY**

(30)

Estimated Cost Rs. :- 489064.00

Earnest Money Rs. :- 9790.00

Time:- Six Month.

**Name of work: - Providing staff for maintenance of various buildings under Medical College Sub Division No.II IGMC Shimla. ( For Six Month)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Engagement of carpenter in residential & non residential buildings to construct and put into position doors, windows, frame stairs, trusses etc. and to attend all type of furniture repairs to prepare and repair of wood in fixtures can prepare and assembly timber trusses and join timber pieces in treason and compressing numbers thereof should be capable of preparing estimate of materials for different jobs any other duty assigned by the Junior Engineer.	6.00	No			Per Person Per Month	
2	Engagement of Plumber to assemble, install, maintain, and pressure test all pipes, fittings, and fixtures of heating, water, sanitary, drainage, sprinkler, according to specifications and plumbing codes, to determine sources of plumbing malfunctions and complete repairs as indicated or according to work orders, install and repair pipes, fittings, valves, fixtures, and plumbing system equipment, including sinks, commodes, water heaters, water softeners, etc., to select material and hardware and make time and materials estimates, to maintain accurate records on tools, equipment, and materials and labor used, He shall be responsible for laying, jointing all kind of pipes and special i.e. C.I., G.I., HCl, PVC lead pipes etc making ferrule connections repair to leakages etc and other miscellaneous works /jobs at treatment plan /water works and pumping stations etc .He shall also be responsible be reporting and assisting the Junior Engineer for detection and connection and other duty assigned by the Junior Engineer.	6.00	No			Per Person Per Month	
3	Engagement of Sever Man to performs semi-skilled work in connection with the maintenance and operation of a sewer system, Operates catch basin cleaner, Removes obstructions from sewers with sewer rods and sever cables, Pumps out cellars or excavations that have become flooded as the result of storms, Repairs sewers, manholes and catch basins and other related jobs. He is responsible for every day inspection, Maintance and complaint disposal and and other duty assigned by the Junior Engineer.	6.00	No			Per Person Per Month	
4	Engagement of Beldar for any of duties assigned by Junior Engineer, unskilled jobs such as earth work, carriage of material, cleaning and washing of areas, assisting plumber carpenter etc, cutting of grass and other misclenious works assigned by Junior Engineer.	12.00	No			Per Person Per Month	
<b>Conditions:-</b>						<b>Total</b>	

i  
ii  
iii

Executive Engineer  
Shimla Division No.III  
HP.(PWD. Shimla-3)



**SCHEDULE OF QUANTITY**

(81)

Estimated Cost Rs. :- 139446.00

Earnest Money Rs. :- 2790.00

Time:- One Month.

**Name of work: - Special Repair to Kamla Nehru Hospital Shimla(SH:- Providing and Fixing Aluminium Work , Cup Board, Painting & Distemping work in Labour room and Room No.100 in OPD. Block)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :(i) For Fixed Portion (a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	56.71 Kg.			Per Kilogramme	
2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	16.69 Kg.			Per Kilogramme	
3	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer- in-charge.(i) Pre-laminated particle board with decorative lamination on both sides	3.78 Sqm			Per square meter	
4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer -in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) including carriage of materials within all leads and lifts.	2.34 Sqm.			Per square meter	
5	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 200x10mm	2.00 No			Each	

6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 125mm	4.00	No			Each	
7	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	6.48	Sqm.			Per square meter	
8	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc. complete including carriage of materials in all leads and lifts.	38.40	Sqm			Per square meter	
9	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	6.48	Sqm.			Per Square Metre	
10	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of material in all leads and lifts. 100 mm	36.00	No			Each	
11	Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18mm X5mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge	64.00	Rmt.			Per Running Metre	
12	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	76.80	Sqm			Per Square Metre	
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in wood and wood based surfaces (i) :Two or more coats on new work	76.80	Sqm			Per Square Metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

**SCHEDULE OF QUANTITY**

32

Estimated Cost Rs. :- 472356.00

Earnest Money Rs. :- 9450.00

Time:- One Month.

**Name of work: -Special repair to Non residential buildings under Shimla Division No. III (SH:-Construction of main gate in the office of the Engineer-in-Chief at Nirman Bhawan, Nigam Vihar Shimla).**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto all leads and lift upto 1.5 m, as directed by Engineer-in-charge including carriage of materials within all leads and lifts. Ordinary rock	1.53 Cum			Per cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.72 Cum			Per cubic meter.	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	0.26 Cum			Per cubic meter.	
4	Centering and shuttering including strutting, propping etc. and removal of form work for (i) Foundations, footings, bases for columns including carriage of materials within all leads and lifts.	4.80 Sqm			Per square meter	
5	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.including carriage of materials within all leads and lifts.	1.40 Sqm			Per square meter	
6	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size including carriage of materials within all leads and lifts.	0.19 Cum			Per cubic meter.	
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars including carriage of materials within all leads and lifts.	19.00 Kg			Per Killogram me	
8	Coursed rubble masonry (first & second sort) with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of materials within all leads and lifts.	0.54 Cum			Per cubic meter.	
9	Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6 m. including carriage of materials within all leads and lifts.	0.54 Cum			Per cubic meter.	



10	Steel work welded in built up sections, including hollow section trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in beams joists, channels, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.	3300.18	Kg			Per Kilogram me	
11	Providing and fixing ACP sheet 4mm thick in lining/ceiling/walls, doors/panelling fixed with self drilling screws etc. complete by the Engineer-in-Charge including carriage of materials within all leads and lifts.	3.60	Sqm			Per square meter.	
12	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	27.50	Sqm			Per square meter	
13	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete Ridges plain (500 - 600mm) including carriage of materials within all leads and lifts.	12.55	Rmt			Each	
14	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufactureincluding carriage of materials within all leads and lifts..	76.45	Sqm			Per square meter	
15	Providing temporary platform by way of scaffolding for the repair of ceiling/roofs/ roofs projection etc. upto all heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge (Area of platform top shall be measured and paid for only).	70.00	Sqm			Per square meter	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

iv

Executive Engineer  
Shimla Division No.III  
HP, PWD. Shimla

**SCHEDULE OF QUANTITY**



Estimated Cost Rs. 387673.00

Earnest Money Rs. 7750.00

Time:- one month.

Name of work:-Restoration of rain damages to road from OLD MLA Qtrs to Bolleauganj Crossing by-Pass road KM 0/00 to 0/400. (SH:- Construction of Breast/Wall at RD 0/320 to RD 0/325.50)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	52.18	Cum.			Per cubic metre.	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	19.31	Cum.			Per cubic metre.	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and	56.43	Cum			Per Cubic metre	
4	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete.including carriage of materials within all leads and lifts.including carriage of materials all leads and lifts as per direction of Engineer- in - Charge.	27.25	Sqm			Per square metre	
5	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	33.00	Rmtr			Per running metre	
6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	57.19	Cum.			Per cubic metre.	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.



# **SCHEDULE OF QUANTITY**

(SH)

Estimated Cost Rs. :- 353990.00

Earnest Money Rs. :- 7080.00

Time:- One Month.

**Name of work: - Special Repair to Hematology Lab. At IGMC Shimla (SH:- Dismantling & Providing and Fixing wood work,, Steel work, Tile s work etc. in Hematology Lab and Room No. 401 at GMC. Shimla)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar	30.02	Cum			Per Cubic Metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	4.00	No.			Each	
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead:- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	54.92	Sqm			Per Square Metre	
4	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	5.60	Sqm			Per Square Metre	
5	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):(i) 18 mm Thick	62.59	Sqm			Per Square Metre	
6	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) 500X500MM	49.49	Sqm			Per Square Metre	
7	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.	53.84	Sqm			Per Square Metre	
8	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	16.80	Sqm			Per Square Metre	



9	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:(i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	No.			Each	
10	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :(i) Flat back wash basin of size 630x450 mm	2.00	No.			Each	
11	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 40 mm dia	2.00	No.			Each	
12	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	2.00	No.			Each	
13	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.including carriage of materials within all leads and lifts.	2.00	No.			Each	
14	Providing and fixing CP. brass stop cock of approved quality :(i) 15mm nominal size	4.00	No.			Each	
15	Providing and fixing 15mm nominal bore C.P. brass angle valve of approved quality conforming to IS:8931 complete including carriage of materials within all leads and lifts.	4.00	No.			Each	
16	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.(i) Two coats	80.81	Sqm.			Per Square Metre	
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	80.81	Sqm			Per Square Metre	
<b>Conditions:-</b>							
						<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.

SCHEDULE OF QUANTITY

35

Estimated Cost Rs. :- 76327.00

Earnest Money Rs. :- 1530.00

Time:- One Month.

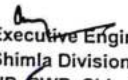
Name of work: -A/R and M/O Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Providing extra rain water pipes to stop direct fall of water on floor/roofs near canteen.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.63mm (+ 0.05%) total coated thickness with zinc coating 120grams per sqm as per IS: 277, in 240mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester top coat 15-18microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5mm x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required complete including carriage of materials within all leads and lifts.	17.64 Sqm			Per square metre	
2	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia. including carriage of materials within all leads and lifts.	48.00 Rmt			Per Running metre.	
3	Providing and fixing PVC (Finolex) door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 150mm nominal size.	2.00 No.			Each	
4	Providing and fixing 150mm nominal size PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	10.00 No.			Each	
5	Providing and fixing 150mm dia PVC (finolex) collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	5.00 No.			Each	
6	Providing and fixing PVC (finolex) plain tee with insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts- 150mm nominal size.	5.00 No.			Each	
7	Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedestal of CGI Sheet etc. in all respect (Face area of scaffolding up to top pedestal height shall be measured and paid for) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	4.50 Sqm			Per square metre	

8	Disposal of excavated earth by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owener of dumping site through all modes of transporation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	6.34 Cum			Per Cubic metre.	
<b>Conditions:-</b>					<b>Total</b>	<b>0.00</b>

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
Executive Engineer  
Shimla Division No.III  
HP. EWD. Shimla-3.



**SCHEDULE OF QUANTITY**

36

Estimated Cost Rs :- 346461.00  
 Earnest Money Rs :- 6930.00  
 Time:- One Month

**Name of work:- Special Repair to Armsdale Main Building at HP Secretariat Shimla-2. (SH:- Providing and fixing PVC down pipe for gutter with fittings in back side of Armsdale building.)**

Sr. No.	Description of items.	Quantity		Rate	Unit	Amount
1	Providing and fixing on wall face PVC Finolex type "B" 150mm dia pipes including filling the joints with approved adhesive etc complete including carriage of materials within all leads and lifts.	322.50	Rmt		Per running metre	
2	Providing and fixing 150mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	45.00	No.		Each	
3	Providing and fixing 150mm nominal size PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	15.00	No.		Each	
4	Providing and fixing 150mm nominal size M.S. flat clamp including fixing with screws and rawl plug etc. complete including carriage of materials within all leads and lifts.	90.00	No.		Each	
5	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarled on undecorated wall surfaces (one coat) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	96.75	Sqm		Per square metre	
<b>Conditions:-</b>						<b>Total</b>

- i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.  
 ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP. P.W.D. Shimla-3.**

**SCHEDULE OF QUANTITY****37**

Estimated Cost Rs. :- 267773.00  
Earnest Money Rs. :- 5360.00  
Time:- One Month.

Name of work: -Special Repair to Kamla Nehru Hospital Shimla (SH: - Providing and fixing aluminum work and Pre-laminated practical board etc. in OPD block etc.)

Sl. No.	Items of work	Quantity		Rate		Unit	Amount.
				In figures	In words		
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) complete within carriage of material in all leads and lifts.	277.61	Kgs			Per Kilogramme	
2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	138.07	Kgs			Per Kilogramme	
3	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer- in-charge. Pre-laminated particle board with decorative lamination on both sides complete including carriage of materials in all leads and lifts.	14.58	Sqm			Per square metre.	
4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) complete including carriage of materials in all leads and lifts.	7.59	Sqm			Per square metre.	
5	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 250mm x10mm size.	12.00	No.			Each	

6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 100mm size.	8.00	Sqm			Per square metre	
7	Providing and fixing 250mm x 16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	4.00	No.			Each	
						<b>Total</b>	

**Conditions:-**  
Rates should be quoted for all heights including all leads and lifts for internal and external works.

- i
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should conform to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla



# SCHEDULE OF QUANTITY

(38)

Estimated Cost Rs. :- 499282.00

Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: - Special Repair to Nursing Hostel & UG/PG Doctor Hostel under IGMC. Shimla (SH:- Construction of Pedestal for Water Tanks Near Cancer Hospital)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) All Kind of Soil	1.62 Cum.			Per cubic metre	
2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	1.62 Cum			Per Cubic Metre	
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In beams joists, channels, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.	2230.00 Kg			Per Kilogram me	
4	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	32.50 Sqm			Per Square Metre	
5	Providing and fixing M.S. BP.sheet 1.5mm thick fascia /soffits/ eaves board /ceiling fixed with angle iron frame including cutting, welding to steel roof members and applying a coat of red lead primer etc.(base members of steel work shall be measured and paid for separately)	7.00 Sqm.			Per Square Metre	
6	Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.	46.25 Sqm			Per Square Metre	

7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade On Steel Surface complete including carriage of materials within all leads and lifts:- Two or more coats on new wood work.	161.04	Sqm.				Per Square Metre	
8	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately. including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge.	12000.00	Litre				Per Litre	
9	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :(i) 4mm Nominal Bore	12.00	No.				Each	
9.1	(ii) 80 mm Nominal bore	6.00	No.				Each	
10	providing and Fixing of 15mm size ball cock with float ball medium duty of approved brand including carriage of materials within all leads and lifts.	8.00	No.				Each	
11	Providing and fixing ball gate valves with PVC lever handle of approved brand at store of Eilerslie main building including carriage of materials within all leads:- 15mm nominal size.	6.00	No.				Each	
12	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length (i) 15 mm Nominal Bore	4.00	No				Each	
13	Providing and fixing 15 mm nominal bore G.I. Pipes with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall (i) 15 mm Nominal Bore	18.40	Rmt				Per Running Metre	
13.1	(ii) 20 mm Nominal bore	11.50	Rmt				Per Running Metre	
<b>Conditions:-</b>								
							<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

SCHEDULE OF QUANTITY

39

Estimated Cost Rs. :- 240250.00  
 Earnest Money Rs. :- 4810.00  
 Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:-Providing and fixing G.I. Pipe In ceiling of Armasdale, CPVC pipe In duct of officers toilet and other minor repair etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing to wall ceiling and floors galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floor complete including carriage of materials within all leads and lifts:- 25mm nominal bore.	50.60 Rmt			Per running metre	
2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc:- 20 mm nominal outer dia Pipes.	44.80 Rmt.			Per running metre	
3	Providing and fixing Vanity with wash basin of size 600mm X 900mm complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
4	Providing and fixing sensored basin tap complete with fixed to wooden plugs with C.P. brass screws fitting complete including carriage of materials within all leads and lifts :- ESS ESS sensor RLASD-101.	1.00 No			Each	
5	Providing and fixing pump of 2hp capacity of Crompton of equivalent including all accessories/fittings as required to complete the job including carriage of materials within all leads and lifts.	3.00 No			Each	
6	Providing and fixing 15mm dia C.P. brass Angle cock including carriage of materials within all leads and lifts:-Jeguar cat No. APR-ESS-101053	12.00 No			Each	
7	Providing and fixing 600mm X 20mm size C.P. Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:-ESS ESS Trend series AC-101.	4.00 No.			Each	
8	Providing and fixing bright finished brass 100mm Mortice latch and lock and a pair of levers, handles with necessary screws etc. complete (indian make of approved quality) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. Godrej No. 6757.	4.00 No.			Each	
9	Providing and fixing Curtain rod 25mm dia and 1.66mm thick (confirming to bureau of Indian standard) in single length with out any joint complete with finnal for curtains for sides of rod etc. including carriage of material within all leads and lifts:- fency Type curtain Rod.	38.40 Rmt.			Per Running metre.	
10	Providing and fixing Curtain brackets fixed with required screws etc. complete including carriage of material within all leads and lifts.	24.00 No.			Each	



11	Providing and fixing 500ml soap dispenser with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	22.00 No.		Each	
12	Providing and fixing frosted lamination sheet of approved shade and quality on glass complete as per direction of Engineer-in-charge including carriage of materials within all leads and lifts.	28.08 Sqm		Per square metre.	
<b>Conditions:-</b>				<b>Total</b>	

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

by  
Executive Engineer  
Shimla Division No.III  
HP PWD, Shimla-3.

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 186511.00

Earnest Money Rs. :- 3740.00

Time:- One Month.

Name of work: -Special Repair to Various Building at IGMC. Shimla (SH:- Painting and Distempering in Electrical Plant & Generator Rooms in Block A,B,C,D,E & Lift Portion)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	2729.37 Sqm			Per Square Metre	
2	Painting on Wall surfaces with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : complete including carriage of materials within all leads and lifts.(i) Old work (one or more coats)	1157.99 Sqm			per square meter	
Conditions:-						
					Total	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP.PWD. Shimla

SCHEDULE OF QUANTITY

(21)

Estimated Cost Rs. 365641.00

Earnest Money Rs. 7310.00

Time:- one month.

Name of Work:- Restoration of rain damages to road from OLD MLA Qtrs to Bolleaugan] Crossing by-Pass road KM 0/00 to 0/400. (SH:- Construction of R/Wall at RD 0/369.50 to RD 0/375)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	57.19	Cum			Per Cubic metre	
2	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete including carriage of materials within all leads and lifts including carriage of materials all leads and lifts as per direction of Engineer-in - Charge.	62.37	Sqm			Per Square metre	
3	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	17.99	Cum			Per cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	52.00	Rmtr			Per running metre	
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	26.98	Cum			Per cubic metre	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*Signature*



**SCHEDULE OF QUANTITY**

42

Estimated Cost 80382.00  
Earnest Money 1610.00

Time:- one month.

Name of Work:-A/R and M/O various residential buildings under division. (SH:- Painting and distempering in new and old gumti, guard room at Hon'ble Chief Justice residence at Chaura Maidan shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Wall painting with acrylic exterior emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.	17.83 Sqm			Per cubic metre.	
2	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm). complete including carriage of materials within all leads and lifts.	38.10 Sqm			Per cubic metre.	
3	Finishing wall with weather proof exterior grade emulsion of approved design and manufacture on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials within all leads and lifts. old work.	11.52 Sqm			Per cubic metre.	
4	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.	288.58 Sqm			Per cubic metre	
5	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	210.07 Sqm			Per running metre	
6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	274.06 Sqm			Per cubic metre	
7	Painting Steel work/wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture ncluding carriage of materials within all leads and lifts.	614.60 Sqm			Per running metre	
Rates should be quoted for all heights including all leads and lifts for internal and external works.						
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*[Signature]*

SCHEDULE OF QUANTITY

43

Estimated cost:- 328606.00  
Earnest Money:- 6580.00  
Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:- Repair of Roof ( Front Side) In block no 30 at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. Including carriage of materials within all leads and lifts	129.29 Sqm			Per square metre.	
2	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.0.63 mm thick with zinc coating not less than	129.73 Sqm			Per square metre.	
3	Providing and fixing fiber/polycarbonate transparent sheet 1.2mm thick in lining with self drilling screws along with washers etc. complete with all accessories as required to complete the work in all leads and lifts as per direction of Engineer-in-charge.	3.08 Sqm.			Per square metre	
4	Steel work welded in built up sections/ framed work, including cutting, holting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1388.87 Kg			Per Kilogramme	
5	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture	26.82 Sqm			Per square metre.	
					Total	

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.  
Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.  
Credit for servicable material to be obtained from dismantling i.e. CGI/PGI sheets. 129.29 Qty as per item no.1

*[Signature]*  
Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

**SCHEDULE OF QUANTITY**

Estimated Cost R 421131.00

Earnest Money R 8420.00

Time:- one month.

Name of Work:- Improvement of road from cart road to Annadale road Km 0/00 to RD 4/160. (SH:- Construction of P.C.C retaining wall at RD 3/286 to 3/293.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within all leads. All kind of soil.	4.83	Cum.			Per cubic metre.	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor all level, excluding the cost of centering, shuttering and finishing :1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	69.41	Cum.			Per cubic metre.	
3	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete.including carriage of materials within all leads and lifts.including carriage of materials all leads and lifts as per direction of Engineer- in - Charge.	50.10	Sqm.			Per cubic metre.	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	12.18	Cum			Per cubic metre	
5	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	26.40	Rmtr			Per running metre	
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	18.27	Cum			Per cubic metre	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	4.83	Cum.			Per running metre	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 411264.00

Earnest Money Rs. :- 8230.00

Time:- One Month.

**Name of work: -Restoration of Rain Damages on Road from Navbahar to Holly Lodge Km. 0/00 to 2/670(SH:-C/O Retaining wall at RD. 0/450 to 0/472)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto all lead and lift as directed by Engineer-in-charge. . (i) All kinds of soil	29.16 cum.			Per Cubic Metre	
2	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within all lead and lift Ordinary rock including carriage of materials within all leads and lifts.	19.44 Cum			Per Cubic Metre	
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	1.13 Cum			Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	3.24 Cum.			Per Cubic Metre	
5	Centering and shuttering including strutting, propping etc. and removal of form work for : (i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	61.18 Sqm			Per square meter	
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	52.25 Cum			Per Cubic Metre	
7	Dismantling Existing Steel Railing including all Accessories as per direction of Engineer- In- Charge.	446.58 Kg			Per Kilogramme	
8	Refixing and Repair of old Steel Railing including all Accessories as per direction of Engineer- In- Charge.	446.58 Kg			Per Kilogramme	
9	Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour)	4.86 Cum			Per Cubic Metre	
10	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) Granular material.	10.80 Cum			Per Cubic Metre	

11	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	49.73	Cum			Per Cubic Metre	
12	Providing and laying weapholes in brick masonry /stone masonry /plain reinforced concrete abutment, wing wall return wall with 100mm (one hundred )milimetredia PVC pipe extending through the full with of the structures with slop of 1(v);20 (H) towards drawing face complete as per drawings and technical specifications MORD clause 614,,709,1204.3.7 including hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.	25.00	Rmt			Per Running Metre	
<b>Conditions:-</b>						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP PWD. Shimla-3

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 495343.00  
Earnest Money Rs. :- 9910.00  
Time:- One Month.

Name of work: - A/R & M/O various Residential Building and non residential buildings under Shimla div no 3 (SH:- Supplying of various Materials for day to day Repair and Maintenance under Shimla Sub Division no 9 HP Sectt. for Various Sections)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and supplying Wooden Screws size 20mm and 25 mm (100Pcs Pkt) including carriage of materials within all leads and lifts	24.00	pkt			Per/kg	
2	Providing and Supplying Wooden Screws size 30mm and 35 mm (100Pcs Pkt) including carriage of materials within all leads and lifts	14.00	Pkt			Per/Pkt	
3	Providing and Supplying Screws full Threaded size 30mm&35mm including carriage of materials within all leads and lifts	430.00	No			each	
4	Providing and Supplying White Cement including carriage of materials within all leads and lifts	15.00	pkt			Per/Pkt	
5	Providing and Supplying CP Zet Complete With PVC Pipe size 15mm including carriage of materials within all leads and lifts	14.00	No			Each	
6	Providing and Supplying CP Brass Bib Cock Sikko Deluxe Hot&Cold size 15mm Dia including carriage of materials within all leads and lifts	30.00	No			Each	
7	Providing and Supplying CP Brass Angle Stop Cock Sikko Deluxe Hot&Cold Size 15mm including carriage of materials within all leads and lifts	28.00	No			each	
8	Providing and Supplying CP Brass Pillar Cock Sikko Deluxe Hot&Cold size 15mm including carriage of materials within all leads and lifts	11.00	No			each	
9	Providing and Supplying EWC Seat Cover (European)complete with Hinges (Solid) including carriage of materials within all leads and lifts	9.00	No			each	
10	Providing and Supplying EWC Seat Cover (Anglo Indian) complete with Hinges (Solid) including carriage of materials within all leads and lifts	7.00	no			each	
11 (ii)	Providing and Supplying Nails Size 1**14no including carriage of materials within all leads and lifts	8.00	kg			per/kg	
12	Providing and Supplying CP Health Focet Zet Complete With Brass Hook & Pipe 15mm ESS-ESS Make including carriage of materials within all leads and lifts	6.00	no			each	
13	Providing and Supplying CP Lock Medium of 3kg including carriage of materials within all leads and lifts	85.00	no			each	
14	Providing and Supplying Putty Glazing Superior including carriage of materials within all leads and lifts	50.00	kg			per/kg	
15	Providing and Supplying Aluminium Anglo Steaps 12pt Long *2.5 width *5mm Thick Heavy duty including carriage of materials within all leads and lifts	240.00	R.ft			Per/R.ft	
16	Providing and Supplying PVC Pipe 110mm*10"Long With Collar Finolex /Vectus including carriage of materials within all leads and lifts	8.00	no			Each	
17	Providing and Supplying PVC Pipe 90mm *10" Long With Finolex/Vectus including carriage of materials within all leads and lifts	6.00	no			Each	
18	Providing and Supplying PVC Bend 110mm Finolex/Vectus including carriage of materials within all leads and lifts	17.00	no			Each	
19	Providing and Supplying PVC Collar 110mm Finolex/Vectus including carriage of materials within all leads and lifts	7.00	no			Each	

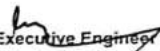


20	Providing and Supplying PVC Tee 110mm Finolex/Vectus including carriage of materials within all leads and lifts	4.00	No			Each
21	Providing and Supplying Brass Ball Cock For High Pressure only Hindon Make size 15mm including carriage of materials within all leads and lifts	11.00	No			Each
22	Providing and Supplying PVC Connection Hot&Cold Size 15*450mm including carriage of materials within all leads and lifts	37.00	No			Each
23	Providing and Supplying PVC Connection Hot&Cold Size 15*600mm including carriage of materials within all leads and lifts	33.00	No			Each
24	Providing and Supplying CP Sink Waste For Size Sink Size 110mm*32mm including carriage of materials within all leads and lifts	24.00	No			Each
25	Providing and Supplying CP Soap Dispenser Large Size 500ml Heavy Duty including carriage of materials within all leads and lifts	16.00	No			Each
26	Providing and Supplying Ball Cock With Float Ball & ROD Complete Size 15mm Dia including carriage of materials within all leads and lifts	21.00	no			Each
27	Providing and Supplying Ball Gate Valve With PVC Lever Hundle Size 15mm Dia including carriage of materials within all leads and lifts	30.00	No			Each
28	Providing and Supplying Brass Bib Cock And Stop Cock 15mm Medium duty Glass Pan 4mm Thick including carriage of materials within all leads and lifts	24.00	no			Each
29	Providing and Supplying GI Pipe 15mm*20"Long B-Class ISI Marked Heavy Duty including carriage of materials within all leads and lifts	72.00	R/mtrs			per/R mtrs
30	Providing and Supplying GI Elbow 15mm Medium Duty including carriage of materials within all leads and lifts	47.00	no			Each
31	Providing and Supplying GI Tee 15mm Medium Duty including carriage of materials within all leads and lifts	32.00	no			Each
32	Providing and Supplying GI Socket 15mm Medium Duty including carriage of materials within all leads and lifts	47.00	No			Each
33	Providing and Supplying G.I Union 15mm Dia Medium Duty including carriage of materials within all leads and lifts	55.00	No			Each
34	Providing and Supplying Glass Pans Thick 4mm including carriage of materials within all leads and lifts	276.00	Sqft			per/sqft
35	Providing and Supplying Water Storage Tank 3 Layers White Coloured Heavy Duty including carriage of materials within all leads and lifts	550.00	No			Each
36	Providing and Supplying Wire Mess Fly Proof 144 Gauge including carriage of materials within all leads and lifts	150.00	Sqft			per/sqft
37	Providing and Supplying PVC Kit for Single Seat / One Piece Set Complete Kit Only including carriage of materials within all leads and lifts	3.00	no			Each
38	Providing and Supplying PVC Cistern Complete with All Internal Fittings 10LTRS Capacity including carriage of materials within all leads and lifts	11.00	No			Each
39	Providing and Supplying CP Brass Wash Basin Mixer Complete 15mm (Ovel)with Leggs Heavy duty including carriage of materials within all leads and lifts	7.00	No			Each
40	Providing and Supplying CP Brass Sink Mixer Complete 15mm (Ovel) with Leggs Heavy Duty including carriage of materials within all leads and lifts	5.00	No			Each
41	Providing and Supplying CP Brass Wall Mixer Complete 15mm Dia with Leggs Sikko Deluxe or Equivalent including carriage of materials within all leads and lifts	3.00	No			Each
42	Providing and Supplying Brass Spandle For ESS-ESS Make Bib Cock Only Size 20mm including carriage of materials within all leads and lifts	12.00	No			Each
43	Providing and Supplying Hydraulic Door Closer Florical or Equivalent Heavy Duty including carriage of materials within all leads and lifts	21.00	No			Each

44	Providing and Supplying Acrylic Corner Bath Set 3pcs*8mm Thick Heavy Duty Small Size Including carriage of materials within all leads and lifts	3.00	set			Each
45	Providing and Supplying Leak Stop Superior Including Carriage Of Materials within all leads and lifts	14.00	kg			per/kg
46	Providing and Supplying CP Lath Lock with Pair of Handle 6 Layer for Door Razor Equivalent Including Carriage of Material within all leads and lifts	5.00	no			Each
47	Providing and Supplying CP Pedestal Duster with Peddal & Covered 12 ltrs Capacity Heavy Duty Including Carriage of material within all leads and lifts	4.00	no			Each
48	Providing and Supplying Poly Carbonate Sheet 2mm Transparent 10*3 Including Carriage of Material within all leads and lifts	60.00	Sqft			Each/sqft
49	Providing and Supplying C.P.V.C Pipe 20mm Dia *10"Long Including Carriage of Material within All leads and lifts	12.00	No			Each
50	Providing and Supplying C.P.V.C Elbow 20mm Dia Including Carriage of Material within all leads and lifts	30.00	no			Each
51	Providing and Supplying C.p.v.c Union 20mm Dia including Carriage of Material within All leads and lifts	14.00	no			Each
52	Providing and Supplying C.p.v.c Solution 500mg including Carriage of Material within All leads and lifts	3.00	No			Each
53	Providing and Supplying C.P.V.C female Brass Elbow 20mm Including Carriage of Material within All leads and lifts	16.00	No			Each
54	Providing and Supplying Helical Door Spring GP/YEN including Carriage of Materials Within all leads and lifts	9.00	No			Each
<b>Conditions:-</b>						<b>Total</b>

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.

SCHEDULE OF QUANTITY

47

Estimated Cost Rs. 450316.00

Earnest Money Rs. 9090.00

Time:- one month.

Name of Work:- Improvement of road from cart road to Annadale road Km 0/00 to RD 4/160. (SH:- Construction of P.C.C retaining wall at RD 3/175 to 3/180.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	21.00	Cum.			Per cubic metre.	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	41.80	Cum.			Per cubic metre.	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size).	3.30	Cum.			Per cubic metre.	
4	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor all level, excluding the cost of centering, shuttering and finishing :1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	63.95	Cum			Per cubic metre	
5	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. complete.including carriage of materials within all leads and lifts.including carriage of materials all leads and lifts as per direction of Engineer- in - Charge.	50.40	Rmtr			Per running metre	
6	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	12.00	Cum			Per cubic metre	
7	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	26.75	Rmtr			Per running metre	



8	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	18.00	Cum			Per cubic metre
9	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	44.66	Cum			Per cubic metre
						Total
Rates should be quoted for all heights including all leads and lifts for internal and external works.						
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.						

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*[Signature]*

**SCHEDULE OF QUANTITY**


48

Estimated Cost 297408.00  
Earnest Money 5950.00  
Time:- one month.

Name of work:-S/R to Various residential buildings under division no III Shimla. (SH:-Providing and Fixing PGI sheet ceiling, Repair of flooring etc in C- 5 at OLD MLA QTRS at Boileauganj Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	57.58 Sqm			Per Square metre.	
2	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. complete. Including carriage of materials within all leads and lifts.:- Rae wood/chill wood	0.57 Cum			Per cubic metre	
3	Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.	161.49 Rmtr			Per running metre.	
4	Providing and fixing wooden moulded 50mmx50mm corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class d/dar wood.	69.16 Rmtr			Per running metre.	
5	Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining 1/2 mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.	45.04 Sqm			Per Square metre.	
6	1.5 mm thick pvc/rubber tiles flooring of approved brand and manufacture plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	45.04 Sqm			Per Square metre.	
7	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	8.11 Sqm			Per Square metre.	
8	Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts	23.93 Sqm			Per Square metre.	
9	Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts	10.29 Sqm			Per Square metre.	
10	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	18.51 Sqm			Per Square metre.	

11	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	30.42	Rmt			Per running metre.	
12	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.	28.00	No.			Each	
13	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials within all leads and lifts. 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood.	4.40	Sqm			Per Square metre.	
Rates should be quoted for all heights including all leads and lifts for internal and external works.						Total	
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.							

  
 Executive Engineer,  
 Shimla Division No. III,  
 HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

(49)

Estimated cost:- 272489.00

Earnest Money:- 5450.00

Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Renovation of Room No.3 & 4 ,Balcony repair, repair of store room in set no 11 Block-B Type V Qtrs at Richmond Shimla)

SI. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	1.09 cum			Per cubic metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :including carriage of materials within all leads and lifts.Of area 3 sq. metres and below	2.00 No			Each	
3	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. including carriage of materials within all leads and lifts.	18.84 Sqm.			Per square metre.	
4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	60.04 Sqm.			Per square metre.	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	0.76 cum			Per cubic metre	
6	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).2nd class Deodar wood .	0.069 cum			Per cubic metre	
7	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Second class deodar wood.	0.321 cum			Per cubic metre	
8	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood	0.051 cum			Per cubic metre	
9	Providing and fixing Chicken/ monkey mesh dhajji wall including carriage of material in all leads and lift complete as per direction of Engineer-in -Charge.	22.790 Sqm.			Per square metre.	
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	1.840 Sqm.			Per square metre.	

11	Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.	12.450	Sqm.			Per square metre.	
12	Providing and fixing 12 mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	12.890	Sqm.			Per square metre.	
13	Providing and fixing 12mm thick imported pine wood ceiling/ panneling with tongued and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of material within all leads and lifts.	12.890	Sqm.			Per square metre.	
14	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood 35 mm thick shutters	2.340	Sqm.			Per square metre.	
15	Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.	28.200	Rmtr			Per running metre.	
16	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	38.200	Rmtr			Per running metre.	
17	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	5.880	Sqm.			Per square metre.	
18	Providing and fixing Stainless steel sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 250x16 mm	1.00	No			Each	
19	Providing and fixing Aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : 150x10 mm	4.00	No			Each	
20	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125mm.	3.00	No			Each	
21	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	5.88	Sqm.			Per square metre.	

22	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.	6.30	Sqm.				Per square metre.	
23	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	1.030	Sqm.				Per square metre.	
24	Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x450mm..	19.690	Sqm.				Per square metre.	
25	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.	90.480	Sqm.				Per square metre.	
26	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler (Two or more coat on new wood)	14.180	Sqm.				Per square metre.	
27	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	23.51	Sqm.				Per square metre.	
28	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	94.30	Sqm.				Per square metre.	
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	13.86	Sqm.				Per square metre.	
30	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	13.86	Sqm.				Per square metre.	
31	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : new work (Two or more coats) over and including water thinnable priming coat with cement primer	70.79	No					Each



32	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	47.02	No			Each	
33	Painting wood work with Deluxe Multi Surface Paint to give an even shade. one or more coat sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	156.43	Sqm.			Per square metre.	
34	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No			Each	
35	Providing and fixing vitreous china wash basin of size 550x400mm with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:	1.00	No			Each	
36	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.including carriage of materials within all leads and lifts.	1.000	No			Each	
37	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureka type W.C. of quality and make as approved by Engineer - in - charge.	1.000	No			Each	
38	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :-Solid Type :- White solid plastic seat with lid.	1.000	No			Each	
39	Providing and fixing C.P Brass Single lever telephonic wall mixer with with top / bottom swinging spout of approved quality including carriage of materials within all leads and lifts.	1.000	No			Each	
40	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts. including carriage of materials within all leads and lifts	1.000	No			Each	
41	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	2.000	No			Each	
42	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No			Each	
43	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts	1.00	No			Each	
44	Providing and fixing RSTS102 Hand shower with 1.5 m flexible hose and hook including carriage of materials within all leads and lifts Cat No RSTS 102	1.00	No			Each	

45	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore. External work	12.20	Rmtr			Per running metre.	
46	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.	4.00	No			Each	
47	Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	2.00	No			Each	
48	Providing and fixing 600mm X 20mm size Ess Ess make Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts.	1.00	No			Each	
49	Providing and fixing Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	1.00	No			Each	
50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore. including carriage of materials within all leads and lifts.	1.00	No			Each	
51	Providing and fixing 15 mm dia CP Brass stop Cock of approved quality and make including complete in all respect.	6.00	No			Each	
52	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	7.00	No			Each	
53	Providing and fixing C.P. wall flange/ Cap 15mm nominal bore with fittings including carriage of materials within all leads and lifts.	7.00	No			Each	
54	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90mm.Providing and fixing PVC floor trap 110 X 90 mm dia size complete.	2.00	No			Each	
55	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	18.30	Rmtr			Per running metre.	
56	Providing and fixing Accessories for PVC finolex pipe Type B ISI marked including fixing with approved adhesive etc. (i) Plain Bend complete including carriage of materials within all leads and lifts:-110mm dia	4.00	No			Each	
	(ii) Providing and fixing Finolex Type B PVC plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	3.00	No			Each	

	(iii) Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia.	15.00	No			Each	
57	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1.99	cum			Per cubic metre	
						Total	

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003



SCHEDULE OF QUANTITY

53

Estimated Cost Rs. :- 497175.00

Earnest Money Rs. :- 9950.00

Time:- One Month.

Name of work: - Special Repair to Armsdale Main Building at HP Secretariat Shimla-2. (SH:- Providing and fixing 12mm thick ply in conference hall of Armsdale building.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling / flooring / cup-board and wall lining etc. including mitring at junctions, butt jointing and nails etc.complete (Frame work for base to be measured & paid for separately) including carriage of materials within all leads and lifts.	473.50	Rmt	Per running metre	
Conditions:-					Total

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.

**SCHEDULE OF QUANTITY**

51

Estimated Cost Rs. :- 208248.00

Earnest Money Rs. :- 4170.00

Time:- One Month.

**Name of work: - A/R M/O to Residential Building Under Shimla Division No.III)(SH:- Providing and Fixing Almirah for Displaying mementos at Main Entrance , Cuipboard in Type-II , Set No.7 and 8, Notice Board in Dining Hall and Steel Stand for Water Tanks in Graden area at Raj Bhawan Shimla-2)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figuers	In words		
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second Class Teak wood	0.075	Cum			Per Cubic Metre	
2	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	12.58	Sqm.			Per Square Metre	
3	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	4.82	Sqm.			Per Square Metre	
4	Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be mearured and paid for separately.	20.29	Sqm.			Per Square Metre	
5	Providing and fixing 4mm thick teak ply conforming to ISI in plain lining/panelling/under floors with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	22.65	Sqm.			Per Square Metre	
6	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	10.25	Sqm.			Per Square Metre	
7	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.(i) Second class teak wood (a) 35mm Thick Shutters	7.28	Sqm.			Per Square Metre	
8	Providing and Fixing 10mm thick glass shelf fixing with steel brackets and necessary accessories etc, complete as per direction of engineer -in- Charge including carriage of material with in all leads and lifts	2.35	Sqm.			Per Square Metre	
9	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5 mm thick glass panes.	2.076	Sqm			Per Square Metre	
10	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.(i) 40x40mm	12.84	Rmt			Per Running Metre	

10.1	(i) Teak wood Beading 20x20mm	39.24	Rmt			Per Running Metre	
10.12	(i) Teak wood Beading 19x6mm	19.73	Rmt			Per Running Metre	
1	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : (i) 75x47x1.80 mm	32.00	No.			Each	
2	Providing and fixing bright finished brass handles with screws etc. complete: including carriage of materials within all leads and lifts. (i) 125 mm	22.00	No			Each	
3	Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.	23.00	No			Each	
4	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts. (i) 100x10 mm	6.00	No			Each	
5	Providing and fixing 75mm size special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete including carriage of materials in all leads and lifts.	5.00	No.			Each	
6	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod. including carriage of materials within all leads and lifts	4.80	Rmt.			Per Running Metre	
7	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	300.84	Kg			Per Kilogramme	
8	Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.	37.21	Sqm.			Per square metre	
9	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	31.16	Sqm.			Per Square Metre	
10	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade Tow or more coats on New work including carriage of materials in all leads and lifts.	138.29	Sqm			Per Square Metre	
<b>Conditions:-</b>							
						<b>Total</b>	

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

(52)

Estimated cost: 342002.00

Earnest Money: 8840.00

Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:-Repair of roof and chajja set no 1 in block No-1 type-IV at Richmond Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1320.00 Kg.			Per Kilogramme	
2	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	58.80 Sqm			Per square metre.	
3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than	74.12 Sqm			Per square metre.	
4	Providing and fixing polycarbonatd transparent sheet 2.0 mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpe and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	27.45 Sqm			Per square metre	
					<b>Total</b>	

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

*[Signature]*

SCHEDULE OF QUANTITY

53

Estimated cost:-  
Earnest Money:-  
Time :-

376251.00  
7550.00  
One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards in block No. 35B/1, 4, 5, 35/1 TF & J-II/104 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	37.41 Sqm.			Per square metre.	
2	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	111.38 Sqm.			Per square metre.	
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	91.91 Sqm.			Per square metre.	
4	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	43.37 Sqm			Per square meter	
5	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	265.67 Rmt.			Per running metre.	
6	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	86.00 No.			Each	
7	Providing and fixing chromium plated brass handles with necessary screws etc. complete 100 mm including carriage of materials within all leads and lifts.	97.00 No.			Each	
8	Providing and fixing sliding channels with roller of required size of standard quality with necessary screws/nails etc complete including carriage of materials within all leads and lifts.	1.00 Set			Per Set	
9	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre including carriage of materials within all leads and lifts.	215.92 Sqm			Per square meter	
10	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	215.92 Sqm			Per square meter	
CONDITION:-						Total:-

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should conform to bureau of Indian standards.

Executive Engineer  
Shimla Division No. III  
HP.PWD.Shimla-17003

**SCHEDULE OF QUANTITY**

54

Estimated Cost Rs. :- 219148.00

Earnest Money Rs. :- 4390.00

Time:- One Month.

**Name of work: -A/R & M/O to Various Residential Building under shimla Division No.III (SH:- providing and Laying Floor and Wall tiles, PGI. Sheet Ceiling, Cup Board, Partition Wall , Painting and Distempering etc in Set No.3 Ground Floor of Attorney Cottage at Barnes court Shimla-2)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (l/c equivalent design mix)including carriage of materials within all leads and lifts.	0.90	Cum			Per Cubic Metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	1.00	No.			Each	
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	19.19	Sqm			Per Square Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	0.49	Cum			Per Cubic Metre	
5	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second Class Deodar wood	0.012	Cum			Per Cubic Metre	
6	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :(i) Ral wood/Kail wood/Chil Wood	0.200	Cum.			Per Cubic Metre	
7	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 40mm Thick Shutters	1.71	Sqm.			Per Square Metre	
8	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters	1.71	Sqm.			Per Square Metre	
9	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	2.00	No			Each	
10	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	4.00	No			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	4.00	No			Each	



12	Providing and fixing 9mm thick commercial ply wood ceiling / plain lining of approved quality with necessary screws, nuts & bolts, nails etc complete including carriage of materials within all leads and lifts.	20.70	Sqm			Per Square Metre	
13	Providing and fixing 6mm thick ply wood lining with butt jointing and nails(frame work and cover fillets to be measured and paid for separately.	8.42	Sqm.			Per Square Metre	
14	Providing and fixing 19mm thick Commercial Board shutters for Cup boards i/c fixing with nickel plated piano hinges with screws etc complete including carriage of materials in all leads and lifts.	10.49	Sqm.			Per Square Metre	
15	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	25.71	Sqm.			Per Square Metre	
16	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	13.49	Sqm.			Per Square Metre	
17	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm	26.00	No			Each	
18	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	13.00	No			Each	
19	Providing and fixing 0.63 mm thick PGI. Sheet in lining/ceiling with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	15.67	Sqm.			Per Square Metre	
20	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	77.55	Rmt.			Per Running Metre	
21	Providing and fixing Plain Square edged cover fillets Beading/ Moulding 40x12mm thick in section including fixing with necessary nails and screws etc. Complete(i) Second Class Deodar wood	60.60	Rmt			Per Running Metre	
22	15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand)including carriage of materials within all leads and lifts	19.19	Sqm			Per Square Metre	
23	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	1.68	Sqm			Per square meter	
24	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mmx8mm	14.69	Sqm			Per square meter	
25	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mmx8mm	0.87	Sqm			Per square meter	

26	White glazed tiles 6mm thick of approved size, shade, design and quality in skirting risers of steps and dado 12mm (Twelve milimetre) thick cement mortar 1:3 (One cement is to Three Sand) and jointed with cement slurry including carriage of materials within all leads and lifts.	10.92	Sqm.			Per square meter	
27	Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	7.98	Sqm			Per Square Metre	
28	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	99.02	Sqm			Per Square Metre	
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	7.97	Sqm.			Per Square Metre	
30	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	91.88	Sqm.			Per Square Metre	
31	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.including Priming coat with distemper primer.including carriage of materials within all leads and lifts.	7.13	Sqm.			Per square metre.	
32	Distempering with 1st quality acrylic distember (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	7.98	Sqm			Per square meter.	
33	Painting with synthetic enamel paint on previously painted wood surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	5.08	Sqm			Per Square Metre	
34	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:(i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1.00	No			Each	
35	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(i) Internal work - Exposed on wall (a) 15 mm dia nominal bore	6.10	Rmt			Per Running Metre	
36	Providing and fixing uplasticised PVC connection pipe with brass unions :(a) 45 CM.long (i) 15 mm nonal Diametre	1.00	No			Each	
37	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Euroopean type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.	1.00	No.			Each	
38	Providing and Fixing Plastic seat and Cover with necessary fitting (i) Solid type White plastic seat and Cover	1.00	No.			Each	
39	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) (i) 15 mm Nominal Bore	1.00	No			Each	
40	Providing and fixing CP. brass Angle cock of approved quality :(i) 15 mm Nominal Bore	2.00	No			Each	
41	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	3.00	No			Each	

42	Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.	3.00	No			Each	
43	Providing and fixing C.P. grating of approved quality and colour.(i) Circular type 100 mm nominal dia	1.00	No			Each	
44	Providing and fixing PVC floor trap 100 X 75 mm dia size complete.including carriage of materials within all leads and lifts	1.00	No			Each	
45	Providing and fixing 75mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 75mm PVC Finolex Pipe	9.15	Rmt.			Per Running Metre	
46	Providing and fixing 75 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size	2.00	No.			Each	
47	Providing and fixing PVC (Finolex) plain tee with ISI marked complete including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts. (i) 75mm nominal size.	2.00	No.			Each	
48	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	5.00	No			Each	
49	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	1.28	Cum			Per Cubic Metre	
<b>Conditions:-</b>						<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3



**SCHEDULE OF QUANTITY**



Estimated 100185.00  
Earnest 2000.00

Time:- one Month

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Providing and Fixing polycarbonate sheet , painting and Distempering In Block D-2 in Block C New MLA Hostel at Vidhan Sabha Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit	Amount.
				In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	125.46	Sqm			Per square metre	
2	Providing and fixing polycarbonate transparent sheet 3.0 mm thick in roofing with galvanised Jor I hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories asrequired in all leads and lifts as per direction of Engineer-in-charge.	20.19	Sqm			Per square metre	
3	Providing and fixing vitreous China wash down water closet (European type W.C. pan) universal star white complete set with intergal P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (seat and cover to be measured and paid for separately) including carriage of materials within all leads and lifts:- Hindware catalogue No. 20012.	1.00	No.			Each	
4	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including carriage of materials within all leads and lifts.10 litre capacity - White.	1.00	No.			Each	
5	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	1.00	No.			Each	
6	Providing and fixing 45cm length uplasticised PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.	1.00	No			Each	
7	Removing dry or oil bound distemper texture water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.	119.49	Sqm			Per square metre.	
8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	119.49	Sqm			Per square metre	
9	Wall painting with Plastic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour two or more coats.	120.49	Sqm			Per square metre	
10	Painting wood work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.	200.00	Sqm			Per square metre	
						Total	
Condition:-							
Rates should be quoted for all heights including all leads and lifts for internal and external works.				Draft schedule of quantity No. For the year 2022-23 duly approved for Rs 100185/- only.			
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.							

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

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SCHEDULE OF QUANTITY

56

Estimated Cost Rs. :- 151416.00

Earnest Money Rs. :- 3030.00

Time:- One Month.

Name of work: -Special repair to Armsdale Building at HP Secretariat Shimla. (SH:-Providing and fixing rack and repair of tables etc.in Room No.Y-201 including other minor repair work.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelve / box for cupboard with butt joints and fixing with nails and screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	29.88 Sqm			Per square metre	
2	Providing and fixing 19mm thick commercial board in Shutter for cupboard etc. including fixing with nickel plated piano Hinges with screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	5.40 Sqm			Per square metre	
3	Providing and fixing 1.00mm thick coloured or plain high gloss lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	70.56 Sqm			Per Square metre	
4	Polishing two or more coats with malamine polish of required shade on wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler complete including carriage of materials in all leads and lifts.	85.24 Sqm			Per square metre.	
5	Providing and fixing 15mm dia single lever basin mixer with out popup waste with 450mm long braided hoses including connection fitting in all respect complete including carriage of materials within all leads and lifts:- Jaquar cat No. ORP-CHP-10011BPM.	2.00 No.			Each	
Conditions:-						Total

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division No.III  
HP/PWD, Shimla-3.

# SCHEDULE OF QUANTITY

57

Estimated Cost Rs. :- 361949.00

Earnest Money Rs. :- 7240.00

Time:- One Month.

Name of work: - A/R & M/O to Residential building Block(A), type-1 at Correstophen Estate Lakkar Bazar Shimla (SH:- Providing plinth protection , CC. Drain and Finishing work etc. Complete )

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.(i) All kinds of soil	7.78	Cum			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete within carriage of material in all leads and lifts.	4.69	Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	24.70	Sqm			Per square meter	
4	Providing and fixing insulating board ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) :(i) Natural colour insulating board (a) 12 mm thick	20.10	Sqm			Per square meter	
5	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :(i) Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading	11.55	Sqm			Per square meter	
6	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.(i) With cement mortar 1:4 (1cement: 4 coarse sand)	273.52	Sqm			Per square meter	
7	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts	273.52	Sqm			Per Square Metre	
8	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work ( Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	602.13	Sqm.			Per square meter	
9	Distempering with 1st quality acrylic distember (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	182.45	Sqm			Per Square Metre	



10	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Wod Based Surfaces : (i) One or more coats on old work	658.78	Sqm			Per Square Metre	
11	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	313.83	Sqm.			Per Square Metre	
12	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	587.35	Sqm			Per Square Metre	
13	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	84.84	Sqm			Per Square Metre	
14	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) including carriage of materials within all leads and lifts.	2.23	Cum			Per Cubic Metre	
15	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	164.12	Sqm			Per Square Metre	
16	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	11.06	Cum			Per Cubic Metre	
<b>Conditions:-</b>							
						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP/PWD. Shimla-3.

**SCHEDULE OF QUANTITY**



Estimated Cost Rs. :- 358876.00

Earnest Money Rs. :- 7180.00

Time:- One Month.

**Name of work: - A/R M/O to Residential Building Under Shimla Division No.III)(SH:- Painting and Distempering in Tushar Room, Wating room with general toilet and OSD Office , P/F pine wood Panelling , Almirah and polishing etc. in OSD office , Seceretary to Governor's office at Raj Bhawan Shimla-2)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately). including carriage of materials within all leads and lifts.(i) 12mm thick commercial ply conforming to IS : 1328 BWR type	23.17 Sqm.			Per Square Metre	
2	Providing and fixing 12 mm thick pine wood 1st class imported in ceiling/lining/panelling with tounge and grooved jointing of standard quality ISI mark and approved shade and colour complete (frame work to be paid seperately) including carriage of materials in all leads and lifts.	15.56 Sqm			Per square meter	
3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts in second class deodar wood.	0.056 Cum			Per Cubic Metre	
4	Providing and fixing 4mm thick teak ply conforming to ISI in plain lining/panelling/under floors with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	9.02 Sqm.			Per Square Metre	
5	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.(i) 75x12mm	50.39 Rmt			Per Running Metre	
5.1	(i) Teak wood Beading 25x25mm	63.76 Rmt			Per Running Metre	
6	Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be measured and paid for separately.	7.00 Sqm.			Per Square Metre	
7	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	48.64 Sqm.			Per Square Metre	
8	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	4.51 Sqm.			Per Square Metre	
9	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	39.28 Sqm.			Per Square Metre	

10	Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	273.54	Sqm			Per Square Metre	
11	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	273.54	Sqm			Per Square Metre	
12	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: (i) One or more coats on old work	273.54	Sqm			Per Square Metre	
13	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content (I) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	51.55	Sqm.			Per Square Metre	
14	Painting with synthetic enamel paint on New wood or steel surface of approved brand and manufacture of required colour to give an even shade Tow or more coats on New work including carriage of materials in all leads and lifts.	51.55	Sqm			Per Square Metre	
15	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials in all leads and lifts.	210.33	Sqm			Per Square Metre	
16	Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.	151.77	Sqm.			Per square metre	
17	Providing and fixing ESS Ess curtain rod 25mm dia with brackets, end firmels and screws etc. complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	28.20	Rmt			Per Running Metre	
18	Providing and fixing bright finished brass handles with screws etc. complete: including carriage of materials within all leads and lifts. (i) 125 mm	8.00	No			Each	
19	Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.	8.00	No			Each	
20	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5 mm thick glass panes.	10.60	Sqm			Per Square Metre	
21	Removing of old Brocken Glass panes and removing of Old Putty from door and window shutters as per direction of Engineer -in - charge and disposal of all broken glass with in all leads amd lifts .	1075.20	Rmt			Per Running Metre	
<b>Conditions:-</b>							
						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

59

Estimated Cost Rs. :- 479674.00

Earnest Money Rs. :- 9600.00

Time:- One Month.

Name of work: - A/R and M/O Arnsdale Building at HP Secretrait Shimla. (SH:-Providing and fixing Pine wood panelling aluminium doors/windows and painting/polishing etc. in room No.Y-101.)

Sl. No.	Items of work	Quantity	Rate		Unit.	
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	2.72 Cum			Per cubic metre.	
2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to all floor level in all shapes and sizes in Cement mortar 1:5 (1 cement : 5coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	1.12 Cum			Per cubic metre.	
3	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	11.07 Sqm.			Per square metre.	
4	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	13.90 Sqm			Per square metre.	
5	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.including fixing complete with carriage of material within all leads and lifts as per the direction of the Engineer-in-Charge:-Sal wood.	0.46 Cum			Per cubic metre.	
6	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) 12mm thick commercial ply conforming to IS : 1328 BWR type including carriage of material within all leads and lifts.	55.15 Rmt.			Per running metre.	
7	Providing and fixing 12 mm thick Pine Wood wood of approved quality Tongued and Grooved in lining / ceiling with butt jointing and nails etc.(frame work and cover fillets to be paid for separately) complete including carriage of materials within all leads and lifts.	55.15 Sqm			Per square metre.	
8	Providing and fixing 50mm x 50mm in first class teak wood corner i/c mitring the junctions with hard screws and nails complete including carriage of materials in all lead and lifts.	69.20 Rmt.			Per running metre.	
9	Providing and fixing 19mm thick commercial Board shutters for Cup boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts.	6.60 Sqm			Per square metre.	
10	Providing and fixing veneered decorative plywood lining with decorative surface on one face with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) 4mm thick ply-3ply complete including carriage of materials within all leads and lifts.	6.60 Sqm			Per square metre.	

11	Providing and fixing anodised aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, straight, mitred and jointed mechanically where ever required including cleats angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws as per Architectural drawings and as per HP, PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge:- (i) For doors windows and ventilators and glazed partitions frames etc.	38.66	Kgs			Per Kilogramme.
(ii)	For shutters of doors windows and ventilators including providing and fixing hinges/ pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/ panelling shall be paid for separately).	43.77	Kgs			Per Kilogramme
12	Providing and fixing ACP sheet 3mm thick panel in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In-charge (cost of aluminium snap beading shall be paid in basic item.) including carriage of materials within all leads and lifts.	1.80	Sqm			Per Square metre
13	Providing and fixing glazing in Powder coated aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In-charge (cost of aluminium snap beading shall be paid in basic item.):- Glazing with glass panes of 5.50mm thickness (weight not less than 13.75 kg/ sqm including carriage of materials within all leads and lifts.	3.09	Sqm			Per square metre
14	Polishing one or more coats with malamine polish of required shade on polish based wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler complete including carriage of materials in all leads and lifts.	469.15	Sqm			Per square metre
15	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete.in all leads and lifts including carriage of material and as per the direction of the Engineer-in-Charge.	76.55	Sqm			Per square metre
16	Distemping two or more coats. with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour complete as per manufacturer's specification including carriage of materials within all leads and lifts.	76.55	Sqm.			Per Square metre
17	Providing and fixing 100mm size bright finished brass handles with necessary screws etc. complete including carriage of materials in all leads and lifts.	6.00	No.			Each
18	Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	1.00	No.			Each
19	Providing and fixing 200mm x10mm size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	10.00	No.			Each
20	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including carriage of materials within all leads and lifts.	2.00	No.			Each

21	Providing and fixing looking mirror of different size with frame (superior quality) including backing support and framing with screws etc. at site as directed by the Engineer-in-Charge complete including carriage of materials within all leads and lifts.	0.90	Sqm				Per Square metre	
22	Providing and fixing 600mm X 20mm size C.P. Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:-ESS ESS Trend series AC-101.	2.00	No.				Each	
23	Providing and fixing 500ml soap dispenser with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge.	2.00	No.				Each	
24	Providing and fixing 600mm X120mm Acrylic shelf with C.P. guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts :- ESS ESS Trend series AC-607.	2.00	No.				Each	
25	Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of approved. make, plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	32.40	Sqm				Per square metre	
26	Disposal of earth / moorum / malba / building rubbish / similar un-surviceable dismantalled or waste materials by mechanical means including sorting out useful and un- useful material and transportation of the un-useful material for disposing at approved dumping site or otherwise and including payment of prescribed charges of dumping to the owner of dumping site (to be arranged by the contractor) for the satisfaction of Engineer- in - Charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and other incidentals necessary to complete the work by mechanical means and labour (if required) including disposal of all surplus un-useful materials at approved dumping site including all leads and lifts.	2.72	Cum				Per cubic metre	
<b>Conditions:-</b>							<b>Total</b>	

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

60

Estimated Cost Rs. :- 186386.00

Earnest Money Rs. :- 3730.00

Time:- One Month

Name of work: -Special Repair to Armsdale Building at HP Secretariat Shimla-2. (SH: -cleaning of water storage tanks, grinding of kota stone and other minor repair etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Cleaning of water storage tank by manually removing sluge from water tank and than cleaning it with fresh water cleaning complete and finally wiping it with dry cloth and disposal of sluge from site of work to approved dumping site complete including carriage of materials within all leads and lifts as per direction of the Engineer-in-charge:- (i) 1000 liters capacity PVC water storage tank.	38.00 No.			Each	
(ii)	500 liters capacity PVC water storage tank.	13.00 No.			Each	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	497.30 Kg.			Per kilogramme	
3	Kota stone slab flooring 20mm (average) thick base of cement mortar 1:4 (1 cement :4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete in all heights including carriage of materials in all leads and lifts and as per direction of Engineer-in-charge.	7.20 Sqm			Per square metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:-1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size)	3.70 Cum			Per cubic metre	
5	Rubbing/grinding/polishing of kota stone flooring complete with all required equipments and materials in all heights including carriage of materials in all leads and lifts and as per direction of Engineer-in-charge.	570.05 Sqm			Per square metre	
<b>Conditions:-</b>						
					<b>Total</b>	

i) Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii) Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
H.P.W.D. Shimla-3.

**SCHEDULE OF QUANTITY**

(61)

Estimated cost:-

469339.00

Earnest Money:-

9400.00

Time :-

One Month

Name of work:-Special repair to DDU hospital building at Shimla (SH:-Repair of damaged Circular Up-stairs in front of OPD block & PVC flooring in Eye & Special ward of Old building) at DDU hospital Shimla).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing wood work in frames of doors, windows, clerestory, windows and other frames in circular or curved work wrought, framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	3.320 Cum			Per cubic meter	
2	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	139.35 Sqm.			Per square metre	
3	Painting on wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	358.11 Sqm			Per square meter	
<b>CONDITION:-</b>						<b>Total:-</b>

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer- in- charge before use.

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

*Executive Engineer*  
Shimla Division NO. 11  
HP.PWD.Shimla-117003

756

SCHEDULE OF QUANTITY

62

Estimated Cost Rs. :- 497806.00

Earnest Money Rs. :- 9960.00

Time:- One Month.

Name of work: -A/R and M/O Armsdale Building at HP Secretariat Shimla-2. (SH: -Providing and fixing polycarbonate and CGI sheets and other misc. repair works etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.50m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.50m, including getting out the excavated soil and disposal of surplus excavated soil including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:- All kinds of soil.	12.20 Cum			Per cubic metre	
2	Providing and fixing polycarbonate transparent sheet 6.00mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carriage of material within all leads and lifts.	59.20 Sqm			Per square metre	
3	Providing corrugated G.S. sheet roofing 0.63mm thick including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, or self drilling screws including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:- (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	68.90 Sqm			Per square metre	
4	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	1.90 Sqm			Per square metre	
5	Providing and fixing 19mm thick commercial board in shelves / box for cupboard with butt joints and fixing with nails and screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	11.40 Sqm			Per square metre	
6	Providing and fixing 19mm thick commercial board in Shutter for cupboard etc. including fixing with nickel plated piano Hinges with screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	6.20 Sqm			Per square metre	
7	Providing and fixing 1.00mm thick coloured or plain high gloss lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	35.20 Sqm			Per Square metre	
8	Providing and fixing 4.00mm thick teak ply of standard quality ISI mark and approved shade and colour in lining including fixing with nails, screws etc. complete including carriage of material within all leads and lifts as per the direction of Engineer-in-charge.	3.90 Sqm			Per Square metre	
9	Providing and fixing fancy type Curtain rod 25mm dia and 1.66mm thick (confirming to bureau of Indian standard) in single/ specified length with out any joint and fitting complete as per H.P.P.W.D. specifications in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	155.00 Rmt.			Per Running metre	
10	Providing and fixing brackets for Curtain with screws etc. complete including carriage of materials in all leads and lifts.	100.00 No.			Each	
11	Providing and fixing drawer lock of superior quality fitting complete including carriage of materials in all leads and lifts.	5.00 No.			Each	
12	Providing and fixing bright finished brass 100mm Mortice latch and lock and a pair of levers, handles with necessary screws etc. complete (indian make of approved quality) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. Godrej No. 6757.	4.00 No.			Each	
13	Providing and fixing bright finished hydraulic door closer of superior class (confirming to bureau of Indian Standards) Godrej make with screws etc. complete including carriage of materials in all leads and lifts.	5.00 No.			Each	



14	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary:- Plain Glass 5mm thick complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	4.30	Sqm			Per square metre
15	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	315.00	Kg.			Per kilogramme
16	Providing and fixing vitreous China wash down water closet (European type W.C. pan) with intergal P or S trap along with seat cover including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) including carriage of materials within all leads and lifts :- Complete set of Hindware closet cat No. 92089 (P-18) of size 72cm X 37cm X 72cm including carriage of materials within all leads and lifts.	1.00	No.			Each
17	Providing and fixing 15mm dia single lever basin mixer with out popup waste with 450mm long braided hoses including connection fitting in all respect complete including carriage of materials within all leads and lifts:- Jaquar cat No. ORP-CHR-10011BPM.	4.00	No.			Each
18	Laying of RCC culvert 450mm dia complete placing in position including fitting etc. including carriage of material within all leads and lifts as per the direction of Engineer-in-charge.	5.00	Rmt			Per Running metre
19	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:- (i) Inside size 90cm x 80cm and 45cm deep including C.I. cover with frame (light duty) 455mm x 610mm internal dimensions, total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 complete including carriage of materials within all leads and lifts.	2.00	No.			Each
<b>Conditions:-</b>						<b>Total</b>

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division No.III  
HP EWD. Shimla-3.

SCHEDULE OF QUANTITY

Estimated Cost Rs. - 400110.00  
Earnest Money Rs. - 8010.00  
Time - One Month


Name of work: - A/R and M/O Ellerslie and Armsdale Building at HP Secretrait Shimla. (SH:-Re-aligning of water supply pipe line from Chowk near Governor Rest House 0/792 to 1/188

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Dismantling G.I pipes (external work) including excavation and refilling trenches after taking out the pipes manually/ by mechanical means including stacking of pipes within all lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore	96.00	Rmt.	Per Running metre.	
2	Cutting in earth work in all heights / depths and in all kinds of soil such as kankar, moorum, shingle and decomposed or soft rock and hard rock including their intermediate classification and chiselling / wedging out rock where blasting is prohibited including saturated soil and filling in embankment etc., where necessary and disposal of all excavated un serviceable materials in all leads and lifts including through mechanical transportation, the disposal of unserviceable materials will be done in acquired width of the road or on approved dumping site.	135.00	Cum.	Per cubic metre.	
3	Disposal of excavated earth/ dismantling materials by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	135.00	Cum.	Per Cubic metre.	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	27.00	Cum.	Per cubic metres.	
5	Providing and fixing holding hooks for G.I. pipes alignment 35cm long and 20cm in round with 12mm dia bar complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge	100.00	No.	Each	
6	Providing and fixing G.I pipes complete with G.I Fittings including trenching and refilling etc. including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge (i) 32 mm dia nominal bore	54.00	Rmt.	Per Running metre.	
(ii)	40 mm dia nominal bore	42.00	Rmt.	Per Running metre.	
7	Providing and fixing G.I Union in G.I pipe including cutting and threading the pipe and making long screws etc. Complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.(i) 32 mm dia nominal bore	18.00	No.	Each	
(ii)	40 mm dia nominal bore	18.00	No.	Each	

8	Providing and fixing G.I. Elbow in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge (i) 32 mm dia nominal bore	1.00	No.			Each
(ii)	40 mm dia nominal bore	1.00	No.			Each
9	Providing and fixing 32 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge (i) 32 mm dia nominal bore	1.00	No.			Each
(ii)	40 mm dia nominal bore	1.00	No.			Each
<b>Conditions:-</b>						<b>Total</b>

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



SCHEDULE OF QUANTITY

(64)

Estimated Cost Rs. :- 355450.00  
Earnest Money Rs. :- 7110.00  
Time:- One Month.

Name of work: -Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Repair of roof leakage, flushing repair and shifting of PVC and GI pipe line along with new RCC lift.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelf / box for cupboard with butt joints and fixing with nails and screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	9.85 Sqm			Per square metre	
2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	249.87 Sqm			Per square metre	
3	Providing and fixing 0.60mm thick prepainted steel sheet of TATA Make or equivalent in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-in-charge including the carriage of material upto all leads and lifts.	39.11 Sqm			Per square metre	
4	Providing and fixing M.S. BP Sheet 2mm thick in eaves board/ fascia/ soffits/ ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all leads and lifts.	23.48 Sqm			Per square metre	
5	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-(i) 150mm dia including carriage of materials within all leads and lifts.	4.30 Rmt			Per Running metre.	
5.01	110mm dia.	54.00 Rmt			Per Running metre.	
5.02	75mm dia.	45.00 Rmt			Per Running metre.	
6	Providing and fixing PVC (Finolex) door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts.(i) 150 mm nominal size.	2.00 No.			Each	
6.01	110mm dia.	10.00 No.			Each	
7	Providing and fixing PVC (finolex ) Plain bends of required degree (any radius) including fixing with approved adhesive etc.complete, including carriage of materials within all leads and lifts.(i) 150 mm nominal size.	2.00 No.			Each	
7.01	75mm dia.	33.00 No.			Each	
8	Providing and fixing PVC (finolex) collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150 mm dia.	2.00 No.			Each	

8.01	110mm dia.	20.00 No.			Each	
9	Providing and fixing PVC(finolex) plain single equal branch with oval access door, insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads an lifts- (i) 150 mm nominal size.	1.00 No.			Each	
9.01	110mm dia.	9.00 No.			Each	
10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal /external work complete including carriage of materials within all leads and lifts:- 15 mm nominal bore.	45.00 Rmt			Per Running metre	
11	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work):- 15mm nominal bore.	5.00 No.			Each	
12	Providing and fixing 32 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge 15 mm dia nominal bore	2.00 No			Each	
13	Providing and fixing G.I. Elbow in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge 15 mm dia nominal bore	15.00 No.			Each	
14	Providing temporary platform by way of scaffolding for repair of roofand roof projections and other all kind of works having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	656.00 Sqm			Per square metre	
15	Providing and fixing 4mm thick acrylic sheet complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	4.50 Sqm			Per square metre	
16	Providing and fixing CP brass battery based infrared sensor operated pillar cock having foam flow technology complete including carriage of materials within all leads and lifts:- Cat No. SNR-CHR-	5.00 No.			Each	
17	Providing and fixing 15cm wide, 45cm overall semicircular plain G.S. sheet gutter with iron brackets 40mm x 3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge:- 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup> .	15.00 Rmt.			Per Running metre	
<b>Conditions:-</b>						<b>Total</b>

Executive Engineer  
Shimla Division No.III  
H.P.W.D. Shimla-3.

SCHEDULE OF QUANTITY

(65)

Estimated Cost Rs. :- 352532.00

Earnest Money Rs. :- 7060.00

Time:- One Month.

Name of work: -Special repair to Residential building under Shimla Division No.III(SH:- Renovation of Rooms , Kitchen and Toilets of Set No. 1 Ground Floor Block No.9 at Barnes Court Shimla-2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3.18 Cum			Per cubic meter	
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar	1.29 Cum			Per cubic meter	
3	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) From brick work in cement mortar including carriage of materials within all leads and lifts.	247.00 Per 1000			Per 1000 No.	
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :(i) Of area 3 sq. metres and below	3.00 No			Each	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : including carriage of materials within all leads and lifts.(i) Of area 3 sq. metres and below	1.00 No			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	73.82 Sqm			Per Square Metre	
7	Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour)	0.40 Cum			Per cubic meter	
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	0.26 Cum			Per cubic meter	
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.78 Cum			Per cubic meter	
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of material in all leads and lifts :- (i) Cement mortar 1:6 (1 cement : 6 coarse sand)	0.64 Cum			Per cubic meter	



11	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. (i) Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble (a) Area of slab upto 0.50 sqm	3.62	Sqm			Per Square Metre	
12	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. (i) Marble Work	3.63	Rmt.			Per Running Metre	
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second class Deodar wood	0.209	Cum			Per cubic meter	
14	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 35mm Thick Shutters	8.56	Sqm.			Per Square Metre	
15	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	36.00	No			Each	
16	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : (i) 250x16 mm	6.00	No			Each	
17	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 150x10mm	14.00	No			Each	
18	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 125mm	14.00	No			Each	
19	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts.	2.65	Sqm.			Per square metre	
20	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (i) Size of Tile 600x600 mmx8mm	44.53	Sqm.			Per square metre	
21	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.	5.51	Sqm.			Per square metre	

22	Providing and fixing 1st quality ceramic glazed tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	54.25	Sqm.			Per square metre	
23	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts. (i) 1:6 (1 cement: 6 fine sand)	79.39	Sqm.			Per square metre	
24	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	67.00	Sqm.			Per square metre	
25	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	88.25	Sqm.			Per square metre	
26	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	21.72	Sqm.			Per square metre	
27	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	21.72	Sqm.			Per square metre	
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in Wall surfaces (i) Two or more coats on new work	21.23	Sqm.			Per square metre	
29	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in Wall surfaces (i) One or more coats on Old work	99.65	Sqm.			Per square metre	
30	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No.			Each	
31	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : (i) Flat back wash basin of size 550x400 mm	1.00	No.			Each	
32	Providing and fixing 8 mm Dia chromium plated Ess Ess Jet with Flexible tube 1.00 Metre long with Ess Ess Traingular Plate to European Type WC Pan including carriage of materials within all leads and lifts.	1.00	No.			Each	
33	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete (i) White solid plastic seat with lid	1.00	No.			Each	
34	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	2.00	No.			Each	
35	Providing and fixing C.P. grating of approved quality and colour. Circular type (i) 100 mm nominal dia	4.00	No.			Each	
36	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	No.			Each	

37	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
38	Providing and fixing 600mm X 20mm size C.P. brass towel rail (heavy duty ) ESS Ess Make (AC-701) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
39	Providing and fixing C.P. brass towel Ring (heavy duty ) ESS Ess Make (AC-702) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
39	Providing and fixing Acrylic corner shelf ( One Set 3 Pice) including carriage of Materilas with in all leads and lifts.	1.00	Set			Per set	
40	Providing and fixing Health faucet fitting complete including carnage of materials within all leads and lifts :- ESS ESS C-232.Y	1.00	No.			Each	
41	Providing and fixing 15 mm dia CP Brass Sink Mixure wall mounted of approved quality and make ( Cat No. T-127) including complete in all respect.	1.00	No.			Each	
42	Providing and fixing uplasticised PVC connection steel wired Coated pipe with brass unions :(i) 45 cm length (a)15 mm nominal bore	2.00	No.			Each	
43	Providing and fixing uplasticised PVC connection pipe with brass unions :(i) 45 cm length (a)15 mm nominal bore	5.00	No.			Each	
44	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall (i) 15 mm dia nominal bore	24.60	Rmt.			Per Running Metre	
45	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work (i) 15 mm dia nominal bore	18.30	Rmt.			Per Running Metre	
46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	3.00	No.			Each	
47	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) 15 mm Nominal Bore	3.00	No.			Each	
48	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15 mm Nominal Bore	8.00	No.			Each	
49	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	11.00	No.			Each	
50	Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.	11.00	No.			Each	
51	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-100mm x 100mm	4.00	No.			Each	
52	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads 100 mm diameter	3.05	Rmt.			Per Running Metre	
53	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads 75 mm diameter	12.45	Rmt.			Per Running Metre	



54	Providing and fixing PVC single equal branch ( Plain Tee) Type-B including fixing with approved adhesive etc. complete.75 mm diameter	4.00	No.			Each	
55	Providing and fixing PVC Finolex type-B plain bend including fixing with approved adhesive etc. complete.100 mm diameter	2.00	No.			Each	
56	Providing and fixing PVC Finolex Type-B plain bend including fixing with approved adhesive etc. complete.75 mm diameter	6.00	No.			Each	
57	Providing and fixing PVC Collar ( Finolex) Type-B including fixing with approved adhesive etc. complete.(i) 100 mm Diameter	4.00	No.			Each	
58	Providing and fixing PVC Collar ( Finolex) Type-B including fixing with approved adhesive etc. complete.(i) 75 mm Diameter	20.00	No.			Each	
59	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:Inside dimensions 455x610 mm and 45 cm deep for single pipe line :(i) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	No.			Each	
60	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per direction of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	5.43	Cum			Per cubic meter	
<b>Conditions:-</b>							
						<b>Total</b>	

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Recovery of usefull bricks 247.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each. , Fuel wood 1.80 Quintel will be Charged / deducted from Contractor @ 500.00 Per Quintel

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

66

SCHEDULE OF QUANTITY

Estimated cost:- 268146.00  
Earnest Money:- 5400.00  
Time :- One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing cupboards, shutters, flooring, marble, tiles, painting & sanitary fittings etc in block No. 1/1A R.H, 1/3 RH & F-III/41 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) including carriage of materials in all leads and lifts.	0.51 Cum			Per Cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in-charge In Foundation and plinth.	0.51 Cum			Per cubic metre.	
3	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	0.062 Cum			Per cubic meter	
4	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chil/rai wood.	0.016 Cum			Per cubic metre	
5	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete With 2nd class deodar wood beading 40x12 mm including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	5.17 Sqm			Per square meter	
6	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.80 Sqm			Per square meter	
7	Providing and fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56 mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	0.90 Sqm.			Per square meter	
8	Providing and fixing 6 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	7.72 Sqm.			Per Square metre	
9	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated plano hinges with screws etc complete) including carriage of materials within all leads and lifts	12.88 Sqm.			Per square metre.	
10	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	6.92 Sqm.			Per square metre.	
11	Providing and fixing hard wood square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	14.04 Rmt.			Per running metre.	
12	Providing and fixing 12mm thick water proof kit ply of standard quality ISI mark and approved shade and colour in panelling/ceiling/wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) including carriage of materials within all leads and lifts.	3.93 Sqm			Per square meter	
13	Providing and fixing PGI Sheet 0.63mm thick in ceiling/lining of approved quality with butt jointing and nails/ screws etc. complete (frame work and fillets to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	7.87 Sqm			Per square meter	

14	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	8.53 Sqm.			Per square metre
15	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section 1/4 mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	21.65 Rmt.			Per running metre
16	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 100 mm including carriage of materials within all leads and lifts.	24.00 No.			Each
17	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :- 200x10 mm including carriage of materials within all leads and lifts.	6.00 No.			Each
18	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	11.00 No.			Each
19	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	63.78 Sqm			Per Square Metre
20	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Raj Nagar Plain white marble/Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm including carriage of materials within all leads & lifts.	1.88 Sqm			Per square meter
21	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work including carriage of materials within all leads and lifts.	2.26 Rmt.			Per running meter
22	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials within all leads and lifts.	20.12 Sqm			Per square meter
23	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete including carriage of materials within all leads and lifts.	7.30 Sqm			Per square meter
24	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts as per direction of Engineer-in-charge :- Plain Glass 4mm thick.	0.35 Sqm.			Per square meter
25	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	51.15 Sqm			Per square meter
26	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	51.15 Sqm			Per square meter
27	Painting with synthetic enamel paint of approved brand and manufacture of required colour and an even shade one or more coats on old work including carriage of materials in all leads and lifts.	215.89 Sqm.			Per square meter



28	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.	203.28 Sqm.			Per square meter
29	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts.	60.98 Sqm.			Per square meter
30	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	1.00 No.			Each
31	Providing and fixing wash basin with C.I. or M.S. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps including carriage of materials within all leads and lifts.	1.00 No.			Each
32	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.	1.00 No.			Each
33	Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - In - charge including carriage of materials within all leads and lifts.	1.00 No.			Each
34	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	1.00 No.			Each
35	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00 No.			Each
36	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts.	1.00 No.			Each
37	Providing and fixing 15mm dia CP brass bib tap (Superior or heavy type) including carriage of materials within all leads and lifts:-	6.00 No.			Each
38	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore including carriage of materials within all leads and lifts .	8.00 No.			Each
39	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, 1/2 cutting and making good the walls etc. 15 mm dia nominal bore Internal work including carriage of materials in all leads and lifts.	42.70 Rmt.			Per running metre.
40	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) 15 mm nominal bore including carriage of materials within all leads and lifts.	1.00 No			Each
41	Providing and placing on terrace (at all floor levels) polyethylene three layer sintex make water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. including carriage of materials within all leads and lifts.	1000.00 Ltrs.			Per Litre
42	Providing and fixing 15mm nominal bore brass ball valve (horizontal plunger type) High pressure with polythene plastic floats with fixing etc. complete including carriage of materials within all leads and lifts.	1.00 No.			Each
43	Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. including carriage of materials within all leads and lifts.	1.00 No.			Each
44	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	3.00 No			Each

45	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (110mm X 90mm).	4.00 No.		Each	
46	Providing and fixing uplasticised PVC connection pipe with brass unions 30 cm length 15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.		Each	
47	Providing and fixing high pressure PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 75 mm dia.	9.00 Rmt.		Per running metre	
48	Providing and fixing CP towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including carriage of materials within all leads and lifts.	1.00 No.		Each	
49	Providing and fixing C.P. brass towel rod 600x120mm including carriage of materials within all leads and lifts.	1.00 No		Each	
CONDITION:-				Total:-	

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should conform to bureau of Indian standards.

Executive Engineer  
Shimla Division NO. 117  
HP.PWD.Shimla-117/2023

**SCHEDULE OF QUANTITY**

(67)

Estimated cost:-  
Earnest Money:-  
Time :-

374933.00  
7500.00  
One Month

Name of work:-Special repair to various residential buildings under Shimla Division No. III (SH:-Providing & fixing tiles, lining, shutters, painting & distemping in block No. 14/2 TF) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	2.81 Cum			Per cubic meter	
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge including carriage of materials in all leads and lifts.	0.32 Cum			Per Cubic metre.	
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	88.52 Sqm.			Per square meter	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge In Foundation and plinth	2.81 Cum			Per cubic metre.	
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.30 Cum			Per Cubic meter	
6	Centering and shuttering including strutting, propping etc. and removal of form for Shelves (Cast in situ) including carriage of materials within all leads and lifts.	3.41 Sqm.			Per square meter	
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars including carriage of materials within all leads and lifts.	38.40 Kg			Per Kilogramme	
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.- Cement mortar 1:4 (1 cement :4 coarse sand) including carriage of materials within all leads and lifts.	2.65 Sqm.			Per square meter	
9	Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (vener work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately) Area of slab upto 0.50 sqm including carriage of materials within all leads and lifts. Baroda green marble.	2.97 Sqm			Per square meter	
10	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete Size of Tile 300mm x450mm including carriage of materials within all leads and lifts.	48.28 Sqm.			Per square meter	
11	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	3.54 Sqm			Per square meter	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :- 150x10 mm including carriage of materials within all leads and lifts.	12.00 No.			Each	
13	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 100mm including carriage of materials within all leads and lifts.	6.00 No.			Each	



14	Providing and laying vitrified floor tiles 600x600mm in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	18.71 Sqm			Per square meter	
15	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.	111.71 Sqm			Per square meter	
16	Providing and fixing 1.50mm thick PVC/ Rubber tiles of approved brand & design in flooring plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	97.55 Sqm			Per Square Metre	
17	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	5.65 Sqm			Per square meter	
18	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	5.65 Sqm			Per square meter	
19	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	5.29 Sqm			Per square meter	
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	5.29 Sqm			Per square meter	
21	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)including carriage of materials within all leads and lifts.	5.29 Sqm			Per square meter	
22	Providing and fixing 4mm thick teak ply in ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	14.35 Sqm.			Per Square metre	
23	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes including carriage of materials within all leads and lifts.	2.82 Sqm			Per square meter	
<b>CONDITION:-</b>					<b>Total:-</b>	

- i) Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer- in- charge before use.
- iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should conform to bureau of Indian standards.

Executive Engineer  
Shimla Division NO-11  
HP.PWD.Shimla-174003

SCHEDULE OF QUANTITY

(68)

Estimated cost:- 372882.00

Earnest Money:- 7460.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III shimla. (SH:-Repair of PGI sheet Ceiling, Repair of Flooring and other miscellaneous repair work in OLD MLA Qtrs In C-26 at Bolleaugam] Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	62.16		Rupees NIL Only	Per square metre.	
2	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. complete. including carriage of materials within all leads and lifts.:- Rae wood/chill wood	0.540		Rupees NIL Only	Per Cubic metre.	
3	Providing and fixing plain square edged cover fillets (beading) 40mm x 12mm section with wood screws in ceiling and lining including mitring at junctions.	143.74		Rupees NIL Only	Per square metre	
4	Providing and fixing 50mm X 50mm wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete including carriage of materials within all leads and lifts. 2nd d/dar wood	73.16		Rupees NIL Only	Per running metre	
(ii)	Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.	50.78		Rupees NIL Only	Per square metre.	
5	1.5 mm thick pvc/rubber tiles flooring of approved brand plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	50.78		Rupees NIL Only	Per square metre.	
6	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply inclding carriage of materials within all leads and lifts.	17.99		Rupees NIL Only	Per Square metre	
7	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts	38.84		Rupees NIL Only	Per square metre.	
8	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	19.83		Rupees NIL Only	Per square metre.	
9	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality:- 1.0 mm thick complete including carriage of materials within all leads and lifts.	27.65		Rupees NIL Only	Per square metre.	

10	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete.well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soils. 1st class deodar wood.	63.40			Rupees NIL Only	Per running metre
11	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Double strip (horizontal type)	24.00			Rupees NIL Only	Each
12	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	8.12			Rupees NIL Only	Per square metre.
Condition:-						

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*[Signature]*



**SCHEDULE OF QUANTITY**

(69)

Estimated cost:- 369122.00  
Earnest Money:- 7380.00  
Time :- One Month.

Name of work:-A/R and M/O Various residential buildings under diviion no III Shimla. (SH:-Repair of Roof ,soffitsetc in block III set no.21 and block-17 valley side at U.S Club Shimla.

Sl. NO.	Sub-Head/Item of work.	Qty.		Rate		Unit.	Amount.
				In Figures.	In Words		
1	2	3		4	5	6	
1	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within all leads and lifts.G.S Sheet.	161.79	Sqm			Per square metre	
2	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Electric resistance or induction butt welded tubes	1022.77	Kg			Per/kg	
3	Providing and fixing M.S. BP Sheet 2.0 mm thick in eaves board/ facia/ soffits/ ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all leads and lifts.	8.70	Sqm			Per square metre	
4	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diametre with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:-(up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.0.63mm thick.	161.79	Sqm			Per square metre	
	Providing ridges or hips 60 cm over all in plain G.I.sheet with galvanised iron J or L hooks, bolts and nuts 8mm dia G.I. Limpet and bitumen washers copmlete including carriage of materials within all leads and lifts.0.63 mm thick sheet.	38.10	Rmt			Per running metre	

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.  
Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.  
Credit for servicable CGI Sheet be obtained from dismantling i.e. 60% of total dismantalled qty.68.85 sq mtrs (i.e 161.79 sqmtr) @ Rs165 per sq metre.

*[Signature]*  
Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 380039.00

Earnest Money Rs. :- 7610.00

Time:- One Month.

Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- Providing and Fixing CupBoard , Tiles,Painting & Distempering , WS. & SI etc. In Block I set No.1 Ground Floor Type-II Qtrs &Set No 8 and 4 Third floor Type-III Qtrs at Knolls wood Shimla-2)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	2.10	Cum			Per Cubic Metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	77.05	Sqm			Per Square Metre	
3	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 35mm Thick Shutters	9.30	Sqm.			Per Square Metre	
4	Providing and fixing 6mm thick commercial ply wood ceiling of approved quality with butt jointing and nails (frame work and cover fillets to be paid for separately) complete including carriage of materials within all leads and lifts.	10.48	Sqm			Per square meter	
5	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	26.37	Sqm.			Per Square Metre	
6	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	9.27	Sqm.			Per Square Metre	
7	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	12.04	Sqm.			Per Square Metre	
8	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	36.90	Rmt.			Per Running Metre	
9	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	4.00	No			Each	

10	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	18.00	No			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	18.00	No			Each	
12	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 125 mm	22.00	No			Each	
13	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	20.00	No			Each	
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.05	Cum			Per Cubic Metre	
15	Providing and laying Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts.	13.52	Sqm			Per Square Metre	
16	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete(i) Size of Tile 600x600 mm	61.66	Sqm			Per Square Metre	
17	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mmx8mm	36.01	Sqm			Per square meter	
18	Providing and fixing 18mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels	3.00	Sqm.			Per Square Metre	
19	Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge:- Granite work.	3.20	Rmt.			Per Running Metre	
20	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	140.60	Sqm			Per Square Metre	



21	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	194.05	Sqm				Per Square Metre	
22	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	69.21	Sqm.				Per Square Metre	
23	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	69.21	Sqm.				Per Square Metre	
24	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : (i) Old work (one or more coats)	351.50	Sqm.				Per Square Metre	
25	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (i) One or more coats on old work	179.44	Sqm				Per Square Metre	
26	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	1.00	No.				Each	
27	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: including carriage of materials within all leads and lifts. (i) White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps (i) Somany Make	1.00	No.				Each	
28	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 610x460 mm bowl depth 200mm.	1.00	No.				Each	
29	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.	1.00	No.				Each	
30	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia .including carriage of materials within all leads and lifts.	2.00	No				Each	
31	Providing and fixing C.P. grating of approved quality and colour. (i) Circular type 100 mm nominal dia	2.00	No				Each	
32	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No				Each	
33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	1.00	No				Each	

34	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. including carriage of materials within all leads and lifts complete. (i) 15mm dia	3.00	No.			Each	
35	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	4.00	No.			Each	
36	Providing and fixing unplasticised P.V.C. connection pipe with Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.	6.00	No.			Each	
37	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(i) Internal work - Exposed on wall (a) 15 mm dia nominal bore	10.30	Rmt			Per Running Metre	
38	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. (i) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	1.00	No.			Each	
39	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty::including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge.(i) Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	2.4	Sqm			Per Square Metre	
40	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :(i) 20 mm dia	7.40	Rmt.			Per Running Metre	
41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	10.00	Rmt.			Per Running Metre	
42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion:- Collar 110mm	3.00	No.			Each	
42.1	Bend 87.5° 110 mm bend	1.00	No.			Each	
42.2	Shoe Plain 110x110x110 mm.	1.00	No.			Each	

43	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	3.26	Cum			Per Cubic Metre	
Conditions:-							
i Rates should be quoted for all heights including all leads and lifts for internal and external works.							Total

- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-8



SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 285000.00  
 Earnest Money Rs. :- 5700.00  
 Time:- One Month.

Name of work: - A/R and M/O Armsdale Building at HP. Sectt. Chotta Shimla-2(SH:-Providing and fixing Kent Elite plus Water Purifier in Armsdale building.)

Sl. No.	Items of work	Quantity	Rate	Unit	Amount
1	Providing and fixing Kent ELLITE water purifier UV+VF50 LPH purification capacity including installation at specified place with all accessories required to complete the job as per direction of Engineer-in-charge including carriage of material within all leads and lifts.	6.00 No		Each	
Conditions:-					Total

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
 Shimla Division No.III  
 HP-24D. Shimla-3.

**SCHEDULE OF QUANTITY**

72

Estimated cost:- 382236.00

Earnest Money:- 7640.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Repair of bath /toilets in set no 4,5,6 at Armsdale qtrs near Peterhof & Repair of kitchen, toilet in set no C-26 at OLD MLA qtrs near Bolleauganj Shimla.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area beyond 3 sq. metres	1.69	Sqm			Per square metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	39.57	Cum			Per cubic metre	
3	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material including carriage of materials within all leads and lifts:- Asbestos cement sheet.	7.56	Sqm			Per square metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer in-charge:- In cement mortar.	1.02	Cum			Per cubic metre	
5	ii) Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	4.68	Cum			Per cubic metre	
6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	2.88	Cum.			Per cubic metre.	
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	0.35	Cum			Per cubic metre	
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	3.03	Sqm			Per square metre	
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge - All work up to plinth level:- 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40mm nominal size)	0.48	Cum			Per cubic metre	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge - All work up to plinth level:- 1:2:4 (1 cement : 2 fine sand : 4 graded stone aggregate 20mm nominal size)	6.63	Cum			Per cubic metre	

11	Dubbing out an old irregular walls average 10mm thick with cement mortar 1:6 (1 cement : 6 sand) including carriage of materials within all leads and lifts	23.52	Sqm.				Per square metre	
12	Centering and shuttering including strutting, propping etc. and removal of form for :- Suspended floors, roofs, landings, balconies and access platform and Shelves (Cast in situ) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	11.33	Sqm.				Per square metre	
12	Lintle ,beams, plinth complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	9.77	Sqm.				Per square metre	
13	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size). upto floor all level complete including carriage of materials within all leads and lifts as per direction of Engineer-in- charge.	1.53	Cum				Per cubic metre	
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level:- Hot rolled deformed bars complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	149.60	Kg.				Per Kilogram me.	
15	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering of binding materials moorum or earth etc. complete as per HP.PWD specification 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	2.41	Cum				Per Cubic metre	
16	Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand) Above plinth level upto floor all level complete as per directions and approval of Engineer-in-charge including carriage of materials within all leads and lifts	4.42	Cum.				Per cubic metre.	
17	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately):- 2nd class D/Dar wood.	0.05	Cum.				Per cubic metre.	
18	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	1.50	Sqm				Per square metre.	
19	Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	1.00	No.				Each	



20	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 200mm x10mm size.	2.00	No.			Each	
20	150mmx10mm.	38.00	No.			Each	
21	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 125mm size.	2.00	No.			Each.	
22	Providing and laying vitrified floor tiles of 300mm X 300mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts as per direction of Engineer-in- charge.	3.32	Sqm.			Per Square metre	
23	Providing and laying Vitrified tiles 450x350mm in sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:-	56.44	Sqm.			Per Square metre	
24	Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts as per direction of Engineer-in- charge.	10.73	Sqm.			Per Square metre	
25	6 mm cement plaster of mix in Cement Mortar 1:3 (1 cement:3 fine sand) including carriage of materials within all leads and lifts.	3.32	Sqm			Per square metre	
26	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	37.90	Sqm.			Per square metre	
27	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	50.36	Sqm			Per square metre	
28	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coat	118.81	Sqm			Per square metre.	

29	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	2.79	Sqm			Per square metre.	
30	Extra for making round nosing to treads of steps of marble stone./ granite/kota stone	3.05	Rmtr			Per Running Metre.	
31	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 2nd class Rai wood wood.	0.07	Cum			Per Cubic metre	
32	Painting with synthetic enamel paint on wood of approved brand and manufacture of required colour to give an even shade One or more coats on old work	42.81	Sqm.			Per Square metre	
33	Painting with synthetic enamel paint on steel work of approved brand and manufacture of required colour to give an even shade : One or more coats on old work.	18.51	Cum			Per cubic metre	
34	Providing and fixing ESS ESS curtain rod having wall thickness of 1.25mm with two brackets fixed with C.P. brass screws and PVC sleeves, Phinel etc., wherever necessary complete : 25 mm dia (WITH BRACKETS AND ACCESSORIES)	22.90	Rmtr			Per running metre	
35	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. 125 mm ESS ESS made (doors and windows)	25.00	No			Each	
36	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250 x16 mm	4.00	No			Each	
37	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia nominal bore (INTERNAL)	24.60	Rmt.			Per Running Metre.	
38	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 510x1040 mm bowl depth 250 mm	1.00	No.			Each	
39	Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts:- ESS-ESS Cat No. T-127.	1.00	No			Each	
40	Providing and fixing ESS ESS soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. ESS ESS AC 703	3.00	No.			Each	
41	Providing and fixing 15mm nominal bore C.P. angle stop cock of ESS ESS catalogue No. C-204D or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.	8.00	No			Each	
42	Providing and fixing 15mm one hole mixer for wash basin including carriage of materials within all leads and lifts:- ESS-ESS Cat No. C-112A.	1.00	No			Each	



43	Providing and fixing uplasticsed PVC connection pipe; 300/450 mm length 15 mm nominal bore viking made	6.00	No.			Each	
44	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	2.00	No.			Each	
45	Providing and fixing Wall mixer non telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121	1.00	No			Each	
46	Providing and fixing towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. ESS ESS made AC-101	2.00	No			Each	
47	Providing and fixing towel ring complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. ESS ESS made AC-102	1.00	No.			Each	
48	Providing and fixing 460x130x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. AC-307	1.00	No			Each	
49	Providing and fixing vitreous China wash down water closet (Angle indian type W.C. pan) complete set with intergal P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (seat and cover to be measured and paid for separately) including carriage of materials within all leads and lifts. Hindware Cat no 20012.	1.00	No.			Each	
50	Providing and fixing vitreous China wash down water closet (Angle indian type W.C. pan) complete set with intergal P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (seat and cover to be measured and paid for separately) including carriage of materials within all leads and lifts.	1.00	No.			Each	
51	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :- Solid Type :- White solid plastic seat with lid.	1.00	No.			Each	
52	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps Cat No. 10001 made Hindware	1.00	No.			Each	
53	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1.00	No.			Each	
54	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	1.00	No			Each	
55	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.viking make	3.00	No.			Each	
56	Providing and fixing PVC Finolex floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i)110mm X 90mm size.	2.00	No.			Each	



56	(ii)110x75mm)	2.00	No.			Each	
57	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including carriage of materials within all leads and lifts.10 litre capacity - White.	2.00	No.			Each	
58	P/F C.P. Waste for basin 32mm viking made complete including carriage of materials within all leads an lifts	2.00	No.			Each	
59	Providing and fixing high pressure PVC (finolex) Type 'B' and socket walse and ventilating pipe icluding with approve dadhesive complete 75 mm nominal inner dia Pipes	4.15	No.			Each	
60	Providing and fixing PVC plain bend ISI marked ISI marked including fixing with approved adhesive etc complete. i) 75 mm dia	2.00	No			Each	
61	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing rectangular in shape 60cm x 45cm	2.00	No.			Each	
62	Providing and fixing brass bib cock of approved quality 15mm nominal bore. complete including carriage of materials within all leads an lifts Cat No. 202	2.00	Cum			Per cubic metre	
63	Providing and fixing 100mm round grating of approved quality and colour.Circular type Viking made	3.00	No.			Each	
64	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes complete including carriage of materials within all leads and lifts.	1.05	Sqm.			Per square metre.	
65	Finishing walls with Acrylic Smooth exterior paint of required shade complete including carriage of materials within all leads and lifts:- New work (two or more coat ) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	17.42	Sqm			Per square metre	
66	Providing and fixing chromium plated soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws etc. complete including carriage of materials within all leads and lifts.	1.00	No.			Each	
67	Providing and fixing 15mm nominal bore C.P. brass bib cock of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts.	2.00	No.			Each	
68	Providing and fixing 15mm dia C.P. brass pillar tap with capstan head including carriage of materials within all leads and lifts	1.00	No			Each	
69	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931including carriage of materials within all leads and lifts.	5.00	No.			Each	
70	Providing and fixing 300/450mm length uplasticised PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.	3.00	No			Each	
71	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts as per direction of Engineer-in- charge:- 50mm nominal bore.	1.00	No.			Each	

72	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge:- 15mm nominal bore.	2.00	No.			Each	
73	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	6.00	Rmt			Per Running metre.	
74	Providing and fixing PVC (Finolex) single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	1.00	No			Each	
75	Providing and fixing PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	2.00	No.			Each	
76	Providing and fixing PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	2.00	No.			Each	
77	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	2.00	No			Each	
78	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	7.21	Cum			Per cubic metre	
79	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	4.53	Sqm			Per square metre.	
	Condition:-						

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*[Signature]*

**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

381922.00  
7650.00  
One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, flooring, painting including sanitary fittings in set No. 1/24 RH, I-II/59, block 25 type-III/59 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) including carriage of materials in all leads and lifts.	3.75 Cum			Per Cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	3.75 Cum			Per Cubic meter	
3	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm including carriage of materials within all leads and lifts.	21.40 Sqm			Per square meter	
4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x450mm.	58.78 Sqm			Per square meter	
5	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm including carriage of materials with in all leads & lifts.	2.92 Sqm			Per square meter	
6	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	9.39 Sqm.			Per square metre.	
7	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	21.58 Sqm.			Per square metre.	
8	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	23.00 No.			Each	
9	Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	27.00 No.			Each	
10	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :-250x16 mm including carriage of materials within all leads and lifts.	2.00 No.			Each	
11	Providing and fixing 6 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	9.39 Sqm.			Per Square metre	
12	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	150.00 Rmt.			Per running metre.	
13	Providing and fixing 100mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	4.10 Sqm.			Per square metre.	
14	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.	37.43 Sqm			Per square meter	
15	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	37.43 Sqm			Per square meter	
16	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	260.60 Sqm.			Per square meter	
17	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	23.00 Sqm			Per square meter	



18	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade Two or more coats on new work including carriage of materials and as per the direction of the Engineer-in-Charge.	57.08	Sqm.			Per square metre.
19	Distemping with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade. including carriage of materials within all leads and lifts.	381.63	Sqm			Per square meter
20	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	83.93	Sqm			Per Square Metre
21	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts.	7.00	No.			Each
22	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials in all leads and lifts.	6.00	No.			Each
23	Providing and fixing CP brass pillar tap with capstan head including carriage of materials within all leads and lifts :- 15mm dia.	2.00	No.			Each
24	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials within all leads and lifts :- 32 mm dia.	4.00	No.			Each
25	Providing & fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00	No.			Each
26	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	3.00	No.			Each
27	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.	1.00	No.			Each
28	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	2.00	No.			Each
29	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	2.00	No.			Each
30	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	2.00	No.			Each
31	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	4.00	No.			Each
32	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	4.00	No.			Each
33	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc External work 15 mm dia nominal bore including carriage of materials within all leads and lifts.	6.00	Rmt.			Per running metre.
<b>CONDITION:-</b>						<b>Total:-</b>

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer- in- charge before use.

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.  
HP PWD Shimla-171001

**SCHEDULE OF QUANTITY**

74

Estimated cost:- 494394.00  
Earnest Money:- 9890.00  
Time :- One Month.

**Name of work:- A/R and M/O Various residential buildings under diviion no III Shimla. (SH:-Repair of tiles work, repair of cupboard, and other miscellenous repair work in type -V set no-16 at Richmond Shimla.)**

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	5.18 Cum.			Per cubic metre.	
2	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete including cost of form work including carriage of materials within all leads and lifts:- In Foundation and plinth	12.97 Cum			Per cubic metre	
3	Half brick masonry in common burnt clay building bricks in super-structure above plinth level upto floor two level.Cement Mortar 1:4 (1 cement:4 sand) Second Class Bricks including carriage of materials within all leads and lifts.	4.20 Sqm			Per square metre	
4	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	8.40 Sqm.			Per square metre	
5	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 15 mm dia nominal bore complete including carriage of materials in all leads and lifts.	24.50 Rmt.			Per Running Metre.	
6	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	2000.00 ltr			Per/litre	
7	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 15 mm nominal bore complete including carriage of materials in all leads and lifts.	1.00 No.			Each	
8	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work):- (i) 15 mm nominal bore.	2.00 No.			Each	
9	Constructing masonry Chamber 60x60x45 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size ) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 complete with including carriage of materials within all leads and lifts.	4.0 No			Each	
10	Providing and fixing high pressure PVC (Finolex) type-B spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	11.00 Rmt			Per Running metre.	
11	Providing and fixing Finolex( Type- B) PVC door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	2.00 No			Each	
12	Providing and fixing PVC (finolex) Type 'B' plain bend ISI marked ISI marked including fixing with approved adhesive etc complete. i) 110 mm dia	6.00 No			Each	
13	Providing and fixing PVC (finolex) Type 'B' Collar ISI marked ISI marked including fixing with approved adhesive etc complete.(i)110 mm dia	4.00 No			Each	



14	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more	5.18	cum			Per Cubic metre
15	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials within all leads (wooden/concrete joists to be measured and paid for separately) For all thickness of tiles including carriage of materials in all leads and lifts.	22.06	Sqm.			Per square metre.
16	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts.-: Rae wood/chill wood.	0.061	Cum			Per cubic metre
17	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 9 mm thick ply inclding carriage of materials within all leads and lifts.	10.96	Sqm.			Per Square metre
18	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6 mm thick ply inclding carriage of materials within all leads and lifts.	10.00	Sqm.			Per Square metre
19	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	15.00	Sqm.			Per square metre.
20	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts.	28.32	Sqm.			Per square metre.
21	Providing and fixing 1.0 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	15.00	Sqm.			Per square metre.
22	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts:-Plain Glass:4mm thick.	1.62	Sqm.			Per square metre.
23	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	91.42	Sqm.			Per square metre.
24	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.Nitco or Equivalent.	7.41	Sqm.			Per square metre.
25	Providing and fixing 3.15 mm thick non woven vellore or equivalent carpet of approved colour and shade of superior quality laid with approved adhesive on floor complete in all respect as per H.P.PWD. specifications in all leads and lifts including cost of materials and as per the direction of the Engineer-in-Charge.	50.76	Sqm			Per square metre.
26	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 15 mm dia nominal bore complete including carriage of materials in all leads and lifts.	19.000	Rmt.			Per Running Metre.
27	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc.complete including carriage of materials within all leads and lifts:- 440 X 35 mm	2.00	No			Each



28	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of material in all leads and lifts.	51.48	Sqm.			Per square metre	
29	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. One or more coats on old work	362.90	Sqm.			Per square metre.	
30	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	133.03	Sqm			Per square metre	
31	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new wood work complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	81.55	Sqm			Per square metre	
32	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid. Make Cera or Hindware	3.00	No.			Each	
33	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	3.00	No.			Each	
34	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	3.00	No			Each	
35	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	3.00	No.			Each	
36	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	3.00	No.			Each	
37	Providing and fixing looking mirror of size 600mmx450mm with plastic frame (superior quality) including backing support and fixing with screws etc at site as directed by Engineer-in-charge including carriage of materials within all leads and lifts.	3.00	No.			Each	
38	Providing and fixing C.P. towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws :-600mm x 20mm size.	3.00	No.			Each	
39	Providing and fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws including carriage of materials within all leads and lifts.	3.00	No			Each	
40	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : including carriage of materials within all leads and lifts.	12.00	No			Each	
41	Providing and fixing 15mm dia C.P. brass angle cock including carriage of materials within all leads and lifts.	10.00	No.			Each	
42	Providing and fixing C.P Sink mixer with regular swinging spout wall mounted arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:	1.00	No			Each	
43	Providing and fixing wall mixer with telephone shower arrangement complete including carriage of materials within all leads and lifts	1.00	No.			Each	
44	Providing and fixing wall mixing faucet for shower and bath hand shower with Angular and Rest Holder including carriage of materials within all leads and lifts:-	1.00	No.			Each	

45	Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.	10.00	No			Each	
46	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts	7.00	No.			Each	
47	Providing and fixing Acrylic corner glass shelf (3in1) complete. including carriage of materials within all leads and lifts	2.00	No.			Each	
48	Providing and fixing chromium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws etc. complete including carriage of materials within all leads and lifts.	7.00	No.			Each	
49	Providing and fixing single hole basin mixer with top / bottom swinging spout of approved quality including carriage of materials within all leads and lifts.	3.00	No.			Each	

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

(75)

Estimated cost:- 486178.00

Earnest Money:- 9720.00

Time :- One Month.

Name of work:- A/R and M/O Various residential buildings under divilion no III Shimla. (SH:-Repair of tiles work, repair of flooring, repair of paver block, repair of toilet & W/C and sanitary fixture for type VI set No-3 at Richmond and repair of cupboards ,repair of flooring In block-35 set.22 at US Club Shimla.)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials within all leads (wooden/concrete joists to be measured and paid for separately) For all thickness of tiles including carriage of materials in all leads and lifts.	18.48 Sqm.			Per square metre	
2	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within all leads and lifts.G.S Sheet.	24.00 Sqm			Per square metre	
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.In cement mortar	0.43 Cum			Per cubic metre	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood.	0.104 Cum			Per cubic metre	
5	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- 2nd class d/dar wood.	0.263 Cum			Per cubic metre	
6	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 9mm thick ply inclding carriage of materials within all leads and lifts.	31.13 Sqm.			Per Square metre	
7	Providing and fixing hard wood plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	71.60 Rmt.			Per running metre.	
8	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6 mm thick ply inclding carriage of materials within all leads and lifts.	2.47 Sqm.			Per Square metre	
9	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	9.69 Sqm.			Per square metre.	
10	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts.	20.59 Sqm.			Per square metre.	
11	Providing and fixing 1.0 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	11.42 Sqm.			Per square metre.	
12	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	103.88 Rmt.			Per running metre.	
13	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials within all leads and lifts.100 mm size.	20.00 No.			Each.	



14	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	31.00	No			Each	
15	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:-(up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	24.00	Sqm			Per square metre	
16	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of material in all leads and lifts.	98.39	Sqm.			Per square metre	
17	Removing white or colour wash by scraping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	31.12	Sqm			Per square metre	
18	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	218.31	Sqm			Per square metre	
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new steel work complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	88.80	Sqm			Per square metre	
20	Wall painting(one coat) with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease,loose pieces of scale and sand papered smooth.including carriage of material in all leads and lifts.	491.97	Sqm.			Per square metre	
21	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. Old work (one or more coats)over existing cement paint surface	155.61	Sqm			Per square metre	
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. One or more coats on old work	283.96	Sqm.			Per square metre	
23	Melamine polishing on wood work (one or more coat).cluding carriage of materials within all leads and lifts.	47.57	Sqm.			Per square metre	
24	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.Make Cera or Hindware	1.00	No.			Each	
25	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	1.00	No.			Each	
26	Providing and fixing standless steel kitchen sink 610mm X 510mm with bowl depth 200mm size with drainage board of approved make with C. I. or M. S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	1.00	No			Each	
27	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00	No.			Each	
28	Providing and fixing Wall mixer non telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121	1.00	No			Each	
29	Providing and fixing Sink mixer with regular swinging spout wall mounted arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T	1.00	No			Each	

30	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-103.	2.00	No.			Each	
31	Providing and fixing C.P. towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws :-600mm x 20mm size.	1.00	No.			Each	
32	Providing and fixing C.P. brass bib cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts:-ESS ESS catalogue No. C-202B.	1.00	No.			Each	
33	Providing and fixing 15mm ( fifteen millimetre) nominal bore C.P. angle cock of ESS ESS catalogue No. C-204 or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.	6.00	No.			Each	
34	Providing and fixing .PVC. connection pipe with brass union including carriage of materials within all leads and lifts :-300/450mm length :-15mm nominal bore.	2.00	No.			Each	
35	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 15 mm dia nominal bore complete including carriage of materials in all leads and lifts.	10.00	Rmt.			Per Running Metre.	
36	Providing and laying heavy duty pre-polished precast cement concrete inter locking paver blocks of NTC make or equivalent of approved design and shade vibro compacted of approved design, shade and size border or kurb block grey or coloured over sub-base of concrete with 25mm thick average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks including curing rubbing and polishing complete (Sub base concrete floor to be paid for separately) 60mm thick block including carriage of materials within all leads and lifts.	84.89	Sqm			Per square metre	
37	1.5 mm thick pvc/rubber tiles flooring (L.G. Make or equivalent) plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for pavement including carriage of materials within all leads and lifts.	77.57	Sqm			Per square metre	

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003