

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.SD-III-CB-Tender/2022-23- 17569
To

Dated:- 9-9-2022

*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 16th 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-2*

**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 **17-09-2022** 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 **16-09-2022** and the application for issue of tender form shall be received up to 4.00 P.M. on **16-09-2022**.

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	S/R to H.P. State Museum at Chaura Maidan Shimla (SH:-Repair work of M.S. railing, repair of chequered tiles in stair leading to Reception, painting etc.).	Rs.3,88,926/-	Rs.7780/-	One Month	6&8	350/-
2	Special repair to Ellerslie Main Building at HP Secretariat Shimla-2 (SH:- Repair, paneling and polishing work etc. in Room No. 131 and 229).	Rs.4,97,978/-	Rs.9960/-	One Month	6&8	350/-
3	Restoration of rain damages road from cart road to Annadale road Km 0/00 to RD 4/160. (SH:- Protection of Existing culvert at RD 1/175).	Rs.4,59,575/-	Rs.9190/-	One Month	6&8	350/-
4	A/R & M/O to ART Block, Chest OPD and Transformer Block at IGMCM Shimla (SH:-Inside and out side painting and roof painting complete).	Rs.4,98,602/-	Rs.9980/-	One Month	6&8	350/-
5	Special repair to Residential building Block-C, Type-III at Hollyoak, Sanjauli Shimla (SH:-Dismantling CGI sheets roofing, providing and fixing pre-painted sheet roofing, BP sheet in ceiling and eaves board etc. complete).	Rs.4,95,127/-	Rs.9910/-	One Month	6&8	350/-
6	S/R to various residential buildings under division No.III Shimla. (SH:-C/O cupboards, ceiling, tiles & sanitary fittings etc in various sets of Block-17& 35 at U.S.Club Shimla).	Rs.3,54,613/-	Rs.7090/-	One Month	6&8	350/-
7	Special repair to various Non residential buildings under Shimla Division No.III (SH:-Construction of pedestal with welded mesh for water storage tank to Circle office) at Winter field Shimla).	Rs.3,99,115/-	Rs.8000/-	One Month	6&8	350/-
8	Special repair to Ellerslie Main Building at HP Secretariat Shimla-2 (SH:- Paneling, painting and polishing etc. in room No.E-104).	Rs.2,93,452/-	Rs.5870/-	One Month	6&8	350/-
9	A/R & M/O Armsdale Building at HP Secretariat Shimla (SH:- Providing and fixing curtains in room No. A331, A422, A531, Y201 and balance work of providing and fixing anti skid tape in stairs etc.).	Rs.4,98,640/-	Rs.9980/-	One Month	6&8	350/-
10	A/R & M/O to various Non residential building under Shimla Division NO.III (SH:-Miscellaneous repair works in various rooms in Engineer-in-Chief office at Nigam Vihar Shimla-2).	Rs.1,56,840/-	Rs.3140/-	One Month	6&8	350/-
11	A/R & M/O Armsdale Building at HP Secretariat Shimla (SH:-Cleaning of stainless steel railing of Armsdale building, balance work of providing sun shades on murals in front of police station Chotta Shimla and other minor repair etc.).	Rs.3,42,685/-	Rs.6860/-	One Month	6&8	350/-
12	A/R & M/O to Non residential building under Shimla Division No.III Shimla (SH:-Supplying & stacking second class Bricks and unistone for kitchen Garden, lawn area and flower beds of Raj Bhawan Shimla-2).	Rs.61,750/-	Rs.1240/-	One Month	6&8	350/-
13	Special repair to Armsdale Building at HP Secretariat Shimla (SH:- Re-stuffing of sofa set in room No. A331, A422, A531 and providing and placing artificial grass and foot mat in NIC etc.).	Rs.3,99,680/-	Rs.8000/-	One Month	6&8	350/-
14	A/R & M/O Ellerslie and Armsdale Building at HP Secretariat Shimla (SH:- Re-aligning of water supply pipe line from Chowk near Governor Rest House 0/396 to 0/792).	Rs.4,00,110/-	Rs.8010/-	One Month	6&8	350/-
15	A/R & M/O Armsdale Building at HP Secretariat Shimla (SH:-Painting and distemping in sculpture and dental dispensary etc.).	Rs.3,65,100/-	Rs.7300/-	One Month	6&8	350/-
16	Special repair to various residential Building under Shimla Division No.III (SH:-Providing and fixing steel work, polycarbonate sheet 2mm thick & painting etc. in Back side of Set No.1 at Harvington Estate).	Rs.4,21,414/-	Rs.8430/-	One Month	6&8	350/-
17	A/R & M/O various residential building under Shimla Division No.III (SH:-Renovation of set No.6 block No.2 type-I (1 st floor) at Chotta Shimla).	Rs.1,88,651/-	Rs.3780/-	One Month	6&8	350/-
18	Special repair to Ellerslie Building at HP Secretariat Shimla (SH:- Minor repair of main Ellerslie building and office of PS to Hon'ble CM and Dr. Ram Lal Markandey Hon'ble Minister).	Rs.1,39,559/-	Rs.2800/-	One Month	6&8	350/-
19	Special repair to various residential buildings under Shimla Division No.III (SH:-Providing and fixing cupboards, lining, roofing, flooring including sanitary fittings in block No.20/2TF type-VI & 37/1TF type-IV etc.) at Nabha Estate Shimla).	Rs.2,15,712/-	Rs.4350/-	One Month	6&8	350/-
20	S/R to Armsdale building at HP Secretariat Shimla (SH:-Painting and distemping of back side of Armsdale Phase-I and II).	Rs.4,17,046/-	Rs.8340/-	One Month	6&8	350/-
21	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 1/188 to 1/584).	Rs.4,00,110/-	Rs.8010/-	One Month	6&8	350/-
22	S/R to various residential buildings under division No.III Shimla (SH:- Construction of toilet/bathroom in type-IV Block II set No.12 at U.S.Club Shimla).	Rs.3,75,071/-	Rs.7500/-	One Month	6&8	350/-
23	A/R & M/O Ellerslie Building at HP Secretariat Shimla (SH:-Covering with ACP sheets inside of connecting bridge on Ellerslie Building side etc.).	Rs.90,335/-	Rs.1810/-	One Month	6&8	350/-
24	A/R & M/O various residential building under Shimla Division No.III (SH:- Repair of ceiling and railing etc. of block IV set No. 7 to 12 at Ellerslie quarters at Chotta Shimla).	Rs.1,37,018/-	Rs.2750/-	One Month	6&8	350/-
25	Special repair to various Non residential buildings under Shimla Division No.III (SH:-Construction of pedestal with welded mesh for water storage tank to Division office) at Winter field Shimla).	Rs.3,97,783/-	Rs.8000/-	One Month	6&8	350/-
26	A/R & M/O various residential buildings under division No.III Shimla (SH:- Miscellaneous repair work in Secretary Cottage (G.F.) at U.S.Club Shimla).	Rs.3,42,465/-	Rs.6850/-	One Month	6&8	350/-

27	S/R to Ellerslie Building of Secretariat (SH:-Minor repair of old tables, chairs and providing new table and chairs in CS office).	Rs.4,99,716/-	Rs.10000/-	One Month	6&8	350/-
28	A/R & M/O various residential buildings under division No.III Shimla (SH:-Repair of porch of block B type IV and providing and fixing in set No. 6 of block B type IV at Richmond Shimla).	Rs.1,82,731/-	Rs.3650/-	One Month	6&8	350/-
29	Special repair to UG PG Hostel Block-A at IGM Shimla (SH:- Providing and fixing aluminium partition in room No.56, 57, 81 & 82 in Block-A).	Rs.4,99,733/-	Rs.10000/-	One Month	6&8	350/-
30	S/R to Kamla Nehru Hospital Shimla (SH:-Providing and fixing wood paneling work, polishing work in Room No. 512-A & 516 in Teaching Block).	Rs.2,70,206/-	Rs.5410/-	One Month	6&8	350/-
31	Improvement of road M.F. from cart road to Annadale road Km 0.00 to RD 4/160 (SH:-Construction of R.C.C. slab culvert at RD 1/170).	Rs.3,71,256/-	Rs.7430/-	One Month	6&8	350/-
32	A/R & M/O to Residential building under Shimla Division No.III (SH:- Providing and fixing mesh & polycarbonate sheet etc. in Supt. Block Set No.2 Top floor at Barnes Court Shimla).	Rs.88,138/-	Rs.1770/-	One Month	6&8	350/-
33	A/R and M/O Ellerslie Building at HP Secretariat Shimla (SH:-Providing and fixing ACP sheets inside of connecting bridge between Ellerslie and Armsdale buildings etc.).	Rs.4,93,897/-	Rs.9880/-	One Month	6&8	350/-
34	A/R & M/O to Hon'ble Chief Justice residence building at Chaura Mahlan Shimla (SH:-Providing and laying granite flooring, steel gate and painting & distemping in canteen of high Court building etc.).	Rs.3,66,447/-	Rs.7330/-	One Month	6&8	350/-
35	S/R to H.P. State Museum at Chaura Mandan Shimla-4 (SH:-Providing and fixing MS railing, edge wall the road leading to parking etc.).	Rs.3,86,848/-	Rs.7740/-	One Month	6&8	350/-
36	A/R & M/O to Medical College at IGM Shimla (SH:-Painting, emulsion, Apex inner and outer side of Forensic department).	Rs.1,31,744/-	Rs.2640/-	One Month	6&8	350/-
37	S/R to Non residential building under Shimla Division No.III (SH:-Water proofing of parking floor, JE Room, Boiler Room and Protection of Expansion joints to Nirman Bhawan at Nigam Vihar Shimla-2).	Rs.3,96,762/-	Rs.7940/-	One Month	6&8	350/-
38	S/R to Medical College at IGM Shimla (SH:-Providing and fixing steel work, precast sheet, PVC pipe etc. over lift, Main porch in Auditorium and General Toilet blocks at IGM Shimla).	Rs.4,09,082/-	Rs.8190/-	One Month	6&8	350/-
39	A/R & M/O Ellerslie Building at HP Secretariat Shimla (SH:-Repair of Nation Flag platform and foot path etc.).	Rs.57,259/-	Rs.1150/-	One Month	6&8	350/-
40	A/R & M/O Ellerslie Main Building at HP Secretariat Shimla-2 (SH:-Painting etc. in HP. PWD. Sub-division office of HP Secretariat Chotta Shimla).	Rs.63,157/-	Rs.1270/-	One Month	6&8	350/-
41	Restoration of rain damages road from Cart road to Annadale road Km 0.00 to 4/160. (SH:-Providing and fixing Cat ABS plastic glow road stud, retro reflected sheet and retro reflected round circular at different locations from RD 0/160 to 4/160).	Rs.4,83,330/-	Rs.9700/-	One Month	6&8	350/-
42	S/R to Armsdale Building at HP Secretariat Shimla (SH:-Renovation of toilet of HP.PWD. Sub-Division office).	Rs.2,24,796/-	Rs.4500/-	One Month	6&8	350/-
43	A/R and M/O to various residential buildings under division No.III Shimla (SH:-Repair of floor, painting and distemping etc. in block 6 set No. 1 to 4 & block 8 set 1 to 8 (G.Floor) set No.7 to 11 first floor at Ellerslie Qtrs at Chotta Shimla).	Rs.1,18,389/-	Rs.2370/-	One Month	6&8	350/-
44	Special repair to various residential buildings under Shimla Division No.III (SH:-Providing and fixing cupboards in set No. T-II/159, 162, F-III/43, U-II/170, Royal Hotel 1/6 etc.) at Nabha Estate Shimla).	Rs.1,69,623/-	Rs.3400/-	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

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

Dated:- 9-9-22

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

17570-89

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

1. The Engineer-in-Chief, HPPIWD 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, HPPIWD 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

SCHEDULE OF QUANTITY

Estimated Cost 388926.00
Earnest Money 7780.00
Time:- one month.

Name of Work:- S/R to H.P State Museum at Chaura Maldan Shimla. (SH:- Repair work of M.S railing, Repair of Choquered tiles in stair leading to Reception, Painting 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 1.5m 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.	3.27 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) : Graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	6.60 Cum.			Per cubic metre.	
3	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 including carriage of materials within all leads and lifts:- Hot finished welded type tubes.	1849.84 Kg.			Per kilogramme metre.	
4	Steel work welded in built up sections/ framed work, 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 including carriage of materials within all leads and lifts:- Hot finished welded type tubes.	187.22 Kgs			Per Kilogramme	
5	Chequered precast NTC make cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	13.15 Sqm.			Per square metre.	
6	Providing and fixing C.I. top fin/ complete Bhala 16cm of size complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	183.00 No.			Each	
7	Providing and Fixing C.I Gumbaj 10 cm height & 30cm dia of size complete, including carriage of materials within all leads and lifts.	38.00 No			Each	
8	Providing and fixing M.S. BP Sheet 2 mm 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.	29.25 Sqm			Per square metre	
9	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	100.84 Sqm			Per square metre	
10	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.	27.36 Sqm			Per square 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						

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 497978.00
 Earnest Money Rs. :- 9960.00
 Time:- One Month.

Name of work: - Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Repair,panelling and polishing work etc. in Room No.131 and 229.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture complete including carriage of materials within all leads and lifts..	52.00 Sqm			Per square metre.	
2	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position. complete including carriage of materials within all leads and lifts as per direction of Engineer - In - charge.-2nd class sal wood.	0.57 Cum			Per cubic metre	
3	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 miting 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.	66.35 Sqm.			Per square metre.	
4	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-apply complete including carriage of materials within all leads and lifts.	82.03 Sqm			Per square metre.	
5	Polishing two or more coats with malmaline 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 and as per the direction of the Engineer-In-Charge.	233.70 Sqm			Per square metre.	
6	Providing and fixing 50x12mm size wooden moulded beading to doors and windows frames in second class teak wood fixed with nails/iron screws etc. complete including carriage of materials in all leads and lifts and as per the direction of the Engineer-In-Charge.	11.33 Rmt.			Per running metre.	
7	Wall painting one or more coat on old work with plastic emulsion paint of approved shade brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts.	24.00 Sqm			Per square metre.	
8	Providing and applying white cement based putty of average thickness 1.00mm, 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.	9.60 Sqm			Per square metre	
9	Providing and fixing 200mm size bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts.	8.00 No.			Each	
10	Providing and fixing 250mm x16mm bright finished brass sliding door bolts, ISI marked , with nuts,bolts and screws etc. complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
11	Providing and fixing 150x10 mm size,bright finished brass tower bolts, ISI marked,, with necessary screws etc. complete including carriage of materials within all leads and lifts:-	4.00 No.			Each	
12	Providing and fixing Gogreg or equivalent 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	5.00 No.			Each	
13	Providing and fixing 150mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete including carriage of materials in all leads and lifts.	8.00 No.			Each	

14	Providing and fixing PTMT liquid soap container 109mm 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 including carriage of materials within all leads and lifts.	4.00 No.			Each	
15	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.	30.00 Rml			Per Running metre	
16	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. 110mm nominal size.	7.00 No.			Each	
17	Providing and fixing 110mm dia PVC (finolex) collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	10.00 No.			Each	
18	Providing and fixing PGI sheet Bambl fixing with screws and adhesive etc. with gutter & PVC pipe complete including carriage of materials within all leads and lifts.	2.00 No			Each	
19	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.	3.04 Sqm			Per square metre.	
20	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-In-charge in 2nd class deodar wood.	1.92 Sqm			Per square metre.	
21	Providing and fixing powder coated telescopic drawer channels 500 mm long with necessary screws etc. complete as per directions of Engineer-In-charge including carriage of materials in all leads and lifts.	1.00 No.			Each	
22	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.	66.35 Sqm			Per square metre	
23	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.	66.35 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

Name of Work:- Restoration of rain damages road from cart road to Annadale road Km 0/00 to RD 4/160. (SH:- Protection of Existing Culvert at Rd 1/175.)

Estimated Cost Rs. 459575.00
Earnest Money Rs. 9190.00
Time:- one month.

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 30cm in depth, 1.50m in width as well as 10sqm on plan) including getting out and disposal of excavated earth complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	1.72 Cum			Per cubic metre	
2	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.	52.07 Cum.			Per cubic metre.	
3	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.	2100.00 Kg.			Per Kilogramme.	
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 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) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	2.60 Cum			Per cubic metre	
5	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 1:1.5:3 (1cement : 1.5coarse sand): 3 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	30.89 Cum			Per cubic metre	
6	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	1.89 Sqm			Per square metre.	
7	Disposal of building rubbish / maba / 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.	41.66 Cum.			Per cubic 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

Estimated Cost Rs. :- 498602.00
Earnest Money Rs. :- 9980.00

Time:- One Month.

Name of work: -A/R & M/O to ART Block,Chest OPD and Transformer Block at IGM.C. Shimla (SH:- Inside and Out side Painting and roof Painting Complete)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	400.00 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.	400.00 Sqm			Per Square Metre	
3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work	1830.54 Sqm			Per Square Metre	
4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade (i) Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	1621.50 Sqm			per square meter	
5	Painting on G.S. sheet 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)	807.10 Sqm			per square meter	
6	Painting with synteic 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.	3942.69 Sqm			Per square meter	
7	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.	100.00 Sqm			per square meter	
Conditions:-						
Total						

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 conform to bureau of Indian standards.

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

SCHEDULE OF QUANTITY

Name of work:- S/R to Various residential buildings under division No III Shimla. (SH:- C/O cupboards, ceiling, tiles & sanitary fittings etc in various sets of Block-17& 35 at U.S Club Shimla)

Estimated cost: 354613.00
Earnest Money: 7090.00

Time :- One Month.

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit	Amount.
			In Figures.	In Words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For thickness of tiles 10 mm to 25 mm	25.44	3		Sqm	
2	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	15			Sqm	
3	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	13.37			Sqm.	
4	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	41.18			Sqm	
5	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.	25.57			Sqm	
6	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.	49.4			Rmtr	
7	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.	30.00			No	
8	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.	30.00			No	

9	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.	0.647	Cum			Per cubic metre	
10	Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining l/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	44.76	Sqm			Per square metre	
11	Providing and fixing wooden moulded beading or Taj beading 18 x 5 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	172.3	Rmlr			Per running metre	
12	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).	0.22	Cum			Per cubic metre	
13	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform.	2.17	Sqm			Per square metre	
14	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 complete including carriage of materials within all leads and lifts.	26.4	Kg			Per Kilogramme	
15	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)	1.71	Sqm			Per square metre	
16	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	108	Kg			Per Kilogramme	
17	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 300mmx300mm.	37.8	Sqm			Per square metre	
18	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.	21.46	Sqm			Per square metre	

19	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. Baroda green.	2.53	Sqm			Per square metre	
20	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.	3.1	Rmtr			Per running metre	
21	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand) including carriage of materials in all leads and lifts.	3.42	Sqm			Per square metre	
22	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.	34.42	Sqm			Per square metre	
23	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 printing coat with cement primer	86.01	Sqm			Per square metre	
24	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.	193.31	Sqm			Per square metre	
25	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 in all leads and lifts.	155.49	Sqm			Per square metre	
26	Painting Steel 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	7.2	Sqm			Per square metre	
27	Painting wood work with Deluxe Multi Surface Paint of required shade. one or more coat applied @ 0.90 ltr/10 sqm. (Wood work)	45.21	Sqm			Per square metre	
28	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.	1.27	Cum			Per cubic metre	
29	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	2.00	No			Each	
30	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 250mm.	1.00	No			Each	
31	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	

2	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	1.00	No				Each	
33	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	3.00	No				Each	
34	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. Make Seiko or equivalents.	4.00	No				Each	
35	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan. including carriage of material within all leads and lifts as per direction of Engineer-in-charge	5.00	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

[Signature]

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

399115.00
8000.00
One Month

Name of work: Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Construction of pedestal with welded mesh for water storage tank to Circle office) at Winter Field 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 50 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 All kinds of soil including carriage of materials within all leads and lifts.	35.10 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 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size) including carriage of materials in all leads and lifts.	2.70 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 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size including carriage of materials in all leads and lifts.	32.40 Cum			Per Cubic meter	
4	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.	1708.62 Kg.			Per Kilogramme	
5	Disposal of masonry/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, including carriage of materials within all leads and lifts.	21.06 Cum			Per cubic meter	
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.
HB&WD, Shimla-177003

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 293452.00
Earnest Money Rs. :- 5870.00

Time:- One Month.

Name of work: - Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: - Panelling, painting and polishing etc. In room No.E-104.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing 19mm thick Commercial board in Shutters complete with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	10.98 Sqm			
2	Providing and fixing 19mm thick Commercial board in panelling/ lining/ box /Shell complete with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	25.60 Sqm			
3	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.	0.630 Cum			
4	Providing and fixing 12mm thick commercial 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.	48.69 Sqm.			
5	Providing and fixing 12mm thick imported pine wood ceiling/ lining 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.	55.75 Sqm			
6	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.	10.98 Sqm			
7	Polishing two or more coats with malmaline 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 and as per the direction of the Engineer-in-Charge.	66.73 Sqm			
8	Providing and fixing 50mm X 12mm section moulded beading with wood screws in ceiling and lining including mitring at junctions in teak wood including carriage of materials within all leads and lifts.	29.30 Sqm			
9	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. Codej No. 6757.	1.00 No.			
10	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts.	8.00 No.			
11	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters etc. Including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts	12.00 No.			
12	Providing and laying 100mm thick Glass wool resier bonded fiber glass insulation of density 24kg /cubic metre complete as per direction of the Engineer-in-Charge including carriage of materials in all leads and lifts	12.09 Sqm			
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. RWD. Shimla-3.

SCHEDULE OF QUANTITY

9

Estimated Cost Rs. :- 498640.00
Earnest Money Rs. :- 9980.00

Time:- One Month.

Name of work:- A/R and M/O Armsdale Building at HP Secretariat Shimla. (SH:- Providing and fixing curtains in room No.A331, A422, A531, Y201 and balance work of providing and fixing anti skid tape in stairs etc.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing curtain of superior quality cloth with lining as per approved sample of D-Decor make 500gsm including quality of cloth, design and shade etc. of specified length and standard width 48" including stitching complete in all respect and as per the direction of the Engineer in Charge having Stitched Curtain length 2.60metres to 2.90 metres.	145.00 No.		Each	
2	Providing and fixing anti skid water proof tape of 2" wide including fixing complete with carriage of material within all leads and lifts as per the direction of the Engineer-in-Charge.	159.40 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

Estimated Cost Rs. :- 156840.00
Earnest Money Rs. :- 3140.00

Time:- One Month.

Name of work: -A/R & M/O to Various Non residential building under Shimla Division No. III (SH:- Miscellaneous repair works in Various rooms in Engineer-in-Chief office at Nigam Vihar Shimla-2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing curtain of superior Quality Cloth as per approved sample including Quality of Cloth, Design and Shade etc. of specified length and standard width including stitching with curtain tape and eyelet curtain eyelet numbers in each curtain complete in all respect as per the direction of the Engineer-in-Charge. (i) 2.20 to 2.50 Metre Length	46.00 No			Each	
2	Providing & Fixing PP Heat Set printed carpet flooring Covering of floor having height 10 mm and weight 1450-1550gm per sqmt laid in Flooring/Skirting with adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality, including carriage of materials within all leads and lifts.	8.50 Sqm			Per Square Metre	
3	Providing and Fixing 1.5mm Thick PVC. Antistatic Venyle Flooring (LG Make) plain Coloured, corbed at separely) including carriage of materials within all leads and lifts (i) 1.5mm Thick	17.10 Sqm.			Per Square Metre	
4	Supplying and Placing at site superior quality foot mat of Standard Quality and specified Size (i) Coit Foot Mat/ Door foot Mat 060 x1.20 m	20.00 Sqm			Per Square Metre	
5	Providing and Fixing S.S Pipe Curtain rods with S.S. Brackets etc. Complete (i) 25 mm Dia (Heavy Type)	92.00 Rmt.			Per Running Metre	
	Conditions:-					
	Total					

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
HPPWD, Shimla-2

SCHEDULE OF QUANTITY

11

Name of work: - A/R and M/O Armsdale Building at HP Secretariat Shimla. (SH:- Cleaning of stainless steel railing of Armsdale building, balance work of providing sun shades on murals in front of police station Chotta Shimla and other minor repair etc.)

Estimated Cost Rs. :- 342885.00
Earnest Money Rs. :- 6660.00

Time:- One Month.

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Cleaning of stainless steel railing with colin and paint remover or any other approved stain cleaner such as coline, sprit, and paint remoning chemical etc rubbing with soft cloth to give fine finish and shade complete as per the satificationdirection of Engineer-in-Charge including carriage of materials in all leads and lifts.	2175.08 No.		Each	
2	Cleaning of Glass of window glass both sides up to any height including scaffolding/ machinery with colin, cleaning cloth and other meterial i.e. coline, sprit, and paint remoning chemical etc.complete as per the satificationdirection of Engineer-in-Charge including carriage of materials in all leads and lifts.	1451.00 Sqm		Per square 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 gratings, frames, guard bar, ladder, railings, brackets, gates and similar works as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	468.00 Kg		Per Kilogramme	
4	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approvedby Engineer-in-charge) 0.60mm (+ 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.	17.03 Sqm		Per square metre	
5	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 1518 microns using self drilling/ self tapping screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge : Flashings/ Aprons. (Upto 600 mm).	25.50 Sqm		Per square metre.	
6	Providing and fixing ACP sheet 6mm thick panel in lining on aluminum frame work etc. complete as per the architectural drawings and the directions of Engineer-In-charge including carriage of materials within all leads and lifts.	15.98 Sqm		Sqm	

7	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 :500ml.	10.00 No.			Each	
8	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.	32.00 Rmt.			Per Running metre.	
9	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	
10	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.	2.00 No			Each	
11	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	
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.	5.00 No.			Each	
13	Providing and fixing Acrylic glass shelf 600mm X 120mm size of ESS ESS catalogue No. AC-107 or equivalent complete fixed to wooden plugs with C.P. brass screws fitting complete including carriage of materials within all leads and lifts.	6.00 No			Each	
14	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:- Jaguar cat No. ORP-CHR-10011BPM.	4.00 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 conform to bureau of Indian standards.

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 61750.00
Earnest Money Rs. :- 1240.00

Time:- One Month.

Name of work: -A/R & M/O to Non residential Building under Shimla Division No.III Shimla(SH:- Supplying & Stacking Second Class Bricks and Unistone for kitchen Garden, Lawn area and flower beds of Raj Bhawan Shimla-2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Supply and Stacking at site of work second Class Bricks of approved Quality complete as per Statisfaction of the Engineer-In- Charge including Carriage of Material with in all leads and Lifts.	2000.00 No			Each	
2	Supply and Stacking at site of work Unistone (GRC. 5 1/2"x10" Or 138x250 mm Castle Stone) for Cladding on RCC Surface and Masonary Wall as per Statisfaction of the Engineer-In- Charge including Carriage of Material with in all leads and Lifts.	25.00 Sqm.			Per Square Metre	
	Conditions:-					
1	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.					
					Total	

Executive Engineer
Shimla Division No.III
HPPWD, Shimla

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 399680.00
Earnest Money Rs. :- 8000.00
Time :- One Month.

Name of work :- Special repair to Armsdale Building at HP Secretariat Shimla. (SH:- Ro-stuffing of sofa set in room No.A331, A422, A531 and providing and placing artificial grass and foot mat in NIC etc.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:- Three seater Sofa set.	7.00 No.		Each	
2	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:-Single seater Sofa set.	13.00 No.		Each	
3	Up holstering / re-stuffing of easy chairs using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	19.00 No.		Each	
4	Providing and fixing artificial grass mat of approved quality and size complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	212.00 Sft.		Per square feet	
5	Providing and fixing aluminium nosing of 20mmx50mm size provided to protect carpet/matt/pvc flooring etc. from damages complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	240.00 Rft.		Per square metre.	
6	Providing and fixing dura soft foot mat of approved quality and size complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	160.00 Sft.		Per square feet	
7	Providing and placing at site sattee cushion of approved quality 96"x16"x3" size with cover of superior quality cloth complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	11.00 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

14

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 0/396 to 0/792

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

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 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 unused material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of 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 duly 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 cartage 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							
9	Providing and fixing 32 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including cartage 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:-								
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.								
							Total	


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

SCHEDULE OF QUANTITY

(15)

Estimated Cost 365100.00
Earnest Money 7300.00

Time:- one Month

Name of work:- A/R and M/O Armsdale building at HP sectt Shimla. (SH:- Painting and distemper in sculpture and dental dispensary etc.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Removing white wash or colour wash by steel wire brushing and/or scrapping sand papering and preparing the wall surface smooth including necessary repairs to scratches complete including carriage of materials within all leads and lifts.	239.05			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 within all leads and lifts.	239.05			Per square metre	
3	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface complete including carriage of materials within all leads and lifts.	239.05			Per Square metre	
4	Finishing walls with Acrylic Smooth exterior paint of approved brand and shade. shade. Old work (two or more coat applied) complete including carriage of materials within all leads and lifts.	398.00			Per Square metre	
5	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.	2714.25			Per square metre	
	Condition:-				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

Estimated Cost Rs. :- 421414.00
Earnest Money Rs. :- 8430.00

Time:- One Month.

Name of work: - Special repair to Various residential Building under Shimla Division No.III (SH:- P/F steel work , Polycarbonate Sheet 2mm thick & Painting etc. in Back side of Set No.1 at Harvington Estate)

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. All kinds of soil	1.26 Cum.			Per Cubic 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 1:3:6 or richer mix (i/c equivalent design mix)	0.15 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)	1.41 Cum.			Per Cubic Metre	
4	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,(i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1880.46 Kg			Per kilogramme	
5	Providing and fixing precast galvanized 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 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.	13.50 Sqm			Per Square Metre	
6	Providing and fixing 2.00mm 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).	66.50 Sqm			Per Square Metre	
7	Providing and fixing precast galvanized steel sheet roofing accessories 0.60 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 :(i) Flashings/ Aprons (Upto 600 mm)	9.00 Rmt.			Per Running Metre	
8	Providing and fixing M.S welded mesh 25mmx25mmx2mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per H.P.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lgls.	66.40 Sqm			Per Square Metre	
9	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :(i) 250x16mm	1.00 No.			Each	

10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in steel surfaces (i) Two or more coats on new work	66.40	Sqm				Per Square Metre	
11	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 10km. For laileafs, 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 carrying motor vehicle of 3.5 cum. or More.	1.41	Cum.				Per Cubic Metre	
Conditions:-								
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.							
	Conditions:-							
							Total	

Executive Engineer
 Shimla Division No.III
 HP. PWD. Shimla-1

SCHEDULE OF QUANTITY

Estimated Cost Rs :- 182651 00
Earnest Money Rs :- 3780 00
Time :- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Renovation of set No.6 block No.2 type-I(1st Floor) at Chotta 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 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).	1.41 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 complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	34.72 Sqm.			Per square 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 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.	0.73 Cum.			Per cubic metre.	
4	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.	1.08 Sqm.			Per square 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 (1cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	0.08 Cum			Per cubic metre.	
6	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.	14.51 Kg			Per kilogramme	
7	Providing and fixing 18mm thick gang saw cut, mirror polished, pre moulded and pre polished, 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	1.26 Sqm.			Per running metre	
8	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.60 Sqm			Per square metre.	
9	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position complete including carriage of material all leads and lifts in second class Kail/ Chil wood.	0.22 Cum			Per cubic metre	
10	Providing and fixing 6mm thick Commercial ply wood lining with necessary screws complete including carriage of material within all leads and lifts as per direction of the Engineer-in-Charge.	24.70 Sqm			Per Square metre.	
11	Providing and fixing 40mm X 6mm section hard wood corner moulded beading with wood screws/nails etc. in ceiling and lining including mitring at junctions including carriage of materials within all leads and lifts.	106.95 Sqm			Per running metre	
12	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.	1.00 No.			Each	
13	Providing and fixing 150mm 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.	2.00 No			Each.	
14	Providing and fixing 125mm size 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.	2.00 No			Each.	

15	Providing and laying ceramic floor tiles in flooring/ treads of steps of approved thickness, shade and size laid on a bed of 20 mm 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.	20.92 Sqm			Per square metre	
16	Providing and laying white glazed tiles 6mm thick in skirting treads of steps and dado of approved shade and size 12mm thick cement mortar 1:3 (1 cement:3 sand) and jointed with cement slurry in all heights including carriage of materials in all leads and lifts and as per direction of Engineer-in-charge.	34.72 Sqm			Per square metre	
17	15mm cement plaster on the rough side of single or half brick wall of mix 1:0 (1 cement: 0 fine sand) including carriage of materials within all leads and lifts.	34.72 Sqm			Per square metre	
18	6mm cement plaster of mix 1:3 (1 cement : 3 fine sand) including carriage of materials within all leads and lifts.	1.08 Sqm			Per square metre	
19	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	34.17 Sqm			Per square metre	
20	Providing and applying white cement based putty of average thickness 1.00mm, 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.	61.34 Sqm			Per square metre	
21	Applying priming coats with primer of approved brand and manufacturer, having low VOC (Volatile Organic Compound) content With water thinnable cement primer on wall surface having VOC content less than 50grams/litre including carriage of materials within all leads and lifts.	30.37 No.			Each	
22	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand, shade and manufacturer including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	30.37 Sqm			Per Square metre	
23	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade one or more coats on old work on wood or steel complete including carriage of materials within all leads and lifts.	80.40 Sqm			Per square metre	
24	Distemping two or more coats, with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50grams/ litre, of approved brand and manufacturer, 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.	68.34 Sqm.			Per Square metre	
25	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	
26	Providing and fixing stainless steel kitchen sink made of neekranth of size 610mm x 460mm 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	
27	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	
28	Providing and fixing plastic seat (solid / Hollow type) and cover for wash down water closet with C.P. brass hinges and rubber buffers in coloured plastic seat and cover solid type including carriage of materials within all leads and lifts.	1.00 No.			Each	
29	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No.			Each	
30	Providing and fixing 100mm dia chromium plated grating of superior quality for floor, gully or naphan trap including carriage of materials within all leads and lifts.	2.00 No.			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 including carriage of materials within all leads and lifts.	1.00 No.			Each	
32	Providing and fixing 60/ 45cms length 15mm nominal bore, PVC connection pipe with washers and union etc. complete including carriage of materials within all leads and lifts.	5.00 No.			Each	

33	Providing and fixing 15mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810gms complete including carriage of materials within all leads and lifts.	5.00 No.				Each	
34	Providing and fixing C.P. brass angle cock 15mm nominal bore of approved quality conforming to IS standards complete including carriage of materials within all leads and lifts.	4.00 No.				Each	
35	Providing and fixing C.P. Brass extension nipple of 15mm nominal dia and required size of approved make and quality conforming to IS standards complete including carriage of materials within all leads and lifts.	9.00 No.				Each	
36	Providing and fixing 15mm nominal bore flange/cap of approved make and quality for bib/angle cock including carriage of materials within all leads and lifts.	9.00 No				Each	
37	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.	22.50 Rmt.				Per running metre	
38	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	
39	Providing and fixing PVC Finolex type "B" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts :- (i) 110mm nominal size.	15.25 Rmt				Per running metre	
40	Providing and fixing PVC Finolex Type-B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	5.00 No.				Each	
41	Providing and fixing PVC Finolex Type-B plain tee 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	
42	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 (i) 110mm nominal size.	10.00 No.				Each	
43	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 duly compensated by him in all respect as per direction of Engineer-in-Charge.	1.93 Cum				Per Cubic 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

Estimated Cost Rs. :- 139559.00
Earnest Money Rs. :- 2800.00

Time :- One Month.

Name of work:- Special repair to Ellerslie Building at HP Secretariat Shimla. (SH:-Minor repair of main Ellerslie building and office of PS to Hon'ble CM and Dr. Ram Lal Markandey Hon'ble Minister.)

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Providing and fixing dura soft foot matt of approved quality and size complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	66.00 Sft.		Per square feet	
2	Providing and fixing anti skid water proof tape of 2" wide including fixing complete with carriage of material within all leads and lifts as per the direction of the Engineer-in-Charge.	18.29 Rmt.		Per running metre.	
3	Providing and fixing PVC step nosing provided to protect carpet/matt/pvc flooring etc. from damages complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	25.00 Rmt		Per running metre.	
4	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:- Three	1.00 No.		Each	
5	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:-Single seater Sofa set	2.00 No.		Each	
6	Providing and fixing three D wall paper on decorated wall surfaces to give an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts.	600.00 Sft.		Per square feet	
7	Providing and placing in position superior quality welspan 6' X 4' size center carpet of pile thickness 10mm complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.	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

Estimated cost:-
Earnest Money:-
Time :-

215712.00
4350.00
One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, lining, roofing, flooring including sanitary fittings in block No. 20/2TF type-VI & 37/1TF type-IV etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit	Amount
			In Figures.	In Words		
1	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. 2nd class deodar wood.	0.558 Cum			Per cubic metre	
2	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.	15.71 Sqm			Per square meter	
3	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	1.90 Sqm.			Per square metre.	
4	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	15.87 Sqm.			Per square metre.	
5	Providing and fixing 1.00mm thick coloured or plain lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	2.02 Sqm.			Per square metre.	
6	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.	103.08 Rmt.			Per running metre.	
7	Providing and fixing 125mm 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 in all leads and lifts.	5.00 No.			Each	
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.	4.00 No.			Each	
9	Providing and fixing aluminium lower 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.	2.00 No.			Each	
10	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- In-charge including carriage of materials within all leads and lifts. 125 mm size.	8.00 set			Each Set	
11	Providing and fixing M.S. welded mesh 25mmx25mmx2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	15.98 Sqm			Per square meter	
12	Providing and fixing polycarbonated 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 including carriage of materials within all leads and lifts.	8.64 Sqm			Per square meter	
13	Dismantling of wooden floors upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials (joists to be measured and paid for separately) including carriage of materials within all leads and lifts.	12.99 Sqm			Per square meter	
14	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 milting at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.	10.91 Sqm			Per square meter	
15	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm) including carriage of materials within all leads and lifts.	4.25 Sqm			Per square meter	
16	Providing and fixing 1st quality ceramic glazed wall tiles of size 300x450mm 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.	17.55 Sqm			Per square meter	

	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.	4.37 Sqm.		Per square metre	
18	Providing and fixing 15 mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, l/c cutting and making good the walls etc including carriage of materials within all leads and lifts.	18.50 Rmtl		Per running meter	
19	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seal 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	
20	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 Wash basin size 550x400mm including carriage of materials within all leads and lifts	1.00 No.		Each	
21	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.	10.00 No.		Each	
22	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms 15 mm nominal bore including carriage of materials within all leads and lifts.	7.00 No.		Each	
23	Providing and fixing PTMT soap Dish Holder 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	
24	Providing and fixing 600mm x 20mm size C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws including carriage of materials within all leads and lifts.	1.00 No.		Each	
25	Providing and fixing acrylic shelf one set (three in one) corner including carriage of materials within all leads and lifts.	4.00 No.		Each	
26	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.	10.00 No.		Each	
27	Providing and placing on terrace (at all floor levels) polyethylene three layer sinlex 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	
28	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.	2.00 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.III,
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

20

Estimated Cost
Earnest Money

417046.00
8340.00

Time:- one Month

Name of work:- S/R to Armsdale building at HP Sectt Shimla. (SH:- Painting and Distemper of back side of Armsdale Phase-1 and II)

Sl. No.	Items of work	Quantity	Rate		Unlt.	Amount.
			In figures	In words		
1	Removing white wash or colour wash by steel wire brushing and/or scrapping sand papering and preparing the wall surface smooth including necessary repairs to scratches complete including carriage of materials within all leads and lifts.	947.86	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 within all leads and lifts.	947.86	Sqm		Per square metre	
3	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	947.86	Sqm		Per Square metre	
4	Finishing walls with Acrylic Smooth exterior paint of approved brand and shade shade. Old work (two or more coat applied). Including carriage of materials within all leads and lifts.	3159.52	Sqm		Per Square metre	
5	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	1462.37	Sqm		Per square metre	
	Condition:-				Total	
	Notes 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:- 375071.00
Earnest Money:- 7500.00
Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla (SH:-Construction of toilet/bathroom in Type IV Block II set no 12 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	Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	0.79 Cum			Per cubic 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:- In cement mortar.	0.90 Cum			Per cubic metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, 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	1.00 No			Each	
4	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.	1.69 Cum			Per cubic metre	
5	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.	1.99 Cum			Per cubic metre	
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)	0.79 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 : 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.65 Cum			Per cubic metre	
8	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).	0.78 Cum			Per cubic metre	
9	Centering and shuttering including strutting, propping etc. and removal of form for : Edges of slab	1.38 Sqm			Per square metre	

0	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 complete including carriage of materials within all leads and lifts.	97.50	Kg			Per Kilogramme	
11	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)	33.01	Sqm			Per square metre	
12	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure in Cement mortar 1:6 (1 cement : 6 coarse sand)	2.31	Cum			Per cubic metre	
13	Providing and laying glazed wall 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.	14.61	Sqm			Per square metre	
14	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.	0.044	Cum			Per cubic metre	
15	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	0.080	Cum			Per cubic metre	
16	Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, but jointing and nails complete (Frame work for base to be measured & paid for separately)	1.28	Sqm.			Per Square metre	
17	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with but 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:- But hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters	1.95	Sqm.			Per Square metre	
18	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 but hinges bright finished of required size Second class deodar wood.	0.27	Sqm.			Per Square metre	
19	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	5.20	Sqm.			Per Square metre	
20	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.	25.00	Rmtr			Per Square metre	

1	Providing and fixing 125 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	3.00	No				Each	
2	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts:- 200mm x10mm.	4.00	No				Each	
23	Providing and fixing 300x16 mm bright finished brass sliding door bolts with screws etc. complete including carriage of materials within all leads and lifts.	1.00	No				Each	
24	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses/ Framed work 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	815.51	Kg				Per Kilogramme	
25	Providing and fixing 7mm thick chequered steel plates including cutting welding complete in flooring over steel frame work to be paid separately). including carriage of materials in all leads and lifts. As per direction of Engineer-in charge.	444.20	Kg				Per Kilogramme	
26	Providing and laying digital 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.	5.20	Sqm.				Per Square metre	
26	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	6.88	Sqm.				Per Square metre	
27	Providing and fixing prepainted galvanised steel sheet roofing accessories 0.60 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:- Flashings/ Aprons.(Upto 600 mm).	2.75	Rmtr				Per running metre	
28	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, Single socketed pipes:- 110mm diameter metre.	27.45	Rmtr				Per running metre	
29	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised PVC rain water pipes by means of complete. Including carriage of materials in all leads and lifts. As per direction of Engineer-in charge.	28.00	No				Each	
31	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:3 (1 cement: 3 fine sand) including carriage of materials in all leads and lifts.)	14.61	Sqm.				Per Square metre	

2	Finishing walls with Acrylic Smooth exterior Emulsion of required shade : New work (Two or more coat applied @ 0.90 ltr/10 sqm). including carriage of materials within all leads and lifts.	34.96	Sqm.			Per Square metre	
33	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.	5.19	Sqm.			Per Square metre	
34	Painting Steel 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	9.63	Sqm.			Per Square metre	
35	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) including carriage of materials within all leads and lifts.	5.19	Sqm.			Per Square metre	
36	Painting Wall with Tractor emulsion paint of approved brand and manufacture to give an even shade one or more coats on New work complete including carriage of materials within all leads and lifts	33.01	Sqm.			Per Square metre	
37	Distempering 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	10.05	Sqm.			Per Square metre	
38	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.	43.06	Sqm.			Per Square metre	
39	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	
40	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:	1.00	No			Each	
41	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	
42	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.	1.00	No			Each	
43	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	2.00	No			Each	
44	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.	2.00	No			Each	

5	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 :-110mm X 75mm. Providing and fixing PVC floor trap 110 X 75 mm dia size complete.	2.00	No				Each	
46	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.	2.00	No				Each	
47	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	
48	Providing and fixing toilet paper holder : C.P. brass including carriage of material in all leads and lifts.	1.00	No				Each	
49	Providing and fixing high pressure PVC finolex type A 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:-150mm dia.	12.00	Rmtr				Per running metre	
49	100mm dia	12.20	Rmtr				Per running metre	
49	75mm dia	9.15	Rmtr				Per running metre	
50	Providing and fixing PVC offset 45 degree ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts.	3.00	No				Each	
50.1	100mm dia	6.00	No				Each	
50.2	75mm dia	3.00	No				Each	
51	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia	3.00	No				Each	
51.1	100mm dia	2.00	No				Each	
51.2	75mm dia	1.00	No				Each	
52	Providing and fixing PVC Finolex Type A collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	2.00	No				Each	
52.1	100mm dia	3.00	No				Each	
52.2	75mm dia	2.00	No				Each	

53	Providing and fixing PVC single equal plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts: 150mm dia	1.00	No				Each	
53.1	100mm dia	1.00	No				Each	
53.2	75mm dia	1.00	No				Each	
54	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. complete including carriage of materials within all leads and lifts:	5.00	No				Each	
55	Providing and fixing 15 mm dia CP Brass Angle Cock of approved quality and make including complete in all respect.	6.00	No				Each	
56	Providing and fixing 15mm nominal bore C.P. brass bib tap with capstan head including carriage of materials within all leads and lifts:-	3.00	No				Each	
57	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	
58	Providing and fixing C.P. 600mm X 20mm size 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	
59	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	
60	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work -	18.00	Rmt				Per running 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

Estimated Cost Rs. :- 90335.00
Earnest Money Rs. :- 1810.00
Time:- One Month

Name of work: - A/R and M/O Ellerslie Building at HP Secretariat Shimla. (SH:-Covering with ACP sheets inside of connecting bridge on Ellerslie building side etc.)

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Providing and fixing ACP sheet 6mm thick panel in linning on aluminium frame work etc. complete as per the architectural drawings and the directions of Engineer-in-charge including cartage of materials within all leads and lifts.	25.81 Sqm		Sqm	
	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

Estimated Cost Rs. :- 137018.00
Earnest Money Rs. :- 2750.00
Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH)-Repair of colling and railing etc. of block IV set No 7 to 12 at Ellerslie quarters at Chotta 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 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)	0.05 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 including carriage of materials within all leads and lifts as per direction of Engineer - In - charge.	0.05 Cum.			Per cubic metre.	
3	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.	0.279 Cum			Per cubic metre	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position complete including carriage of material all leads and lifts in second class Kail/ Chil wood.	0.448 Cum			Per cubic metre	
5	Providing and fixing 0.63mm thick PGI sheet ceiling/lining of approved quality with built 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.	53.58 Sqm			Per square metre.	
6	Providing and fixing 40mm X 6mm section hard wood corner moulded beading with wood screws/nails etc. in ceiling and lining including miting at junctions including carriage of materials within all leads and lifts.	229.70 Rmt			Per running metre	
7	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a painting coat of approved steel primer using structural steel etc. as required : In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	123.92 Kg			Per Kilogramme	
8	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	5.04 Sqm			Per square metre	
9	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.	14.85 Sqm			Per square metre.	
10	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	14.85 Sqm			Per square metre	
11	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 on steel or wood work complete including carriage of materials within all leads and lifts.	36.19 Sqm			Per square metre	
12	Finishing one or more coat on existing painted surface walls with Acrylic Smooth exterior emulsion, of approved brand and manufacture of required shade complete including carriage of materials within all leads and lifts.	58.94 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

(25)

Estimated cost:-
Earnest Money:-
Time :-

397783.00
8000.00
One Month

Name of work:- Special repair to Various Non residential buildings under Shimla Division No. III (SH:- Construction of pedestal with welded mesh for water storage tank to Division office) at Winter field 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 including carriage of materials within all leads	1853.87 Kg.			Per Kilogramme	
2	Providing and fixing 7.00mm thick Chequered plates including cutting, welding complete in flooring over steel frame work (frame work to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of the Engineer-in-charge.	1290.77 Kg			Per Kilogramme	
3	Providing and fixing M.S. welded mesh 25mmX25mmX2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	44.12 Sqm			Per square meter	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.4th,
HP.PWD.Shimla-174003

7

SCHEDULE OF QUANTITY

Estimated cost: 342465.00
Earnest Money: 6850.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Miscellaneous repair work in Secretary cottage (G.F) at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2 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.	3 73.41 Sqm	4	5	6 Per square metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.34 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 :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) complete including carriage of materials within all leads and lifts.	1.34 Cum			Per cubic metre	
4	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 @ 3.30 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	13.44 Sqm			Per square metre	
5	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 300mmx300mm.	59.97 Sqm			Per square metre	
6	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.Baroda green.	1.68 Sqm			Per square metre	

1	Repairs to plaster in patches of 2.50 Sq. M. and under and 10 to 15mm thick including cutting the patch in proper shape and replastering the surface of the wall including disposal of rubbish to the dumping ground within all leads and lifts, cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials within all leads and lifts.	23.83 Sqm				Per square metre	
8	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.	3.51 Sqm				Per square metre	
9	15mm cement plaster in single coat on fair side of brick/concrete/stone walls for interior plastering upto floor two level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in Cement mortar 1:6 (1 cement : 6 sand) Including carriage of materials within all leads and lifts.	16.51 Sqm				Per square metre	
10	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.	97.55 Sqm.				Per square metre.	
11	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.	137.89 Sqm				Per square metre	
12	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for interior grade on undecorated concrete/stone/plastered wall surfaces to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying of putty as required for melling the surface including carriage of materials within all leads and lifts.	40.34 Sqm				Per square metre	
13	Wall painting (one coat or more 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.	447.02 Sqm				Per square metre	
14	Painting wood work with Deluxe Multi Surface Paint of required shade. One or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	219.08 Sqm				Per square metre	
15	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.	2.00 No.				Each	
16	Providing and fixing vitreous China pedestal type one piece wash down, water closet (European type. W.C. pan) one piece with integral 'P' or 'S' trap including cistern seat and cover joining 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.	1.00 No				Each	

17	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. While Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	3.00	No.				Each	
18	Providing and fixing vitreous China pedestal with wash basin complete recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts.	2.00	No.				Each	
19	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	
20	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	
21	Providing and fixing Wall mixer 3-in-1 with cartridge with provisions for both overhead shower & telephonic shower with 180 mm long bend pipe & wall flange including carriage of materials within all leads and lifts. - Cat NEC-09 N.	1.00	No.				Each	
22	Providing and fixing Single lever wall mixer with telephonic shower arrangement including carriage of materials within all leads and lifts. - Cat DE-28	2.00	No.				Each	
23	Providing and fixing 15 mm dia C.P. Brass single lever basin mixer of approved quality and make Single lever basin mixer without pop-up waste system with flexible hose including carriage of materials within all leads and lifts Cat No. ND-09.	2.00	No.				Each	
24	Providing and fixing Sink mixer with swivel spout wall mounted including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts. - Cat No. C-219.	1.00	No.				Each	
25	Providing and fixing 4 inches hand shower, 1 flow with 1.5 mtr flex tube and hook including carriage of materials within all leads and lifts. - catalogue No. HS-202.	1.00	No.				Each	
26	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.	4.00	No.				Each	
27	Providing and fixing C.P. Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. screws. - 600mm x 20mm size.	2.00	No.				Each	
28	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.	5.00	No.				Each	
29	Providing and fixing 600mm x 120mm acrylic glass shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	4.00	No.				Each	
30	Providing and fixing 3 in 1 angular corner acrylic glass shelf with C.P. brass bracket and guard rail complete, fixed to wooden/rail plugs with C.P. brass screws etc. complete including carriage of materials within all leads and lifts.	2.00	No.				Each	
31	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. including carriage of materials within all leads and lifts.	4.00	No.				Each	

32	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, l/c cutting Chasing and making good the walls etc. 15mm nominal bore, internal work.	35.60	Rmt.					Per running metre.	
33	Providing and fixing C.P. brass angle cock superior quality including carriage of materials within all leads and lifts :- 15mm dia	10.00	No.					Each	
34	Providing and fixing C.P. Long body bib cock with wall flange of approved quality conforming to IS:8931 15 mm nominal bore. including carriage of materials within all leads and lifts.	4.00	No.					Each	
35	Providing and fixing 45cm length uplasticsed PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.	17.00	No					Each	
36	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.	5.01	Cum					Per cubic metre	
37	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) 6 mm thick ply including carriage of materials within all leads and lifts.	86.66	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 conform to bureau of Indian standards.

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

Signature

SCHEDULE OF QUANTITY

27

Estimated Cost Rs. :- 499716.00
Earnest Money Rs. :- 10000.00
Time:- One Month.

Name of Work: S/R to Ellerslie Building of Secretariat. (SH:Minor Repair of old tables, chairs and providing new table and Chairs in CS office.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing Godrej Brand Splenda Corner Table of standard size 44.95*53.08*45.72cm including all taxes complete as per direction of Engineer-in-charge.	3.00 No.			Each	
2	Providing and fixing Godrej Brand ACE full back chair including all taxes complete as per direction of Engineer-in-charge.	1.00 No.			Each	
3	Providing and fixing Godrej Brand Marvel Mid Back Chairs including all taxes complete as per direction of Engineer-in-charge.	2.00 No.			Each	
4	Providing and fixing Godrej Brand Marvel Visitors Chairs including all taxes complete as per direction of Engineer-in-charge.	4.00 No.			Each	
5	Providing and fixing table having four oval shaped french polished teak wood post with nut and bolt with buffer arrangement on each support fixed with Table top of 10mm thick Toughened Glass size at maximum rounded edges is 700*700 mm and one 10mm thick black shade toughened glass shelf including all taxes complete as per direction of Engineer-in-charge.	4.00 No.			Each	
6	Providing and fixing 19 mm thick commercial board water proof shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts	2.35 sqm			Per square metre	
7	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). Teak Ply. 4mm thk.	7.40 sqm			Per square metre	
8	Polishing two or more coats with PU 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.	43.48 sqm			Per square metre	
9	Canvas wall Paintings for Office decoration purpose complete as per direction of Engineer in Incharge.	3.00 No.			Each	
	(i) Canvases painting of Lord Krishna	4.00 No.			Each	
	(ii) Miniature Painting Large	4.00 No.			Each	
	(iii) Miniature Painting Medium	4.00 No.			Each	
	(iv) Miniature Painting small	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

Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:-Repair of porch of block B type IV and providing and fixing in set no 6 of block B Type IV at Richmond Shimla)

Estimated cost:- 182731.00
Earnest Money:- 3650.00
Time :- One Month.

Sl. NO.	Sub-Head/Item of work.	Qty.	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.	1.27 Cum.	3	4	5	6
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)	1.27 Cum				Per cubic metre
3	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	12.20 Sqm				Per Square metre.
4	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.	7.49 Sqm				Per Square metre.
5	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.	26.33 Sqm				Per Square metre.
6	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (summica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	25.83 Sqm				Per Square metre.
7	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.	39.81 Rmtr				Per running metre.
8	Providing 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	2.57 Sqm.				Per square metre.

0	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.	19.00 No.					Each.	
11	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.	19.00 No.					Each	
12	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 gratings framed guard bars, ladders, railing, brackets and similar works including carriage of materials within all leads and lifts.	578.26 Kg					Per kilogramme	
13	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. Electric resistance or induction butt welded tubes.	77.40 Kg					Per/kg	
14	Providing and fixing fiber/polycarbonate transparent sheet 1.20 mm 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.	5.28 Sqm.					Per square metre	
15	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture	27.69 Sqm.					Per square metre.	
16	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.	51.29 Sqm					Per square metre	
	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture	51.29 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

[Signature]

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499733.00
Earnest Money Rs. :- 10000.00

Time:- One Month.

Name of work: -Special repair to UG/PG Hostel Block-A at IGMC Shimla (SH:- Providing and Fixing Aluminum partition in room No.56 ,57 81 & 82 in Block-A)

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, mited 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)	355.00 Kg.			Per Kilogram	
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)	91.98 Kg.			Per Kilogram	
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 paneling fixed in aluminium 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	49.02 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.	8.90 Sqm.			Per square meter	
5	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm.	16.00 No.			Each	

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	16.00	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	16.00	No				Each	
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	18.45	Sqm				Per square meter	
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.	49.08	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	49.08	Sqm.				Per Square Metre	
10	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.	49.08	Sqm.				Per Square Metre	
11	Providing and fixing polycarbonate transparent sheet 2.00 mm 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.	24.50	Sqm				Per Running Metre	
12	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i) Two or more coats on New work including carriage of materials and as per the direction of the Engineer-In-Charge.	306.64	Sqm				Per Square Metre	
	Conditions:-							
1	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 conform to bureau of Indian standards.							
							Total	

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 270206.00
Earnest Money Rs. :- 5410.00

Time:- One Month.

Name of work: - S/R to Kamla Nehru Hospital Shimla (SH:- P/F Pine wood Panelling work , Polishing work in Room No.512-A & 516 in Teaching Block)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 9mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts.	43.51	Sqm		Per Square	
2	Providing and fixing 12 mm thick Pine Wood Tongued and Grooved lining/ceiling of approved quality with butt jointing and nails(frame work and cover fillets to be paid for separately). including complete including carriage of material in all leads and lifts	113.44	Sqm		Per Square	
3	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) 50x50 mm (base and height)	21.15	Rmt.		Per Running Metre	
4	Melamine polishing on wood work (Two or more coat) complete with woo filler including carriage of materials within all leads and lifts.	113.44	Sqm		Per Square	
	Conditions:-				Total	

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

- i 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.
- ii 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 Recovery of useful bricks 57.00. recovered from site will be charged / deducted from contractor @ Rs. 5.00 Each.

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. 371256.00
Earnest Money Rs. 7430.00
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 R.C.C Slab Culvert at RD 1/170)

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 1.5m 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.	42.77			Per cubic metre.	
2	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.	1940.4			Per Kilogramme.	
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (i) All works upto plinth level	13.25			Per cubic metre.	
4	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.	9.5			Per square metre.	
5	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) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	2.92			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 1:1.5:3 (1cement : 1.5coarse sand): 3 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	5.09			Per cubic metre	

Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.

8 Disposal of building rubbish / maba / 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.

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.

	6.68	Cum			Per Cubic metre	
	34.22	Cum.			Per cubic metre.	
					Total	
	Draft schedule of quantity No. 3,71256/-only.			For the year 2022-23 duly approved for Rs		

Executive Engineer,
Shimla Division No. III,
H.R. PWD, Shimla-3.
[Signature]

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 88138.00
Earnest Money Rs. :- 1770.00

Time:- One Month.

Name of work: -A/R & M/O to Residential Building under shimla Division No.III(SH:- Providing and Fixing Welded Mesh & Polycarbonate Sheet etc. In Supt. Block Set No.2 Top Floor at Barnes Court Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	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.	14.40 Sqm			Per Square Metre	
2	Providing and fixing 1.5 mm 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).	18.96 Sqm			Per Square Metre	
3	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	297.00 Kg.			Per Kilogramme	
4	Painting two coats (excluding priming cost on new steel and other metal surfaces with enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foreign 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	16.5 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, 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

Estimated Cost Rs. :- 493897.00
Earnest Money Rs. :- 9880.00

Time:- One Month.

Name of work: - A/R and M/O Ellerslie Building at HP Secretariat Shimla. (SH:-Providing and fixing ACP sheets inside of connecting bridge between Ellerslie and Armsdale buildings etc.)

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Providing and fixing ACP sheet 6mm thick panel in lining on aluminum frame work etc. complete as per the architectural drawings and the directions of Engineer-In-Charge including carriage of materials within all leads and lifts.	125.62 Sqm		Sqm	
2	Providing and fixing anodised aluminium work for door, window, 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 rawplugs 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, rustfree, straight, mited and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/ stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge:- (i) For doors windows and ventilators and glazed partitions frames including carriage of material within all leads and lifts.	79.60 Kgs		Per Kilogramme.	
3	Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms 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.	66.71 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

Estimated Cost/ 366447.00
Earnest Money/ 7330.00

Time:- one Month

Name of work:- A/R and M/O to hon'ble chief Justice residence building at Chaura Maldan Shimla. (SH:- Providing and laying granite flooring, steel gate and Painting & distemper in canteen of high court building etc)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 20 mm nominal size) mechanical mixed and curing complete excluding the cost of centering and shuttering in foundation and plinths required complete inc complete including carriage of all labour equipments and materials to various localities through all modes of transportation within all leads lifts and other incidental charges.	8.08	Cum		Per cubic metre.	
2	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.	75.84	Sqm		Per Square metre	
3	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 20mm (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 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	16.06	Sqm.		Per Square metre	
4	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 including carriage of materials within all leads and lifts:- Hot finished welded type tubes.	453.37	Kg.		Per kilogramme metre.	
5	Providing and Fixing C.I. Fin Bhalla complete. 16cm of size complete including carriage of materials within all leads and lifts	14.00	No		Each	
6	Providing and laying extra for pre finished nosing to treads of steps of marble stone including carriage of materials within all leads and lifts.	13.90	Rmt.		Per running metre.	
7	Providing and fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete including carriage of materials within all leads and lifts. 150x125x27x2.80 mm.	6.00	No		Each	
8	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts. 345x16 mm.	2.00	No		Each	

9	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete. including carriage of materials within all leads and lifts 250x10 mm.	2.00	No	Each
10	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.	210.62	Sqm	Per square metre
11	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	28.12	Sqm	Per square metre
12	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 within all leads and lifts.	167.63	Sqm	Per square metre
13	Providing and fixing precasted galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.40mm (+ 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 purfins, rafters and trusses and including cutting to size and shape wherever required complete including carriage of materials within all leads and lifts.	6.20	Sqm	Per square metre
14	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 in all leads and lifts.	63.19	Sqm.	Per square metre.
15	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.	63.19	Sqm	Per square metre
16	Rubbing and polishing of marble/ granite stone flooring, skirting etc. with required equipment/ materials. complete including carriage of materials in all leads and lifts.	20.20	Sqm	Per square metre
17	Providing and fixing looking mirror cosmetic including backing support and fixing with screws etc at 3.0 site as directed by Engineer-in-charge including carriage of materials within all leads and lifts.	No		Each

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.

Total

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

SCHEDULE OF QUANTITY

Estimated Cost 386648.00
Earnest Money 7740.00
Time:- one month.

Name of Work:- S/R to H.P State Museum at Chaura Maidan Shimla-4 (SH):- Providing an dfixing MS railing , edge wall the road leading to parking 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 1.5m in width or 10sqm on plan). Including dressing of sides and ramming of bottoms. Fill 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	0.24			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 :- (i) 1:3:6 (1 Cement : 3 coarse sand) 6 graded stone aggregate 20mm nominal size) including carriage of materials within all leads and lifts	21.13			Per cubic metre	
3	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 including carriage of materials within all leads and lifts :- Hot finished welded type tubes.	1832.51			Per kilogramme metre.	
4	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 grillings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	161.40			Per Kilogramme	
5	Providing and fixing MSBP sheet 2.00 mm thick in eaves board/faceloffs/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per instruction of Engineer-in-charge	10.30			Per square metre.	
6	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.	53.18			Per square metre	
7	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. 100X75X3.50 mm.	4.00			Each	
8	Providing and fixing heavy duty spindle for M.S gate complete including carriage of materials within all leads and lifts.	6.00			Each	
9	Providing and fixing 300X16mm M.S sliding door bolt, complete including carriage of materials within all leads and lifts.	12.00			Each	
9.01	250X16mm.	1.00			Each	
10	Providing and Fixing M.S gumbaj 10 cm height & 30cm dia of size complete 16 cm of size complete. including carriage of materials within all leads and lifts.	25.00			Each	
11	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	78.80			Per square 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.

SCHEDULE OF QUANTITY

36

Estimated Cost Rs. :- 131744.00
Earnest Money Rs. :- 2640.00

Time:- One Month.

Name of work: - A/R & M/O to Medical College at IGM. Shimla (SH:- Painting, Emulsion, Apex inner and Outer side of Foransic Department)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	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.	231.79 Sqm			Per Square Metre	
2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i) One or more coats on old work	694.77 Sqm			Per Square Metre	
3	Providing Scaffolding for all kind of works in Multistory Building up to all floor high/ levels Bamboo complete tiled with rope on joints and pedestal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	189.00 Sqm			per square meter	
4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade (i) Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	498.06 Sqm			per square meter	
5	Painting with synthetic enamel paint steel Surfaces of approved brand and manufacture of required colour to give an even shade One or more coat complete including carriage of materials within all leads and lifts.	54.08 Sqm			per square meter	
6	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	68.36 Sqm			Per Square Metre	
7	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. Two or more coats on new works including a coat of wood filler	29.90 Sqm			Per Square Metre	
	Conditions:-					
	Total					

- 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, Medical College Sub Division HPPWD, Shimla-1 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-31

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 396762.00
Earnest Money Rs. :- 7940.00

Time:- One Month.

Name of work: -S/R to Non Residential building Under Shimla Division No.III (SH:- Water proofing of Parking floor , JE Room, Boiler Room and Protection of Expansion Joints to Nirman Bhawan at Nigam Vihar 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 (if/c equivalent design mix)including cartage of materials within all leads and lifts.	2.25 Cum			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. (i) For thickness of tiles above 25 mm and up to 40 mm	73.37 Sqm			Per Square Metre	
3	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 size)	9.58 Cum			Per Cubic Metre	
4	15 mm cement plaster on the Fair side of single or half brick wall of mix including cartage of materials in all leads and lifts. (i) 1:6 (1 cement: 6 fine sand)	55.44 Sqm			Per Square Metre	
5	Supplying, drilling & fixing packers 13mm x 100 mm at gap of 1.0 ft - 1.5 ft in zig-zag manner along the structural cracks by setting Compound Method for injecting PU Grout material (8" to 12" Thickness RCC), including all required tools and tackles, equipment- drilling machine, at locations as directed by engineer-in-charge. Providing and injecting Foaming PU Grout on average consumption of 450 ml per packer for 8" - 12" thick concrete/Wall. (i)	20.00 No			Each	
6	Preparing the surface to receive waterproofing treatment by 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. and applying base coat on primer coat with paint brush and two final coats of elastomeric liquid applied Polyurethane Membrane Multithane BK on the prepared surface as per site requirement and complete in all respect including all leads, lifts and cartage of material at site as directed by the Engineer In charge allowing drying gap between successive coats.	128.82 Sqm			Per Square Metre	

7	Prepare the substrate by cleaning and must be mineral, dry, stable, solid and clean. Loose ingredients, release agents, formwork oil, grease and other adhesion-reducing layers have to be removed first before using Joint Tape XTP 1. The age of the concrete should be, at least 3-4 weeks, depending on climate. Damaged areas, cracks and holes can be reprofiled with PoxFix 005. Pull of strength of concrete should be greater than 1.5 MPa and applying - first the PoxFix 005 is mixed homogeneously in the right mixing ratio. Therefore, component B is fully mixed with component A. Choose a suitable mixing device, mix at least 3 minutes thoroughly, as long as there are no more visible colour streaks in the mass. Refilling the product in a clean container and briefly mixing it again, just to ensure to get a homogenous mass. The mixing device should mix on low speed to avoid forming of air bubbles and fixing 300 mm wide Joint Tape XTP 1 on expansion joint as per TDS application methodology.	29.55 Rmtl.				Per Running Metre	
	Conditions:-						Total

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

- i 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.
- ii 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.
- iii
- iv

Executive Engineer
Shimla Division No.III
HPPWD, Shimla

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 409082.00
Earnest Money Rs. :- 8190.00

Time:- One Month.

Name of work: - S/R to Medical College at IGMC. Shimla (SH:- P/F steel work , Prepainted sheet, PVC. Pipe etc. over lift , Main porch in Auditorium and General Toilet blocks at IGMC. 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.	1345.90 Kg			Per kilogramme	
2	Providing and fixing precast 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 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.	158.60 Sqm			Per Square Metre	
3	Providing and fixing precast galvanised steel sheet roofing accessories 0.60 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 :(i) valleys of 90 cm wide overall	22.50 Rmt.			Per Running meter	
4	Providing and fixing M.S. BP sheet 2.00 mm thick in eaves board/facia/soffit/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	7.56 Sqm			Per Square Metre	
5	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:- 150 mm diameter including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	19.60 Rmt.			Per Running Metre	
6	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:- PVC. Single Door tee 150mm	7.00 No.			Each	

7	Providing and Fixing PVC. Clamps including necessart screws (i) 150mm PVC. Clamps	21.00	No.				Each	
8	Painting two costs (excluding priming cost on new steel and other metal surfaces with enamel paint brushin to give an even shade including cleaning the surface of all dirt, dust and other foreign matters including cartiage 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	29.52	Sqm				Per Square Metre	
	Conditions:-						Total	

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

ii Use of 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
H.P.W.D. Shimla-3.

SCHEDULE OF QUANTITY

391

Name of work: - A/R and M/O Eilerslie Building at HP Secretariat Shimla. (SH:-Repair of Nation Flag platform and foot path etc.)

Estimated Cost Rs. :- 57259.00
Earnest Money Rs. :- 1150.00
Time:- One Month.

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 all lead as per direction of Engineer - in-charge.	2.89 Cum		Per Cubic Metre	
2	Laying heavy duty precast cement concrete inter locking paver blocks of any thickness vibro compacted upto M-50 grade i/c 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 & polishing complete as per the direction of Engineer in-Charge including carriage of materials within all leads and lifts. (labour+mortar)	23.63 Sqm		Per square metre	
3	Rubbing and polishing of kota stone flooring with required equipments/machine and material complete as per the direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	51.43 Sqm		Per square metre	
4	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 paneling 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) Second class deodar wood 35 mm thick shutters	3.52 Sqm		Per square metre	
5	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.	12.23 Sqm		Per Square metre	
6	Providing and fixing 125mmx10mm size aluminium tower bolts (berril type) anodized trans parent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.		Each	
7	Providing and fixing 300mm 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.	1.00 No.		Each	
8	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.	1.00 No.		Each	
9	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement complete including carriage of materials within all leads and lifts.	5.12 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

(118)

Name of work: - A/R and M/O Ellersie Main Building at HP Secretariat Shimla-2. (SH: -Painting etc. in HP. PWD Sub-Division office of HP Sectt. Chotta Shimla.).

Estimated Cost Rs. :- 63157.00
Earnest Money Rs. :- 1270.00

Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	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.	44.90 Sqm			Per square metre	
2	Providing and applying white cement based putty of average thickness 1.00mm, 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.	44.90 Sqm			Per square metre	
3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts: One or more coats on old work.	112.26 Sqm			Per square metre.	
4	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 on wood complete including carriage of materials within all leads and lifts.	44.13 Sqm			Per square metre	
5	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.	57.29 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

Estimated Cost R 483330.00
Earnest Money R 9700.00

Time:- one Month

Name of work:- Restoration of rain damages road from cart road to Annadale road Km 0/00 to 4/160.(SH:- Providing & Fixing Cat ABS plastic glow road stud, retro reflected sheet and retro reflected round circular at different locations from RD 0/160 to 4/160)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and Fixing of pavement marker Cat ABS plastic glow road stud two way reflector Art No.C1210 (Red/White 3mm. including cartage of materials in all leads and lifts	366.00	Each		Each	
2	Providing and Fixing retroreflected sheet EGP fixed on WBM crash barrier (Green/ white) including cartage of materials in all leads and lifts	182.00	Each		Each	
3	Providing and Fixing retroreflected round circular 3"x3" fixed on vertical post on WBM crash barrier including cartage of materials in all leads and lifts	3110.00	Each		Each	
					Total	
	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 conform to Bureau of Indian standards					

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

SCHEDULE OF QUANTITY

42

Estimated Cost Rs. :- 224796.00
Earnest Money Rs. :- 4500.00
Time :- One Month.

Name of work: -S/R to Armsdale Building at HP Secretariat Shimla. (SH:- Renovation of toilet of HP PWD Sub-division office.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Dismantling the work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials in all leads and lifts:- For thickness of tiles 10mm to 25mm.	47.00 Sqm			Per square metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials in all leads and lifts as per direction of Engineer - In - charge:- Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	1.04 Cum			Per cubic metre	
3	Providing and laying cement concrete 1:2:4 (1 cement:2 Sand:4 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth including carriage of material within all leads and lifts.	1.04 Cum			Per Cubic metre	
4	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 @ 3.30 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	6.96 Sqm.			Per Square metre	
5	Providing and laying vitrified wall 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	40.04 Sqm			Per square metre	
6	Providing and laying Polished Granite stone flooring in required shade, 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.	1.89 Sqm			Per square metre	
7	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.	1.80 Rmt.			Per running metre.	
8	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35mm thick including ISI marked Stainless Steel butt hinges with necessary screws complete including carriage of materials in all leads and lifts.	5.94 Sqm			Per square metre	
9	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:- (i) 15mm nominal bore.	10.30 Rmt.			Per running metre	
10	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.	8.20 Rmt			Per Running metre.	

11	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:- (Ø110mm X 90mm size).	6.00 No			Each	
12	Providing and fixing 110mm dia PVC 'P' or 'S' trap for water closet (squatting pan) ISI marked including joining the trap with the pan and PVC pipe with approved adhesive etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
13	Providing and fixing vitreous China wash down water closet (European type W.C. pan) with integral P or S trap along with seal 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.	2.00 No.			Each	
14	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. 10040 complete set with pedestal Cat No. 11003 (Star white) including carriage of materials within all leads and lifts.	1.00 No			Each	
15	Providing and fixing 510X430mm Oval Type Counter Top Vitreous China Hind ware or equivalent wash basin with single hole for pillar tap complete including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts:- Jaguar Cat No. AIS-WHT-101801	1.00 No.			Each	
16	Providing and fixing stainless steel kitchen sink of size 610mm x 460mm 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	
17	Providing and fixing vitreous China half stall urinal of Star white of Hindware or equivalent including connection the urinal with waste pipe by means of white lead mixed with chopped hemp (waste pipe to be measured and paid for separately) including carriage of materials within all leads and lifts:- Star white of Hindware Cat No. 60002.	1.00 No			Each	
18	Providing and fixing Patio Urinal sensor with AC adaptor of Kohler make item Code No. 2419IN-C03-CP including connection the urinal with waste pipe by means of white lead mixed with chopped hemp (waste pipe to be measured and paid for separately) including carriage of materials within all leads and lifts.	1.00 No			Each	
19	Providing and fixing 15mm dia C.P. brass Sensor pillar tap with capstan head of Jeguar cat No. OPP-15019 including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge.	2.00 No			Each	
20	Providing and fixing 15mm dia C.P. brass long body bib cock of Jeguar cat No. 35037PM with capstan head including carriage of materials within all leads and lifts.	8.00 No.			Each	
21	Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts:-Jaguar Cat No. APR-ESS-101053.	24.00 No.			Each	
22	Providing and fixing Health faucet fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232C.	2.00 No			Each	
23	Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. screws and washer including carriage of materials within all leads and lifts.	2.00 No.			Each	
24	Providing and fixing 600mm X 20mm C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws fitting complete including carriage of materials within all leads and lifts:- ESS ESS Trend series AC-101.	2.00 No			Each	
25	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 viking 500ml	3.00 No.			Each	
26	Providing and fixing C.P. brass toilet paper holder of ESS ESS make or equivalent with C.P. brass screws and plugs etc complete including carriage of materials within all leads and lifts :- ESS ESS Cat No. AC-506B.	2.00 No			Each	

27	Providing and fixing 600mm X 120mm 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-107.	2.00 No.			Each	
28	Providing and fixing 32mm dia C.P. waste for wash basin or sink including carriage of materials within all leads and lifts.	3.00 No.			Each	
29	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.	24.00 No			Each	
30	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	5.00 No.			Each	
31	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	
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
MR. PWD. Shimla-3.

SCHEDULE OF QUANTITY

493

Estimated cost: 118389.00
Earnest Money: 2370.00

Time :- One Month.

Name of work:- A/R and M/O to Various residential buildings under division no III Shimla. (SH:-Repair of floor, painting and distempering etc in block 6 set No 1 to 4 & block 8 set 1 to 6 (G.Floor) set No.7 to 11 first floor at Eilerslie qtrs at Chotta Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	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.	4.42	Sqm.		Per square metre.	
2	Demoishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.35	Cum		Per cubic metre	
3	Providing and laying cement concrete 1:2:4 (1 cement:2 Sand:4 graded stone aggregate of 20mm nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts:- (i) in Foundation and plinth.	0.68	Cum.		Per cubic metre.	
4	15mm Cement plaster in single coat on the rough side of brick/ concrete/stone walls for interior plastering upto floor two level including arises, internal rounded angles, chatters and/or rounded angles not exceeding 80mm in girth and finished even and smooth in Cement Mortar 1:6 (1 Cement:6 Sand), including carriage of materials within all leads and lifts.	4.42	Sqm		Per square metre	
5	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 1:4 (1 cement: 4 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	26.94	Sqm.		Per square metre.	
6	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	4.42	Sqm.		Per square metre.	
7	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	202.53	Sqm.		Per square metre	

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.		202.53	Sqm.	Per square metre	
Distempering(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade on decorated wall surfaces to give an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts..		675.11	Sqm.	Per square metre.	
10	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture	514.76	Sqm.	Per square metre.	
11	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.	1.44	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

DRAFT SCHEDULE OF QUANTITY

Estimated cost:- 169623.00
 Earnest Money:- 3400.00
 Time :- One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:- Providing & fixing Cupboards in set No. T-II/159, 162, F-II/143, U-II/170, Royal hotel 1/6 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 in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	16.57 Sqm.	1405.50	Rupees One Thousand Four Hundred Five and Paise Fifty Only	Per square metre.	23289.00
2	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	55.32 Sqm.	1511.40	Rupees One Thousand Five Hundred Eleven and Paise Forty Only	Per square metre.	83611.00
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	29.56 Sqm.	890.10	Rupees Eight Hundred Ninety and Paise Ten Only	Per square metre.	26311.00
4	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	120.00 Rmt.	37.65	Rupees Thirty Seven and Paise Sixty Five Only	Per running metre.	4518.00
5	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.	54.00 No.	38.10	Rupees Thirty Eight and Paise Ten Only	Each	2057.00
6	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	55.00 No.	170.05	Rupees One Hundred Seventy and Paise Five Only	Each	9353.00
7	Providing and fixing 6mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	16.57 Sqm.	600.00	Rupees Six Hundred Only	Per Square metre	9942.00
8	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 in all leads and lifts.	103.20 Sqm.	37.15	Rupees Thirty Seven and Paise Fifteen Only	Per square meter	3834.00
9	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.	103.20 Sqm	65.00	Rupees Sixty Five Only	Per square meter	6708.00
CONDITION:-						Total:- 169623.00

- 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.

Draft schedule of quantity No. 665 for the year 2022-23 duly approved for Rs. 1,69,623.00/- only
 Rupees One Lakh Sixty Nine Thousand Six Hundred Twenty Three Only

Executive Engineer
 Shimla Division NO.III,
 HP,PWD, Shimla-174003

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 495127.00

Earnest Money Rs. :- 9910.00

Time:- One Month.

Name of work: - Special repair to Residential Building Block-C, Type- III at Hollyoak, Sanjauli Shimla (SH:- Dismantling CGI Sheets Roofing , Providing and Fixing Repainted sheet roofing , BP. Sheet in Ceiling and eaves Board etc. complete)

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 carriage of material in all leads and lifts:-G.S. Sheet.	146.18	Sqm			Per Square 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.	1150.00	Kg			Per Kilogram me	
3	Providing and fixing precoated 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.	185.20	Sqm			Per Square Metre	
4	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 :(I) Ridges plain (500 - 600mm)	32.80	Sqm			Per square meter	
5	Providing and fixing M.S. BP.sheet 2mm 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)	55.90	Sqm.			Per Square Metre	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10	55.90	Sqm.			Per Square Metre	

7	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.	70.32	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-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 1/188 to 1/584

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 dully 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.