

*HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT*

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

2641

Dated:- 2-5-22



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

Subject:- Tender Notice

Enclosed kindly find herewith the tender notice for the work 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-3*

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

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP PWD, Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors Firms enlisted in HP PWD, so as to reach in his office on or before **10-05-2022 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 against cash payment (non-refundable) on any working day up to 5.00 P.M. on **09-05-2022** and the application for issue of tender form shall be received on the same day i.e. **09-05-2022 up to 12.00 P.M.**

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 per form No. 6&8. The offer shall remain open for 30 days.

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Cost of form	Form No
1	A/R and M/O various non residential building under division No.III Shimla (SH:- Providing and laying interlocking paver 60mm thick near main gate at Vidhan Sabha).	Rs.1,39,248/-	Rs.2790/-	One Month	350/-	6&8
2	Special repair to HHMH & Rehabilitation Centre at Boileagang Shimla (SH:-Dismanlling work, stone work, granite, polishing work and painting work in Porch of Hospital Building).	Rs.4,99,082/-	Rs.9990/-	One Month	350/-	6&8
3	A/R & M/O various non-residential buildings under division No.III Shimla (SH:- Providing and fixing MSBP sheet ceiling in soffit and facade, painting on steel work at old M.L.A Qtrs. Near Boileagang) crossing at Shimla).	Rs.1,55,437/-	Rs.3108/-	One Month	350/-	6&8
4	A/R & M/O various residential & non-residential buildings under division No.III Shimla (SH:- Providing staff or maintenance of various residential & non-residential buildings under Vidhan Sabha Sub-Division).	Rs.1,52,202/-	Rs.3040/-	One Month	350/-	6&8
5	Special repair to various residential building under Shimla Division No.III (SH:- Dismanlling work, C.C. work, Brick work, cup board, painting & distemping and steel work etc. in set No.2 ground floor at Harvington Estate Shimla).	Rs.3,32,076/-	Rs.6650/-	One Month	350/-	6&8
6	A/R and M/O various residential buildings uder division No.III Shimla (SH:- Replacement of polycarbonate sheet over roof of house no. 5&6 at Bonmore Section).	Rs.1,29,780/-	Rs.3250/-	One Month	350/-	6&8
7	A/R and M/O various residential buildings under division No.III Shimla (SH:- Repair of toilet and other minor repair in set No.2 at Old Richmond Villa at Richmond Shimla).	Rs.80,399/-	Rs.1600/-	One Month	350/-	6&8
8	S/R to various residential buildings under division No.III Shimla (SH:- C/O New Manhole Chamber, laying of sewerline etc. of block No.19 and below IPH canteen at U.S. Club Shimla).	Rs.2,35,127/-	Rs.4700/-	One Month	350/-	6&8
9	S/R to various non-residential building under division No.III Shimla (SH:-Providing and fixing pine wood ceiling, wooden lining & polishing etc. in Room No.C-16 at Council Chamber at Vidhan Sabha).	Rs.3,78,808/-	Rs.7580/-	One Month	350/-	6&8
10	A/R and M/O various residential buildings under division No.III Shimla (SH:- Repair of wood work in ceiling, painting and distemping etc. in Oak-over).	Rs.1,65,688/-	Rs.3310/-	One Month	350/-	6&8
11	Special repair to various residential building under Shimla Division No.III (SH:-Providing and laying vetrified tiles in room and toilet, eupboard, C.C 1:3:6, wood work, sanitary work and steel work etc. in Set No.1 at Harvington Estate Shimla).	Rs.4,08,742/-	Rs.8180/-	One Month	350/-	6&8
12	Special repair to various residential buildings under division No.III Shimla (SH:- Repair of toilet in type-IV Block-II set No. 7,8, repair of block No. 40,41 painting and distemping etc. at Richmond Section).	Rs.3,47,579/-	Rs.6950/-	One Month	350/-	6&8
13	S/R to set No. 42, 49, 306, 208 occupied by Sh. Hans Raj, Prem Paul Sr. PVT Secretary, Ram Dey at Metropole Shimla (SH:- Providing and fixing eupboard, paneled glazed shutter, tile work including sanitary repair etc.).	Rs.3,87,010/-	Rs.7740/-	One Month	350/-	6&8

14	A/R & M/O various residential buildings under Division No.III Shimla (SH:- Repair of ceiling, white washing, C/O W/C, flooring sanitary repair etc. in Block-30 set No.11 at U.S.Club Shimla).	Rs.1,10,640/-	Rs.2210/-	One Month	350/-	6&8
15	Furnishing of New MLA Hostel Building at Metropole (SH:- Providing and fixing curtain in set No. 412, 201, 105 and providing and PVC chair in set No.702).	Rs.3,12,612/-	Rs.6252/-	One Month	350/-	6&8
16	Special repair to Old building at DDU hospital Shimla (SH:- Repair of room No.11 using as Ultrasound OPD).	Rs.2,87,994/-	Rs.5800/-	One Month	350/-	6&8
17	Special repair D.O.T. Centre Building at IGMCM Shimla (SH:- C/O store by steel structure and providing and fixing cup board etc. in D.O.T. Centre).	Rs.2,45,261/-	Rs.4910/-	One Month	350/-	6&8
18	A/R & M/O various residential buildings under division No.III Shimla (SH:- Repair of wood work, painting and distempering in old block-I set No. 40 & 42 at Benmore Section).	Rs.1,80,496/-	Rs.3610/-	One Month	350/-	6&8
19	A/R and M/O various residential buildings under division No.III Shimla (SH:- Minor repair work in various residences under Benmore Section).	Rs.1,61,000/-	Rs.3220/-	One Month	350/-	6&8
20	A/R & M/O various residential building under Shimla Division No.III (SH:- Providing and laying floor tiles wall tiles, cup boards, painting and distempering etc. in Set No.1 First Floor Victoria Place at Nigam Vihar Shimla-2).	Rs.2,15,337/-	Rs.4310/-	One Month	350/-	6&8
21	A/R and M/O various residential buildings under division No.III Shimla (SH:- Distempering & painting and C/O cup board in House 6 under Benmore Section).	Rs.1,53,286/-	Rs.3070/-	One Month	350/-	6&8
22	A/R & M/O various residential buildings under division No.III Shimla (SH:- C/O garage for set No.7 Type-V at Richmond Shimla).	Rs.1,62,323/-	Rs.3250/-	One Month	350/-	6&8
23	Special repair to various residential buildings under Shimla Division No.III (SH:- Providing and fixing ceiling, wood work, shutters, ceiling, tiles and sanitary fittings in block No.20 of set No.3 Type-IV) at Nabha Estate Shimla).	Rs.3,27,702/-	Rs.6600/-	One Month	350/-	6&8
24	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Providing and fixing tiles, lining & sanitary fittings etc. in block No. G-III 78, 80, 37/IGF, 37/8 OH etc.) at Nabha Estate Shimla).	Rs.1,57,739/-	Rs.3200/-	One Month	350/-	6&8
25	S/R to various residential buildings under division No.III (SH:- Construction of new Manhole chambers, laying of sewer line, drain, plinth protection etc. in Block No.IV and below Club Cottage at U.S. Club Shimla).	Rs.4,07,873/-	Rs.8170/-	One Month	350/-	6&8
26	Special repair to various residential buildings under Shimla Division No.III (SH:- Providing and laying floor/wall tiles G.I. pipe etc. in Set No.611, 612, 614, & 615 at Block No.25 Sector-3 New Shimla)	Rs.2,95,779/-	Rs.5920/-	One Month	350/-	6&8

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,
H.P. PWD Shimla-3.

Dated:- 02/05/22.

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

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

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

Executive Engineer,
Shimla Division No-III,
H.P. PWD Shimla-3.

SCHEDULE OF QUANTITY

Name of work:- A/R and M/O Various non residential building under division No III Shimla.(SH:-Providing and Laying interlocking paver 60mm thick near main gate at Vidhan Sabha)
 Estimated Cost Rs. :- 139248.00
 Earnest Money Rs. :- 2790.00
 Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of Engineer-in-Charge	147.63 Sqmtr			Per square 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 or 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.	58.12 Sqm			Per square metre	
3	Excavation in foundations, trenches etc. in all kinds of earth work including spade work, pick work, jumper work blasting work including where blasting is prohibited and chiselling/wedging out of rock etc. upto all lifts stacking the excavated soil not more than 3metres clear from the edge of the excavation and then returning the stacked soil in 15cm layer when required into plinths, sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth within all leads and lifts as directed by Engineer-in-charge.	9.45 Cum			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of 10 graded stone aggregate 40mm nominal size) including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	3.15 Cum			Per cubic metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centered stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	2.52 Cum.			Per cubic metre.	
6	Stone soling properly hand-packed filling intersices with Kharanja stone including spreading watering of binding materials moorum or earth etc. complete as per HP.PWD specification 150mm spread thickness (finished work including materials and labour).	1.89 Cum			Per Cubic metre	

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

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, Vidhan Sabha Sub Division HPWD, Shimla-4 otherwise credit for useful materials will be charged.

confirm to bureau of indian standards.

confirm to bureau of indian standards.

[illegible]

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499082.00
Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: -Special repair to HHMH & Rehabilitation Centre at Boileaganj Shimla(SH:- Dismantling work, Stone Work, Granite , Polishing work and Painting work in Porch of Hospital Building)

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.	21.93 Sqm			Per Square Metre	
2	Demolition below G.L. upto all depth and disposal of unserviceable materials within all leads and lifts :-Un-reinforced cement concrete upto 15cm thickness.	3.87 Cum.			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6	2.9 Cum			Per Cubic Metre	
4	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urnal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.(i) Granite Stone of approved shade	9.69 Sqm			Per Square Metre	
5	Providing and fixing granite machine cut, mirror/ eggshell polished , Marble stone work for wall lining (Venueer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.(i) 18 mm thick Italian Marble stone slab,Perato, Rosso verona, Fire Red or Dark Emperadore etc.	13.32 Sqm			Per Square Metre	
6	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately), including carriage of materials within all leads and lifts.(i)9mm thick commercial ply	31.36 Sqm.			Per Square Metre	
7	Providing and fixing 12 mm thick Pine Wood wood Tongued and Grooved lining of approved quality with butt jointing and nails(Frame work and cover fillets to be paid for separately).	31.36 Sqm.			Per Square Metre	

8	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1852.00	Kg.			Per Kilogram me.	
9	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. (i) 0.63 mm thick with zinc coating not less than 275 gm/ m ²	31.00	Sqm			Per Square Metre	
10	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)	4.12	Sqm.			Per Square Metre	
11	Polishing on wood work with ready mixed wax polish of approved brand and manufacture : (i) New work One or More Coat	31.36	Sqm.			Per Square Metre	
12	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	4.12	Sqm			Per square metre	
Conditions:-						Total	

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 155437.00

Earnest Money Rs. :- 3108.00

Time:- One Month.

Name of work:- A/R and M/O Various non - residentail buildings under division no III Shmla. (SH:- Providing and fixing MSBP sheet ceiling in soffit and facia, painting on steel work at old M L A Qtrs near Boileauganj crossing at Shimla)

SI. 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	616.81 Kg			Per kilogramme	
2	Providing and fixing MSBP sheet 1.66 to 2.00 mm thick in eaves board/facias/soffits/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	50.04 Sqm.			Per square metre.	
3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	50.04 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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

iii 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 | 152202.00

Earnest Money | 3040.00

Time:- one months.

Name of work:- A/R and M/O various residential & non residential buildings under division no III Shimla. (SH:- Providing staff or maintenance of various residential & non residential buildings under V/Sabha sub - division)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Engagement of sewer man to perform skilled work in connection with the maintenance and operation of a sewer system, operates catch basin cleans and removes obstructions from the sewers with rods and sewer cables, pumps out excavations that have become flooded as the result of storms, repairs sewer, Manholes and catch basins and other related jobs. He is responsible for every day inspection. Maintenance and complaint disposal and other duty assigned by Junior Engineer.	6.00 No.			Each/ person	
2	Engagement of sweeper for any of duties assigned by Junior engineer, unskilled job such as earth work, carriage of materials, cleaning and washing of areas, assisting plumber, carpenter etc. cutting of grass and other miscellaneous works assigned by Junior Engineer.	6.00 No.			Each/ person	
					Total	
	i Rates should be quoted for all heights including all leads and lifts for internal and external works.					
	ii 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. :- 332076.00

Earnest Money Rs. :- 6650.00

Time:- One Month.

Name of work: -Special Repair to Various residential Building under Shimla Division No.III (SH:- Dismantling work, C.C. Work, Brick work, Cp Board, Painting & Distempering and steel work etc in Set No.2 Ground Floor at Harvington Estate Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	0.51 cum			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level (i) 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	4.39 cum			Per cubic metre	
3	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).(i) Second class Deodar wood	0.30 cum			Per cubic 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 panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood 35 mm thick	5.46 Sqm.			Per Square Metre	
5	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :cement mortar 1:4 (1 cement : 4 coarse sand)	2.82 Sqm.			Per Square Metre	
6	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	23.44 Sqm.			Per Square Metre	
7	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	6.50 Sqm.			Per Square Metre	
8	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	15.20 Sqm.			Per Square Metre	
9	Providing and fixing 0.80 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.	31.24 Sqm.			Per Square Metre	



10	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts. Hard wood	51.36	Rmt			Per Running Metre	
11	Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be measured and paid for separately.	22.00	Sqm.			Per Square Metre	
12	Providing and fixing 12mm thick Shuttring ply wood Conforming to IS in Plain lining/ Panelling/ under Floors with Necessary Screws/ nuts & Bolts/ Nails and fixed on wooden Frame/ Steel frame (Frame work Shall be Paid Separately) as per direction of Engineer - in Charge. including carriage of material in all leads and lifts	15.34	Sqm.			Per Square Metre	
13	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete including carriage of materials within all leads and lifts.(i) 2nd class Deodar wood 50x12 mm	22.20	Rmt			Per Running Metre	
14	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : (i) 250x16mm	2.00	No			Each	
15	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	4.00	No			Each	
16	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) 100x10mm	12.00	No			Each	
17	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	6.00	No			Each	
18	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (i) 125mm	11.00	No			Each	
19	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. (i) Triple strip vertical type	11.00	No			Each	
20	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	5.64	Sqm.			Per Square Metre	
21	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.	424.53	Sqm			Per Square Metre	
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (i) One or more coats on old work	352.36	Sqm			Per Square Metre	
23	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (i) Old work (one or more coats)	49.94	Sqm			Per Square Metre	

24	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	243.51	Sqm			Per Square Metre	
25	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	243.51	Sqm			Per Square Metre	
26	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	196.24	Kg			Per Kilogram me	
27	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).	18.00	Sqm.			Per Square Metre	
28	Providing and Fixing 1.5mm Thick PVC. Antistatic Venyle Flooring (LG Make) plain Coloured, corbed ar Moasic/ Metalled finish laid with approved Adhesive on sub- Floor (Damp prrof treatment to be paid for seprately) including carriage of materials within all leads and lifts	15.34	Sqm.			Per Square Metre	
Conditions:-						Total	

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

ii Useful materials will be handed over to the Assistant Engineer, Medical 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:- 129780.00
Earnest Money:- 3250.00
Time :- One Month.

Name of work: - A/R and M/O various residential buildings under division no III Shimla. (SH:- Replacement of polycarbonate sheet over roof of house no 5&6 at Benmore Section)

SR. NO.	Sub-Head/Item of work.	Qty.		Rate		Unit.	Amount.
				In Figures.	In Words		
	2	3		4	5	6	
1	Providing and fixing polycarbonatd tranparent 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 carrage of material within all leads and lifts.	74.16	Sqm.			Per square metre.	
						Total	
CONDITION							
1 Rates should be quoted for all heights including all leads and lifts for internal and external works.							
2 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:- 80399.00
 Earnest Money:- 1600.00
 Time :- One Month.

Name of work: - A/R and M/O Varolus residential buildings under division no III Shimla. (SH:- Repair of toilet and other minor repair in set no.2 at Old Richmond Villa at Richmond Shimla.)

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	24.10	Sqm		Per square metre	
2	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.	28.22	Sqm		Per Square metre	
3	Providing and fixing vitreous China pedestal type wash down, water closet (European type. W.C. pan) one piece with integral 'P' or 'S' trap including cistern seat and cover 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.	1.00	No		Each	
4	Providing and fixing vitreous china single hole wash basin of size 550 x 400 mm with C.I. brackets, 15mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require W complete including carriage of materials within all leads and lifts.	1.00	No.		Each	
5	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.	1.00	No.		Each	
6	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	
7	Providing and fixing charomium plated soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	1.00	No.		Each	
8	Providing and fixing C.P. Bib cock with foam flow without 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts:-	1.00	No.		Each	
9	Providing and fixing 15mm dia C.P. brass angle valve including carriage of materials within all leads and lifts	6.00	No.		Each	
10	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.	5.00	No		Each	
11	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 - a) 110 mm X 75 mm nominal diameter.	3.00	No.		Each	
12	Providing and fixing high pressure PVC (Finolex) type-B spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts - (i) 110mm dia	6.00	Rmt		Per Running metre	
(ii)	75mm dia	12.20	Rmt		Per Running metre	

Providing and fixing PVC single equal branch with oval access door, ISI marked insertion rubber washer 3mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	1.00	No.			Each	
75mm nominal size.	3.00	No.			Each	
Providing and fixing PVC Finolex type collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	4.00	No.			Each	
75mm nominal size.	12.00	No.			Each	
Providing and fixing PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	2.00	No.			Each	
75mm nominal size.	6.00	No.			Each	
Providing and fixing 470mm x420 mm bowl depth 178mm size Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink with drain board complete including carriage of materials within all leads and lifts.	1.00	No.			Each	
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	
Providing and fixing 100mm sand cast Iron grating for gully trap including carriage of materials within all leads and lifts.	2.00	No.			Each	
Providing and fixing 32mm dia P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Semi rigid pipe.	2.00	No.			Each	
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 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 3.50cum or more.	1.20	Cum			Per Cubic metre	
					Total	

CONDITION

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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:- 235127.00
 Earnest Money:- 4700.00
 Time :- One Month.

Name of work: - S/R to various residential buildings Under division no III Shimla. (SH:- C/O New Manhole Chamber, laying of sewerline etc of block No-19 and below IPH canteen at U.S Club Shimla.)

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
	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)	5.93 Cum			Per Cubic metre	
(ii)	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.	14.23 Cum			Per Cubic metre	
2	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 40 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 locations through all modes of transpotation within all leads lifts and other incidental charges.	3.56 Cum			Per Cubic metre	
	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)	3.56 Cum			Per Cubic metre	
3	Stone soling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP.PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	3.56 Cum			Per Cubic metre	
4	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 150mm dia.	25.00 Rmtr			Per running metre	
5	110mm dia.	34.40 Rmtr			Per running metre	
6	75 mm dia.	14.40 Rmtr			Per running metre	
7	(i) Providing and fixing PVC offset 45° ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i)150mm nominal size.	6.00 No			Each	
	(ii) 110mm dia.	12.00 No			Each	
	(iii) 75 mm dia.	12.00 No			Each	
	(iv) Providing and fixing PVC finolex type B double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	12.00 No			Each	
8	110mm dia.	12.00 No			Each	

Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	No			Each	
Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 90 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	No			Each	
Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	12.10	Cum			Per cubic metre	
					Total	

Condition:-

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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. :- 378808.00

Earnest Money Rs. :- 7580.00

Time:- One Month.

Name of work:- S/R to Various non residential building under division No III Shimla.(SH:-Providing and fixing pine wood ceiling, wooden lining & Polishing etc in Room No C-16 at Council Chamber at Vidhan sabha.)

Sl. No.	Items of work	Quantity	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:-Second class deodar wood.	1.36 Cum			Per cubic metre	
2	Providing and fixing 12mm thick water proof kit ply of standard quality of approved shade and colour in paneling and wall lining with butt jointing and nails (Frame work for base to be measured and paid for separately) including carriage of materials within all leads and lifts.	68.53 Sqm			Per square metre	
3	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):- Second class deodar wood.	0.32 Cum.			Per cubic metre.	
4	Providing and fixing 12mm thick pine wood for ceiling/lining of approved shade and colour in ceiling including mitring at junctions, butt jointing and nails complete (frame work for base to be measured and paid for separately) including carriage of material within all leads and lifts.	22.76 Sqm.			Per square metre	
5	Providing and fixing plain square edged cover fillets (beading) 50mm X20mm section with wood screws in ceiling and lining including mitring at junctions in 1st class deodar wood including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	43.70 Rmt.			Per Running metre	
6	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	8.56 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) 4mm thick ply-3ply complete including carriage of materials within all leads and lifts.	22.93 Sqm			Per square metre	
8	Melamine polishing on wood work (two or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	87.91 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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

iii 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:- 165688.00


Earnest Money:- 3310.00

Time :- One Month.

Name of work: - A/R and M/O various residential buildings under division no III Shimla. (SH:-Repair of wood work in ceiling, Painting and dstempering etc. in Oak Over.						
SR. NO.	Sub-Head/Item of work.	Qty.		Rate		Unit.
				In Figures.	In Words	
	2	3		4	5	6
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.	7.56	Sqm			Per square meter.
2	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc) complete including carriage of materials within all leads and lifts	1.70	SQM			Per square metre
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete as per directions of Engineer-in-charge.	4.56	SQM			Per square metre
	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	8.00	Sqm			Per square metre.
	Providing and fixing wire gauge shutters using galvanised M.S. wire guage of IS. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey wondows including bright finished black namelled iron hinges with necessary screws etc. complete including carrage of material within all leads and lifts. 30 mm thick in 2nd class deodar wood.	10.00	Sqm.			Per square metre.
	Providing and fixing 12mm thick shuttering ply/ water proof ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	14.20	Sqm.			Per Sqmtr metre
	Providing corrugated G.I sheet roofing fixed with galvanised iron J or L. hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafters and trusses. 0.63 mm thick	10.44	Sqm.			Per square metre.
	Providing and fixing polycarbonated transparent sheet 1.20mm thick in roofing with galvanised Jor l hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories asrequired in all leads and lifts as per direction of Engineer-in-charge.	3.84	Sqm.			Per square metre
	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	42.94	SQM			Per square metre
	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.	42.94	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.	14.2	Sqm			Per square metre

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.	367.4	Sqm			Per square metre	
Providing and fixing 250x10 mm bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts.	4.00	Each			Each	
Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.including carriage of materials within all leads and lifts.	1.00	No.			Each	
Providing and fixing bright finished brass handles with screws etc. complete:including carriage of material in all leads and lifts	2.00	No			Each	
Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	9.00	No.			Each	
Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete. 125mm	18.00	Each			Each	
Providing and fixing aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts:-(i)150 X 10 mm size.	18.00	Nos.			Each	
					Total	
CONDITION						

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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. :- 408742.00
 Earnest Money Rs. :- 8180.00

Time:- One Month.

Name of work: -Special Repair to Various residential Building under Shimla Division No.III (SH:- Providing and Laying Vetrified Tiles in room and Toilet, Cup Board, CC, 1:3:6, wood work, Sanitary work and steel work etc in Set No.1 at Harvington Estate Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	4.83 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 (i) 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	5.48 cum			Per cubic metre	
3	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)	8.83 Sqm.			Per Square Metre	
4	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete(i) Size of Tile 600x600 mm	48.35 Sqm.			Per Square Metre	
5	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete (i) Size of Tile 600x600 mm	13.25 Sqm.			Per Square Metre	
6	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts. (i) 1:6 (1 cement: 6 fine sand)	18.06 Sqm.			Per Square Metre	
7	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	51.11 Sqm.			Per Square Metre	
8	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	19.13 Sqm.			Per Square Metre	
9	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.	12.00 Sqm.			Per Square Metre	

1	Providing and fixing 0.80 mm thick coloured or plain laminated sheet (sumica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	52.48	Sqm.	Per Square	
2	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sumica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	15.56	Sqm.	Per Square	
2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).(i) Second class Deodar wood	0.05	cum	Per cubic metre	
13	Providing and fixing panelled or paneled 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).(i) Second class Deodar wood 35 mm thick	2.93	Sqm.	Per Square Metre	
14	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.Hard wood	120.80	Rmt	Per Running Metre	
15	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (i) 250x16 mm:	4.00	No	Each	
16	Providing and fixing ISI marked oxidised M.S. lower bolt black finish, (Barrel type) with necessary screws etc. complete: (i) 200x10mm	12.00	No	Each	
17	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete: (i) 100mm	10.00	No	Each	
18	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. (i) Triple strip vertical type	32.00	No	Each	
19	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.	6.00	No	Each	
20	Providing and fixing ISI marked steel handles conforming to with necessary screws etc. complete: (i) 200mm	32.00	No	Each	
21	Providing and fixing ISI marked steel handles conforming to with necessary screws etc. complete: (i) 150mm	12.00	No	Each	
22	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 : including carriage of material in all leads and lifts.(i) W.C. pan with ISI marked white solid plastic seat and lid	1.00	No	Each	
23	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings including carriage of material in all leads and lifts:(i) Flat back wash basin of size 630x450 mm	1.00	No	Each	

	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	
	Providing and fixing 100 mm sand C.P. grating for gully trap, including carriage of material in all leads and lifts.	1.00	No			Each	
26	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No			Each	
27	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : (i) 15 mm dia nominal bore	12.00	Rmt			Per Running Metre	
28	Providing and fixing brass stop cock of approved quality including carriage of material in all leads and lifts : (i) 15 mm nominal bore	6.00	No			Each	
29	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm nominal bore	2.00	No			Each	
30	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade. with necessary screws etc. complete. (i) Single rubber stopper	10.00	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.	2.00	No			Each	
32	Providing and fixing 15mm nominal bore C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	2.00	No.			Each	
33	Providing and fixing 110mm nominal size high pressure PVC (finolex) Type-A spigot and socket, waste and ventilating pipes ISI marked with collar and clamps including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	32.00	Rmt			Per Running Metre	
34	Providing and fixing 110mm nominal size PVC (finolex) Plain bends of required degree (any radius) including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110mm nominal size.	6.00	No			Each	
35	Providing and fixing 110mm nominal size PVC (finolex) Collar including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110mm nominal size.	6.00	No			Each	
36	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.	136.80	Kg			Per Kilogram me	

	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.	36.52	Sqm.			Per Square Metre	
38	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.	36.52	Sqm			Per Square Metre	
39	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:One or more coats on old work	110.70	Sqm			Per Square Metre	
40	Disposal of moorum/ buil:dng rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. Foe lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carrng motor vehicle of 3.5 cum. or More.	4.83	cum			Per cubic metre	
	Conditions:-					Total	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical 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:- 347579.00

Earnest Money:- 6950.00

Time :- One Month.

Name of work:- Special Repair to Varoius residential buildings under division no III Shimla. (SH:- Repair of toilet in type IV Block II set no 7,8, repair of block No. 40,41 painting and distempering etc at Ricchmound Section)

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
	2	3	4	5	6	
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	0.80 Cum			Per cubic metre	
2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead. Of sectional area 40 square centimetres and above, including carriage of materials within all leads and lifts.	0.508 Cum			Per cubic metre	
3	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	11.59 Sqm			Per Square metre	
4	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).	0.68 Cum			Per cubic metre	
5	Centering and shuttering including strutting, propping etc. and removal of form for all heights. Suspended floors, roofs, landings, balconies and access platform	5.58 Sqm			Per Square 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 complete including carriage of materials within all leads and lifts.	81.00 Kg			Per Kilogramme	
7	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.	4.12 Sqm			Per Square metre	
8	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.	4.85 Rmtr			Per Running metre	
9	Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 300mm x450mm..	25.19 Sqm			Per Square metre	
10	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	0.13 Cum			Per cubic metre	
11	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	127.01 Kg			Per Kilogramme	

✓	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.	740.98	Kg			Per Kilogramme	
	Providing and fixing M.S. Irc fabric 20mmx60mmx3.25mm thick as per approved design by welding with electric plant complete including applying priming coat of red lead paint as per specification 1990 volume-I including carriage of material in all leads and lift complete as per direction of Engineer-in-Charge.	15.34	Sqm			Per Square metre	
	Providing and fixing MS BP sheet 1.66 to 2.00 mm thick in eaves board /facia/ soffits/ ceiling including cutting fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (base members of steel work shall be measured and paid separately).	8.85	Sqm			Per Square metre	
	Providing and fixing polycarbonate transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpe and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	12.10	Sqm			Per Square metre	
	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.)	1.25	Sqm			Per Square metre	
	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.	8.19	Sqm			Per Square metre	
18	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	114.64	Sqm			Per Square metre	
19	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping , or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	179.97	Sqm			Per Square metre	
20	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works. including carriage of materials within all leads and lifts	8.85	Sqm			Per Square metre	
21	Painting Steel with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. two or more coats on old work. including carriage of materials within all leads and lifts.	65.33	Sqm			Per Square metre	
22	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.	294.61	Sqm			Per Square metre	
23	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	449.42	Sqm			Per Square metre	
24	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (One or more coat applied @ 1.67 ltr/10 sqm). including carriage of materials within all leads and lifts.	286.61	Sqm			Per Square metre	
25	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. One or more coats on old wood work. including carriage of materials within all leads and lifts	337.94	Sqm			Per Square metre	
26	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	24.18	Sqm			Per Square metre	

*Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Old Work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	346.62	Sqm		Per Square metre
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 630x450 mm with a pair of 15 mm C.P. brass pillar taps	2.00	No.		Each
Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	5.32	Cum		Per cubic metre
Providing & fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts	2.00	No.		Each
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
Providing and fixing 1500x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	1.00	No.		Each
Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	2.00	Rmtr		Per runningmetre
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:-150mm dia.	1.00	No.		Each
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	1.00	No.		Each
Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts	8.00	No.		Each
				Total

Condition:-

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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 | 387010.00
Earnest Money | 7740.00

Time:- one months.
Name of work:- S/R to Set No 42,49,306,208 occuied by Sh. Hans Raj, Prem Paul Sr, PVT Secretary, Ram Dev at Metropole Shimla. (SH:- Providing and Fixing

Items of work

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	5.44 CUM			Per Cubic metre	
2	Dubbing out an old irregular walls average 10mm thick with cement mortar 1:6 (1 Cement : 6 sand) including carriage of materials in all leads and lifts.	72.48 Sqm.			Per square metre.	
3	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	1.27 Sqm			Per square metre.	
4	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.	4.32 Sqm			Per square metre.	
5	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts.	72.08 Sqm			Per square metre.	
6	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	24.03 Sqm			Per square metre.	
7	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply including carriage of materials within all leads and lifts.	19.15 Sqm			Per Square metre	
8	Providing and fixing 1.00mm thick coloured or plain lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc. including carriage of materials within all leads and lifts.	33.03 Sqm			Per square metre.	
9	Providing and fixing hard wood square edges cover fillets (beading) 19mm x 6mm section including mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	139.89 Rmt.			Per running metre.	

10	Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
11	Providing and fixing aluminium 150x10 mm size 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 including carriage of materials within all leads and lifts.	8.00 No.			Each	
12	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts.	12.00 No.			Each.	
13	Providing and fixing 100mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	52.00 No.			Each	
14	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).	48.00 No			Each	
15	Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	28.10 Sqm			Per Square metre	
16	Providing and laying vitrified tiles of 600mm X 600mm 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.	8.40 Sqm			Per Square metre	
17	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.	72.48 Sqm			Per square metre	
18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	317.06 Sqm			Per square metre	

19	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.	199.77 Sqm		Per square metre.	
20	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.	199.77 Sqm		Per square metre	
21	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.	47.66 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 including carriage of materials in all leads and lifts.	57.24 Sqm		Per square metre.	
23	Distempereing (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.including Priming coat with distemper primer.including carriage of materials within all leads and lifts.	72.48 Sqm		Per square metre.	
24	Distempereing with 1st quality acrylic distemper/ oil bound (Ready mix) having VOC content less than 50grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats).	139.86 Sqm		Per square metre	
25	Providing and fixing wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm .	1.00 No.		Each	
26	Providing and fixing Ess-Ess Bib cock with foam flow without 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts:- Cat No-C-202	2.00 No.		Each	

27	Providing and fixing 15 mm dia Ess- Ess Wall mixer without telephonic shower arrangement of approved quality and make (Cat no.NEC-08) including carriage of materials within all leads and lifts.	2.00 No.			Each	
28	Providing and fixing Sink mixer with swinging spout wall mounted including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:- Cat No. NEC-12	2.00 No			Each	
29	Providing and fixing Centre hole basin mixer without pop-up waste system with flexible pipe including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:- Cat No. NEC-07	2.00 No			Each	
	<i>! Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>				Total	
	<i>ii 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.</i>					


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

SCHEDULE OF QUANTITY

Estimated cost:- 110640.00

Earnest Money:- 2210.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shmla. (SH:- Repair of ceiling, white washing, c/o W/C, flooring sanitary repair etc in Block-30 set no 11 at U.S club Shimla)

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
	2	3	4	5	6	
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.	15.22	Sqm		Per square meter.	
2	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc) complete including carriage of materials within all leads and lifts	5.22	Sqm		Per square metre	
3	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) 6mm thick including carriage of materials within all leads and lifts.	13.10	Sqm		Per square metre	
4	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete as per directions of Engineer-in-charge.	5.22	Sqm		Per square metre	
5	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete. complete including carriage of materials within all leads and lifts second class devdar Wood	35.00	RMT		Per running metre	
	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.	11.00	Each		Each	
	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts - (i) 125mm size.	9.00	Each		Each	
8	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	2.45	Sqm		Per square metre.	
9	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.	1.26	Sqm		Per square metre.	
10	Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	3.00	No.		Each	
11	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 -Rai wood.	0.06	Cum		Per cubic metre	
12	Providing and fixing 40x12mm hard wood corner beading with wood screws in glazing partition etc. including carriage of materials within all leads and lifts.	25.00	Rmt.		Per running metre.	
13	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.	62.16	Sqm.		Per Square metre	
4	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre.	48.76	Sqm		Per square metre	
5	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	48.76	Sqm		Per square metre	
6	Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc	8.80	Sqm		Per square metre	

17	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	Sqm	Per square metre
18	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white 2.00 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	No.	Each
19	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber 2.00 buffers including carriage of materials within all leads and lifts -Solid Type -White plastic seat and cover.	No.	Each
20	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 2.00 W.C. of quality and make as approved by Engineer - in - charge.	No.	Each
21	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 in all leads and lifts.	Sqm.	Per square metre.
22	Finishing walls with Acrylic Smooth emulsion paint of required shade complete including carriage of materials within all leads and lifts - Old work (One or more coats old work)	Sqm	Per square metre
23	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old wood work including carriage of materials within all leads and lifts.	Sqm	Per square metre
4	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, Sintex or its equivalent make 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 in all leads and lifts by mechanical or manual means.	Ltrs	Per Liters.
			Total

CONDITION

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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

17	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality 1.10 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). Joining with grey cement slurry @ 3.3 kgsqm including pointing the joints with white cement and matching pigment etc., complete		Sqm				Per square metre
18	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 specialists 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	2.00	No.				Each
19	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber 2.00 buffers including carriage of materials within all leads and lifts. -Solid Type :-White plastic seat and cover.		No				Each
20	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 2.00 W.C. of quality and make as approved by Engineer - in - charge.		No.				Each
21	Removing dry or oil bound distemper water proofing cement paint and the like by scraping, sand papering and preparing the 62.16 surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.		Sqm.				Per square metre.
22	Finishing walls with Acrylic Smooth exterior paint of required shade complete including carriage of materials within all leads and 62.16 lifts. - Old work (One or more coat on old work)		Sqm				Per square metre
23	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more 48.76 coats on old wood work including carriage of materials within all leads and lifts.		Sqm				Per square metre
4	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, Sintex or its equivalent make 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 in all leads and lifts by mechanical or manual means..	500.00	Ltrs				Per Liters.
CONDITION							Total

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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. :- 312612.00

Earnest Money Rs. :- 6252.00

Time:- One Month.

Name of work:- Furnishing of New MLA Hostel building at Metropole. (SH:- Providing and Fixing curtain in set No.412 201,105and Providing and PVC chair in set No.702.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Supplying and fixing following size curtains of superior quality cloth as per approved sample of D-Decore including quality of cloth, design and shade etc. with 8 no eye lid rings in each curtain, curtain should having 6.5" bottom fold and 4" top fold stitched together complete having following stitched lengths including carriage of material with in all leads and lifts:- (i) 2.25 to 2.40.	92.00	No			Each	
2	Re-stuffing of sofa sets three seater with seat and back with markin and superior quality tapestry cloth of approved brand, shade and design cuttng to shape, stitching and fixing etc. including properly securing springs in position with twines 'U' hooks and cane strick etc. and fixing foam padding in seat and back complete including cost of tapestary cloth foam sheet complete as per the direction of the Engineer-in-Charge:- (i) Three seater Sofa Set.	2.00	No			Each	
3	Re-stuffing of sofa sets three seater with seat and back with markin and superior quality tapestry cloth of approved brand, shade and design cuttng to shape, stitching and fixing etc. including properly securing springs in position with twines 'U' hooks and cane strick etc. and fixing foam padding in seat and back complete including cost of tapestary cloth foam sheet complete as per the direction of the Engineer-in-Charge:- (i) Single seater Sofa Set.	4.00	No			Each	
4	Providing and placing at site heavy duty superior quality plastic chair and sample of superior quality leathente fabric complete including carriage of materials within all leads and lifts.	8.00	No.			Each	
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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.
- 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:-

287994.00

Earnest Money:-

5800.00

Time :-

One Month

Name of work:-Special repair to Old building at DDU hospital Shimla. (SH:-Repair of room No. 11 using as Ultrasound OPD)

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and fixing 12 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	10.26 Sqm.			Per Square metre	
2	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	8.00 No.			Each	
3	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	6.00 No.			Each	
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	6.84 Sqm.			Per square metre.	
5	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	6.84 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.	30.00 Rmt.			Per running metre.	
7	Providing and fixing 0.80mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	29.88 Sqm.			Per square metre.	
8	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)For 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) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)including carriage of materials within all leads and lifts.	85.00 Kg			Per Kilogramme	
9	Providing and fixing PVC paneling/ceiling of approved size fixed with tongued & grooved jointing/installed/ fixed with screws complete as per direction of Engineer-in-Charge including carriage of materials in all leads and lifts.	42.60 Sqm.			Per square metre.	
10	1.5 mm thick pvc/rubber tiles flooring (L.G. Make or equivalent) plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)/for payment including carriage of materials within all leads and lifts.	29.16 Sqm.			Per square metre	
11	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile including carriage of materials within all leads and lifts.	40.33 Sqm.			Per square metre	
12	Painting one coat (excluding priming coat) on previously painted concrete/ masonry / plastered surface with readymixed paint/ brushing for use on floors to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required with Paint other than white including carriage of materials within all leads and lifts.	95.06 Sqm			Per square meter	
13	Providing and fixing high pressure PVC (Finolux) 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 - 110 mm dia.	30.00 Rmt.			Per running metre.	

4	Providing and fixing PVC Finolux type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	15.00 No	Each	
14	Providing and fixing Polyethylene-Aluminium- Polyethylene PE-AL- PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge Concealed work, including cutting chases and making good the wall etc 1216 (16 mm OD) pipe including carriage of materials within all leads and lifts.	8.00 No 20.00 Rmt.	Each Per running metre.	
15	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	1.00 No.	Each	
16	Providing and fixing single hole wash basin with C.I. brackets, 15 mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required White Vitreous China Wash basin size 550x400 mm including carriage of materials within all leads and lifts.	2.00 No.	Each	
17	Providing and fixing brass bib cock of approved quality 15 mm nominal bore including carriage of materials within all leads and lifts.	6.00 No.	Each	
18	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 100 mm including carriage of materials within all leads and lifts.	8.00 No.	Each	
19	Providing and fixing brass stop cock of approved quality 15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.	Each	
20	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	1.00 No.	Each	
21	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete	4.00 No.	Each	
22	200x10 mm including carriage of materials in all leads and lifts. Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete 300x16 mm including carriage of materials within all leads and lifts.	2.00 No.	Each	
23	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete -32 mm dia including carriage of materials within all leads and lifts.	1.00 No.	Each	
24	Providing and fixing PVC Finolux type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts-110mm X 90mm.	4.00 No.	Each	
	CONDITION:-		Total:-	

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

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

i) 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.

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 245261.00

Earnest Money Rs. :- 4910.00

Time:- One Month.

Name of work: -Special Repair D.O.T. Centre Building at IGMC. Shimla (SH:- C/O Store By Steel Structure and Providing and Fixing Cup Board etc. in DOT. Centre)

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)	13.86	Sqm.			Per Square Metre	
2	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	4.50	Sqm.			Per Square Metre	
3	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	10.57	Sqm.			Per Square Metre	
4	Providing and fixing 0.80 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.	23.04	Sqm.			Per Square Metre	
5	Providing and fixing plain square edged cover fillets (beading) 19mm X 6mm section including mitring at junction with wooden screws /nails etc. complete in hard wood including carriage of materials within all leads and lifts.	28.35	Rmt			Per Running Metre	
6	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(i) 250x10mm	2.00	No.			Each	
7	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :(i) 125mm	2.00	No.			Each	
8	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm.	1.00	No.			Each	
9	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100mm	6.00	No			Each	
10	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.including carriage of materials within all leads and lifts(i) Double strip (horizontal type)	12.00	No.			Each	
11	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete including carriage of materials in all leads and lifts.	6.00	No			Each	
12	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 in all leads and lifts.	5.40	Sqm			Per Square Metre	

13	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.(i) 40 mm thick with 20 mm nominal size stone aggregate	4.98	Sqm			Per Square Metre	
14	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.(i) Area of slab upto 0.50 sqm	2.34	Sqm			Per Square Metre	
15	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.(i) Granite Stone	2.45	Rmt.			Per Running Metre	
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In beams joists, chanel, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.	715.35	Kg			Per Kilogramme	
17	Providing and fixing M.S. BP sheet 1.66 to 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof member and applying a coat of red lead of primer complete in all respect as per directions of the Engineer-in-Charge.including entire carriage of materials in all leads and lifts	35.44	Sqm			Per Square Metre	
18	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	7.68	Sqm			Per Square Metre	
19	Providing and fixing pre-coated 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) Flashings/ Aprons.(Upto 600 mm)	4.80	Rmt.			Per Running Metre	

0	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new steel work ncluding carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	69.49	Sqm			Per Square Metre	
	Conditions:-					Total	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical 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- 180496.00

Earnest Money- 3610.00

Time :- One Month.

Item of work :- A/R and M/O Various residential buildings under division no III Shmla. (SH:- Repair of wood work, painting and distemper in old block-1 set No. 40 & 42 at Anmore Section)

R. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
2		3	4	5	6	
	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.	39.84	Sqm		Per square meter	
	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials within all leads and lifts.	17.28	Sqm		Per square metre	
	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.	0.323	Sqm		Per square metre	
	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover filets to be measured and paid for separately) 6mm thick including carriage of materials within all leads and lifts.	43.12	Sqm		Per square metre	
	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete as per directions of Engineer-in-charge.	17.28	Sqm		Per running metre	
	Providing and fixing 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 second class devdar Wood	78.20	RMT		Each	
	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts - (i) 100mm size	32.00	No		Each	
	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Double strip (horizontal type) complete. complete including carriage of materials within all leads and lifts	32.00	No		Per square metre.	
	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.	3.20	Sqm.		Per square metre.	
0	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.	15.96	Sqm.		Each	
1	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.	39.90	Sqm		Per cubic metre	
2	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre.	140.08	Sqm		Per running metre.	
3	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	140.08	Sqm		Per Square metre	
4	Painting wood work with Deluxe Multi Surface Paint to give an even shade one or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	54.53	Sqm		Per square metre	

Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.

	1000.00	Ltr						Per square metre	
CONDITION								Total	

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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:- 161000.00
Earnest Money:- 3220.00
Time :- One Month.

Name of work: - A/R and M/O various residential buildings under division no III Shimla.(SH:- Minor repair work in various residences under Benmore Section)

R. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
	2 Providing and placing at site Double Bed Box 6'x6'x5" in black board and finished with sunmica complete including carriage of materials in all leads and lifts as per direction of Engineer in Charge.	3 1.00 No.	4	5	6 Each	
	Providing and placing at site one single Diwan box in black board 72"x30"x12" with cushion 72"x30"x12" with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.	1.00 No.			Each	
	Supplying and fixing at site 24"x24" x18" size centre table of teak wood including finished with malamine polish complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
	Supplying and fixing at site 18"x18"x16" size corner table of teak wood with glass top 12mm thk including finished with malamine polish complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
5	Re-Stuffing/upholstering of sofa chair single seater of size 21"x22" with approve shade of superior, quality tapestary cloth and high density foam and spring complete including carriage of materials in all leads and lifts.	8.00 No			Each	
6	Re-Stuffing/upholstering of sofa chair three seater of approve shade of superior, quality tapestary cloth and high density foam and spring complete including carriage of materials in all leads and lifts.	4.00 No			Each	
7	Supplying and fixing at site 4'x4' x1'5" size centre table of teak wood with glass top 12mm thk. Complete. Including finished with malamine polish complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
8	Supplying and fixing at site 2.5'x4' size teak wood cot stand finished with well polished surface complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
	CONDITION				Total	

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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-

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 215337.00
Earnest Money Rs. :- 4310.00

Time:- One Month.

Name of work: - A/R & M/O to Various Residential Building Under Shimla Division No.III(SH:- Providing and laying floor tiles wall tiles , cup Boards, Painting and Distemping etc , etc in Set No.1 First Floor Victoria Place 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 (i/c equivalent design mix)including carriage of materials within all leads and lifts.	1.16 Cum			Per Cubic Metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within including carriage of materials within all leads and lifts.	23.32 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 :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.58 Cum.			Per Cubic Metre	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc:- Sal wood including carriage of materials within all leads and lifts.	0.018 Cum.			Per Cubic Metre	
5	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 all leads and lifts and as directed by theEngineer-in-Charge.(i) 35mm thick shutters deodar wood.	1.52 Sqm			Per Square Metre	
6	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	8.57 Sqm.			Per Square Metre	
7	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc. complete including carriage of materials in all leads and lifts.	20.86 Sqm			Per Square	
8	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials within all leads and lifts.	8.72 Sqm			Per Square	

	Providing and fixing 10 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.	21.97	Sqm.				Per Square Metre	
10	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.	78.14	Rmt.				Per Running Metre	
11	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete(i) 250x16mm	1.00	No				Each	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 150x10 mm	2.00	Nos.				Each	
13	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 125mm	2.00	No				Each	
14	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm	21.00	No				Each	
15	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts(i) Double strip (horizontal type)	21.00	No.				Each	
16	Providing and laying Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts.	2.81	Sqm				Per Square Metre	
17	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete(i) Size of Tile 600x600 mm	20.03	Sqm.				Per square metre	
18	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete(i) Size of Tile 600x600 mm	23.32	Sqm				Per Square Metre	

	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. (i) Polished Granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.					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. (i) Granite Stone	5.10	Rmt.			Per Running Metre	
21	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts. (i) 1:6 (1 cement: 6 fine sand)	23.32	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 including carriage of materials within all leads and lifts.	24.17	Sqm			Per Square Metre	
23	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.	62.41	Sqm			Per Square Metre	
24	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.	41.36	Sqm.			Per square metre	
25	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.	41.36	Sqm.			Per square metre	
26	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade. (i) Old work (one or more coats)	60.42	Sqm			Per Square Metre	
27	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.	66.95	Sqm			Per Square Metre	
28	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	1.00	No.			Each	
29	Providing and fixing single hole wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. (i) White Vitreous China Wash basin size 630x450 mm	1.00	No.			Each	
30	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts.	1.00	No.			Each	

	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 ;(a) Kitchen sink with drain board (i)510x510 mm bowl depth 200	1.00	No.				Each	
32	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	
33	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete ;(i) White solid plastic seat with lid	1.00	No.				Each	
34	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete,(i) 32 mm dia	3.00	No.				Each	
35	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	2.00	No.				Each	
36	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete including carriage of materials within all leads and lifts.	1.00	No.				Each	
37	Providing and Fixing Acrylic Corner With 3 Nos Shelves including fittings complete .including carriage of materials within all leads and lifts.	1.00	Set				Each Set	
38	Supplying/ providing of CP towel rod 600mm X 20mm size with bracket at store of IGMC section including carriage of materials within all leads and lifts.	1.00	Nos.				Each	
39	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work 15 mm dia nominal bore including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	11.45	Rmt.				Per Running Metre	
40	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials within all leads and lifts.	2.00	Nos.				Each	
41	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	6.00	No.				Each	
42	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931complete within carriage of material in all leads and lifts and as directed by the Engineer in Charge:- 15 mm nominal bore.	2.00	No.				Each	
43	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	5.00	No.				Each	

Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	13.00	No.			Each	
Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respect as per direction of Engineer-in-Charge.	3.27	Cum			Per Cum 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
HP, PWD. Shimla-3

SCHEDULE OF QUANTITY

Name of work: - A/R and M/O various residential buildings under division No III Shilma (SH:- Distempering & painting and C/O cup board in House 6 under Benmore Section.)

Estimated cost - 153286.00
 Earnest Money - 3070.00
 Time :- One Month

SR. NO.	Sub-Head/Item of work.	Qty.	In Figures.	Rate	Unit.	Amount.
1	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) 6mm thick including carriage of materials within all leads and lifts.	1.63	3	6	Per square metre	
2	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc) complete including carriage of materials within all leads and lifts	1.66	4	5	Per square metre	
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.	7.09			Per square metre	
4	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sumica) on board/ply wood sheets with approved adhesive and nails etc complete as per directions of Engineer-in-charge.	9.44			Per square metre	
	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete. complete including carriage of materials within all leads and lifts	13.04			Per running 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 including carriage of materials within all leads and lifts.	385.47			Per square metre	
	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	17.47			Per square metre	
	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	17.47			Per square metre	
8	Providing and fixing aluminium handles. ISI marked, anodised (anodic coating not less than grade A/C 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :-100 mm.	6.00			Each	
9	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.	2.00			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	1.00			For Set	
11	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.	3.68			Per square metre	

Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade Old work (One or more coats) over and including water thinnable priming coat with cement primer.	919.99	Sqm			Per square metre	
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	210	Sqm.			Per square metre.	
Melamine polishing on wood work (one or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	192.56	Sqm.			Per square metre.	
					Total	

CONDITION

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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
Xam

SCHEDULE OF QUANTITY

Name of work: - A/R and M/O various residential buildings under division no III Shimla. (SH:- C/O garage for set no.7 Type - V at Richmond Shimla.)

Estimated cost:- 162323.00
 Earnest Money:- 3250.00
 Time :- One Month.

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount
			In Figures.	In Words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. 29.03	3	4	5	6	
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 grillings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts	737.41			Per square metre.	
3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces). excluding the cost of purlins, rafters and trusses and including cutting to size and shape whenever required 0.63 mm thick with zinc coating not less than, including carriage of materials within all leads and lifts	74.01			Per square metre.	
						Total

CONDITION

- 1 Rates should be quoted for all heights including all leads and lifts for internal and external works.
- 2 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

(work:-Special repair to Various residential buildings under Shimla Division No. III (SH:- Providing & fixing ceiling, wood work, shutters, ceiling, tiles and sanitary fittings in block No. 20 No. 3 type-IV) at Nabha Estate Shimla.

Estimated cost:-
Earnest Money:-
Time :-

327702.00
6600 00
One Month

327702.00

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead Of area 3 sq. metres and below including carriage of materials within all leads and lifts.	4.00 No.			Each	
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	4.00 Cum			Per Cubic meter	
3	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts:- 2nd class deodar wood	0.30 Cum			Per cubic meter	
4	Providing wood work in frames of false ceiling, partition etc. sawn and and pulpup in position including carriage of materials within all leads and lifts Second class chilral wood	0.0449 Cum			Per cubic metre	
5	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	5.91 Sqm			Per square meter	
6	Providing and fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of 1.5 gauge designation 85G with wire of dia 0.56 mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws, complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood	1.34 Sqm.			Per square meter	
7	Providing and fixing F.C.I Sheet 0.63mm thick in ceiling/lining of approved quality with butt jointing and nails/screws etc. complete (frame work and fillers to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	13.18 Sqm			Per square meter	
8	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform including carriage of materials within all leads and lifts.	2.17 Sqm.			Per square meter	
9	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.019 Cum			Per Cubic meter	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- 1. 4:8 (1 Cement : 4 coarse sand) : 5 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	1.09 Cum			Per Cubic meter	
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :-Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of materials within all leads and lifts.	5.35 Cum			Per Cubic meter	
12	Providing and fixing 15 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqmincluding carriage of materials within all leads and lifts.	2.37 Sqm.			Per square meter	
13	Providing edge moulding to 15 mm thick marble stone counters Vanies etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge including carriage of materials in all leads and lifts.	3.40 Rmt.			Per running metre	

	providing and fixing 1st quality ceramic glazed wall tiles of size 450x300mm 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.	63.81 Sqm	Per square meter	
6	Providing and laying vitrified floor tiles 300x300mm in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	15.45 Sqm	Per square meter	
16	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 including carriage of materials within all leads and lifts.	16.00 No.	Each	
17	Providing and fixing munga jali on wooden surface complete in all respect as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	79.07 Sqm	Per square meter	
18	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	79.07 Sqm	Per square meter	
19	15 mm cement plaster on the fair side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	95.98 Sqm	Per square meter	
20	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes including carriage of materials within all leads and lifts.	0.93 Sqm	Per square meter	
21	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	2.00 No.	Each	
22	Providing and fixing single hole wash basin with C.I. or M.S. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps including carriage of materials within all leads and lifts.	1.00 No.	Each	
23	Providing and fixing Stainless Steel A ISI 304 (16/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x510 mm bowl depth 200	1.00 No.	Each	
24	Providing and fixing 8 mm dia C.P. / S.S. jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	2.00 No.	Each	
25	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	2.00 No.	Each	
26	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	
27	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. Brass screws including carriage of materials within all leads and lifts.	2.00 No.	Each	
28	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc internal work - External on wall 15 mm dia nominal bore including carriage of materials within all leads and lifts.	24.80 Rmt.	Per running metre.	
29	Providing and fixing uplastised 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	
30	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials in all leads and lifts.	7.00 No.	Each	

	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 including carriage of materials in all leads and lifts.	10.00 No.			Each	
	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	6.00 No			Each	
	Providing and fixing 250x16 mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	3.00 No			Each	
34	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m ² including carriage of materials within all leads and lifts.	2.55 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimate of work:- A/R & M/O various residential buildings under Shimla Division No. III (SH:-Providing & fixing tiles, lining & sanitary fittings etc in block No. G-III/78,80, 37/1GF, /8 OH etc) at Nabha Estate Shimla.

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

157739.00
 3200.00
 One Month

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge -Nominal concrete 1:4:8 or leaner mix (1/c equivalent design mix) including carriage of materials within all leads and lifts.	2.16 Cum			Per Cubic meter	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	16.80 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 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge in Foundation and plinth	1.81 Cum			Per cubic metre.	
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials within all leads and lifts.	7.80 Sqm			Per square meter	
5	Providing and laying vitrified floor tiles 600x600mm in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	7.54 Sqm			Per square meter	
6	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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete, including carriage of materials within all leads and lifts.	15.40 Sqm			Per square meter	
7	Providing and fixing PGI Sheet 0.63mm thick in ceiling/lining of approved quality with butt jointing and nails/ screws etc. complete (frame work and fillets to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	34.72 Sqm			Per square meter	
8	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	361.89 Kg.			Per Kilogramme	
9	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	43.20 Kg.			Per Kilogramme	

	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 including carriage of materials in all leads and lifts.	34.72 Sqm.		Per square meter	
	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid. 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	2.00 No.		Each	
12	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	2.00 No.		Each	
13	Providing and fixing 100mm dia CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	7.00 No.		Each	
14	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 550x400 mm with a pair of 15 mm C.P. brass pillar taps including carriage of materials within all leads and lifts.	1.00 No.		Each	
15	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts.	5.00 No.		Each	
16	Providing and fixing C.P. wall mixer faucet for shower & bath with overhead type 1210cm including carriage of materials within all leads and lifts. Make Seiko or equivalents.	1.00 No.		Each	
17	Providing and fixing high pressure PVC (Finolux) 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 - 110 mm dia.	3.00 Rmt.		Per running metre.	
	(ii) 75 mm dia	2.00 Rmt		Per running meter	
18	Providing and fixing plain tee including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No.		Each	
19	Providing and fixing 15 mm nominal bore upsticised PVC connection pipe with brass unions 45 cm length including carriage of materials within all leads and lifts.	5.00 No.		Each	
20	Providing and fixing PVC Finolux type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts - 110mm X 90mm.	4.00 No.		Each	
21	Providing and fixing PVC Finolux type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No.		Each	
22	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia nominal bore including carriage of materials in all leads and lifts.	3.00 Rmt		Per running metre	
	CONDITION:-			Total:-	

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

Executive Engineer
Shimla Division NO.111,
HP. PWD Shimla-177003

SCHEDULE OF QUANTITY

Estimated cost:- 407873.00
Earnest Money:- 8170.00
Time :- One Month.

Name of work:- S/R to various residential buildings Under division no III Shimla. (SH:- Construction of new Manhole chambers, laying of sewerline, drain, plinth protection etc in Bock No IV and below Club Cottage at U.S Club Shimla.

SR. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
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)	3	4	5	6	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	11.33			Per Cubic metre	
3	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 40 mm nominal size) mechanical mixed and curing complete excluding the cost of centering and shuttering in foundation locations through all modes of transportation within all leads lifts and other incidental charges.	5.18			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 20 mm nominal size)	18.18			Per Cubic metre	
5	Stone soling properly hand-packed filling interstices with Khairanji stone under floor specified thickness complete as per HP.PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	5.40			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, complete including carriage of materials within all leads and lifts.	60.36			per kilogramme	
7	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 150mm dia.	50.50			Per running metre	
(ii)	110mm dia.	59.40			Rmtr	
7	(i) Providing and fixing PVC offset 45° ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 150mm nominal size.	12.00			Per running metre	
(ii)	110mm dia.				Each	
8	(iii) Providing and fixing PVC finolex type B double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 150mm dia.	8.00			Each	
(iv)	110mm dia.	6.00			Each	
		3.00			No	
					Each	

SCHEDULE OF QUANTITY

Name of work: -Special Repair to Various Residential Buildings Under Shimla Division No.III (SH:- Providing and Laying floor/Wall tiles Gl. Pipe etc.in Set No. 611,612,614, & 615 at Block No. 25 Sector-3 New Shimla)

Time:- One Month.

Estimated Cost Rs. :- 295779.00
Earnest Money Rs. :- 5920.00

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) including carriage of materials within all leads and lifts.	7.85 Cum			Per Cubic Metre	
2	Demantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within including carriage of materials within all leads and lifts.	13.17 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 : (i): 2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	3.93 Cum			Per Cubic Metre	
4	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete (i) Size of Tile 600x600 mm	157.04 Sqm			Per Square Metre	
5	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. (i) Size of Tile 600x600 mm	13.17 Sqm			Per Square Metre	
6	15 mm cement plaster on the rough side of single or half brick wall of mix : (i) 1:6 (1 cement: 6 fine sand)	13.17 Sqm			Per Square Metre	
7	Disposal of moonum/ 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 alleasts, 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.	8.18 Cum			Per Cubic Metre	

Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc External Work (i) 15 mm dia nominal bore

Providing and fixing C.P. Flange (size 65mm) of approved make and quality as per direction of Engineer in-charge.