

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

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

13311

Dated:- 4-8-22

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

*Subject: - Tender Notice.*

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

*Encl: - As above*

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

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

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP.PWD. Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in HP.PWD, so as to reach in his office on or before 12-08-2022 up to 10.30 A.M. and will be opened on the same day at 11.00 A.M. in the presence of the intending Contractors/Firms or their authorized representatives. The tender form can be had from his office against cash payment (non-refundable) on any working day up to 4.00 P.M. on 11-08-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 11-08-2022.

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

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Form No	Cost of form
1	Special repair to new DDU hospital building at Shimla (SH:-Covering of water storage tank stand) at DDU Hospital Shimla).	Rs.4,81,980/-	Rs.9650/-	One Month	6&8	350/-
2	Special repair to residential building under Shimla Division No.III (SH:- Renovation of kitchen in Ground floor, construction of cupboard for modular kitchen and providing and fixing floor & wall tiles in Park Seven building at Nigam Vihar Shimla).	Rs.3,77,363/-	Rs.7550/-	One Month	6&8	350/-
3	A/R & M/O to various Building under IGMC Shimla (SH: - Aluminum work, steel work painting and distemping etc. at various floors of block E).	Rs.4,99,537/-	Rs.10000/-	One Month	6&8	350/-
4	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and fixing wire gauge shutters, painting Apex, repair of damaged floor of set No.1 Squash Court building Basement floor of Type-I Qtrs and PU, polishing in Furniture of Governor House, Guest House at Raj Bhawan Shimla).	Rs.1,30,794/-	Rs.2620/-	One Month	6&8	350/-
5	Special repair to various residential buildings under division No.III Shimla (SH:- Covering of natural water resource and connection the waste pipes to main water pipeline of M.C. Shimla).	Rs.1,05,877/-	Rs.2120/-	One Month	6&8	350/-
6	Special repair to Himachal Hospital at Mental Health and rehabilitation Boileauganj Shimla-5 (SH:- Construction of boundary wall in left side of Hospital complex).	Rs.4,98,227/-	Rs.9970/-	One Month	6&8	350/-
7	Special repair to H.P. Public Service Commission office at Nigam Vihar Shimla (SH:-Providing and fixing 12mm thick pine wood paneling, UPVC window and cupboard in Conference Hall of H.P. Public Service Commission building at Nigam Vihar Shimla).	Rs.4,11,756/-	Rs.8240/-	One Month	6&8	350/-
8	Special repair to Nursing Hostel at IGMC Shimla (SH: - Providing and laying vetrified tile, cupboard, door, painting and distemping in Set No. 6 Block-C).	Rs.3,41,247/-	Rs.6830/-	One Month	6&8	350/-
9	Special repair to new DDUZ Hospital building at Shimla (SH: - Providing and fixing pedestal for water storage tanks at 5 <sup>th</sup> floor level) at DDU Hospital Shimla).	Rs.4,99,623/-	Rs.10000/-	One Month	6&8	350/-
10	A/R & M/O various residential building under Shimla Division No.III (SH:- Repair of set No.10 type-III (Ground floor) at Spring Field Chotta Shimla)	Rs.1,49,334/-	Rs.2990/-	One Month	6&8	350/-
11	A/R & M/O various residential buildings under Division No.III Shimla (SH:-Repair of store room No.2 at Barnes Court Shimla).	Rs.2,55,600/-	Rs.5120/-	One Month	6&8	350/-
12	A/R & M/O to various Non residential building under Shimla Division No.III (SH:- Providing and fixing 12mm thick commercial ply for partition, wall paneling, cupboard, office table, painting and distemping in Room No.B-III-2 at Nirman Bhawan Block-A Nigam Vihar Shimla-2).	Rs.1,78,927/-	Rs.3580/-	One Month	6&8	350/-
13	Special repair to DDU Hospital building at Shimla.(SH:-Repair of ward sister duty room) at DDU Hospital Shimla).	Rs.2,23,216/-	Rs.4500/-	One Month	6&8	350/-
14	Special repair to old DDU Hospital building at Shimla (SH:-Painting of roof of old building) at DDU hospital Shimla).	Rs.1,88,995/-	Rs.3800/-	One Month	6&8	350/-
15	Special repair to DDU Hospital Shimla (SH:-Repair of room No.23 & path outside of MOH office) at DDU hospital Shimla).	Rs.1,51,792/-	Rs.3050/-	One Month	6&8	350/-
16	S/R to ART Centre Building at IGMC Shimla.(SH:- Providing and fixing prepainted steel sheet, MSBP sheet etc. complete).	Rs.4,81,207/-	Rs.9630/-	One Month	6&8	350/-
17	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and laying C.C. & plastering work in parking wall near Mudkanda House at Barnes Court Shimla).	Rs.1,49,710/-	Rs.3000/-	One Month	6&8	350/-
18	Special repair to New building at DDUZ Hospital at Shimla (SH:- Providing and fixing aluminum partition, shutters for ECG Cabin in front Casualty) at DDU Hospital Shimla).	Rs.84,242/-	Rs.1700/-	One Month	6&8	350/-
19	A/R & M/O to various residential building under IGMC Shimla (SH:- Providing and laying chequered tiles a flooring in foot path from MC road to Block-A Type-IV Quarters (Dr. Residence) at Correstophen Estate IGMC Shimla).	Rs.1,16,066/-	Rs.2330/-	One Month	6&8	350/-



20	AR & MO to various residential building under Shimla Division No.III (SH:-Providing and fixing aluminium work in Banglow No.3 at Harvington Estate) (Balance work).	Rs.84,018/-	Rs.1690/-	One Month	6&8	350/-
21	AR & MO various residential buildings under Shimla Division No.III (SH:- Providing and fixing tiles, marble, painting & distempering including sanitary fittings in block No. 35B/3 etc.) at Nabha Estate Shimla).	Rs.1,61,859/-	Rs.3250/-	One Month	6&8	350/-
22	AR & MO various residential buildings under Shimla Division No.III (SH:-Repair of main sewerage line in block K, type-II etc.) at Nabha Estate Shimla).	Rs.1,36,124/-	Rs.2750/-	One Month	6&8	350/-
23	SR to various residential buildings under Shimla Division No.III (SH:- Repair of floor and wall tiles, cupboard PVC flooring painting and distempering etc. in Dispensary block 1 <sup>st</sup> floor at Chotta Shimla).	Rs.3,91,336/-	Rs.7830/-	One Month	6&8	350/-
24	AR & MO various residential buildings under division No.III Shimla (SH:-C.O.P.C.C. retaining wall, cement concrete in verandah in front of Block B Old MLA Qtrs at Boileauganj Shimla).	Rs.2,36,489/-	Rs.4730/-	One Month	6&8	350/-
25	AR & MO High Court Building Shimla (SH:-Providing and fixing P.V.C. flooring in old court room-2).	Rs.1,66,047/-	Rs.3320/-	One Month	6&8	350/-
26	SR to State Museum Building at Chaura Maidan Shimla (SH:- Providing and fixing pine wood ceiling lining, p.f HDF flooring polishing etc. in Hindu Devkashya Hall).	Rs.4,18,953/-	Rs.8380/-	One Month	6&8	350/-
27	AR & MO State Library near Church at Ridge (SH:-Providing and fixing curtains in Library building etc.).	Rs.1,57,150/-	Rs.3150/-	One Month	6&8	350/-
28	SR to Government Degree College Sanjauli Shimla (SH:- Balance work for C O stairs and dormer).	Rs.78,120/-	Rs.1560/-	One Month	6&8	350/-
29	AR & MO various residential buildings under division No.III Shimla (SH:-Painting and distempering & providing and fixing concertina coil etc. in set No.12 and set No.13 type-VI at Richmond Shimla).	Rs.1,61,600/-	Rs.3230/-	One Month	6&8	350/-
30	SR to various residential buildings under division No.III Shimla (SH:- Renovation of Room-1toilet, kitchen, dining room & Room-2 of set No.11 Block-B Type-V Qtrs at Richmond Shimla).	Rs.3,26,414/-	Rs.6530/-	One Month	6&8	350/-

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

**Terms & Conditions:-**

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

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 16<sup>th</sup> July,2021.
- 5 The Municipal Commissioner M.C. Shimla.
- 6 All the Assistant Engineers working under this Division.
- 7 The president contractor association Shimla.
- 8 Notice board

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

Dated:-

4-8-22

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

# SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

481980.00  
9650.00  
One Month

Name of work:-Special repair to new DDUZ hospital building at Shimla. (SH:-Covering of water storage tank stand) at DDU Hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	2528.62 Kg			Per Killogramme	
2	Providing and fixing M.S welded mesh 25mm X 25mm X 2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	224.40 Sqm			Per square meter	
3	Providing and fixing precast galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the 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 including carriage of materials within all leads and lifts.	43.20 Sqm			Per square meter	
4	Painting steel 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.	133.74 Sqm			Per square meter	
CONDITION:-					Total:-	

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

Executive Engineer  
Shimla Division NO.44.  
HR&WD, Shimla-170003



## SCHEDULE OF QUANTITY

(2)

Estimated Cost Rs. :- 377363.00  
Earnest Money Rs. :- 7550.00

Time:- One Month.

**Name of work: - Special repair to Residential building under Shimla Division No.III(SH:- Renovation Of Kitchen in Ground Floor , Construction of Cup Board for modular Kitchen and Providing and Fixing Floor & Wall Tiles in Park Seven Building at Nigam Vihar 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. (i) Nominal concrete 1:3:6 or richer mix (ii/c equivalent design mix)	0.66 Cum.			Per Cubic Metre	
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	0.21 Cum.			Per Cubic Metre	
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. (i) In cement mortar	1.07 Cum.			Per Cubic Metre	
4	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured): From brick work in cement mortar	254.00 Per 1000			Per Thousand	
5	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	43.38 Sqm.			Per Square Metre	
6	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and raiming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. (i) Ordinary rock	0.22 Cum.			Per Cubic Metre	
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.84 Cum.			Per Cubic Metre	
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : (i) cement mortar 1:4 (1 cement : 4 coarse sand)	5.31 Sqm.			Per Square Metre	
9	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with : (i) Udaipur green marble	4.90 Sqm.			Per Square Metre	
10	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. (i) Marble work	7.73 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. Including Carriage of Material with In All leads and lifts	10.92 Sqm.					Per Square Metre	
12	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	9.16 Sqm.					Per Square Metre	
13	Providing and fixing 19mm (Nineteen millimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	35.58 Sqm.					Per Square Metre	
14	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.	84.79 Sqm.					Per Square Metre	
15	Providing and Fixing Modular kitchen , Drawer Made of 19mm Thick Commercial Board 1mm Thick Lamination Sheet Both Side of Board , Handle , Sliding Arrangements Telescopic hand with Bottom MS. Wire Grating complete in all Respect Including Carriage of Material with in All leads and lifts.(i) Size of Drawer 600x450x250 mm	12.00 No.					Each	
16	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.	106.27 Rmt.					Per Running Metre	
17	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	30.00 No.					Each	
18	Providing and fixing bright finished brass handles with screws etc. complete.(i) 125mm	22.00 No.					Each	
19	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	120.02 Kg					Per Kilogramme	
20	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete (i) Size of Tile 600x600 mm.	12.54 Sqm.					Per Square Metre	
21	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mm	28.08 Sqm.					Per Square Metre	



22	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)	48.69	Sqm.				Per Square Metre	
23	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.	6.27	Sqm.				Per Square Metre	
24	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	15.14	Sqm.				Per Square Metre	
25	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : (i) New work (two or more coats) over and including water thinnable priming coat with cement primer	8.87	Sqm.				Per Square Metre	
26	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : (i) Old work (one or more coats)	8.87	Sqm.				Per Square Metre	
27	Providing and fixing 610mm x510 mm bowl depth 200mm 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	
28	Providing and fixing 15mm nominal bore C.P. brass Sink mixer Jacquar Make of approved quality conforming to IS:complete including carriage of materials within all leads and lifts.	1.00	No.				Each	
29	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	1.00	No.				Each	
30	Providing and fixing C.P. grating of approved quality and colour. Circular type (i) 100 mm nominal dia	1.00	No.				Each	
31	Providing and fixing uplasticised PVC connection pipe with brass unions : (i) 45 cm length (a) 15 mm nominal bore	2.00	No.				Each	
32	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15mm nominal Bore	3.00	No.				Each	
33	Providing and fixing ISI marked high pressure PVC spigot and socket, waste and ventilating pipes Type-B including fixing with approved adhesive etc. complete. (i) 110 mm	24.40	Rmt.				Per Running Metre	
34	Providing and fixing PVC Type-B plain band including fixing with approved adhesive etc. complete. (i) 110 mm	2.00	No.				Each	
35	Providing and fixing PVC Type-B collars including fixing with approved adhesive etc. complete. (i) 110 mm	6.00	No.				Each	
36	Providing and fixing PVC floor trap of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete. 110 mm X 90 mm.	1.00	No.				Each	

37 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 tallcarts, 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.

Conditions:-

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.

2.50	Cum.					Per Cubic Metre	
						Total	

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



**SCHEDULE OF QUANTITY**

(3)

Estimated Cost Rs. :- 499537.00

Earnest Money Rs. :- 10000.00

Time:- One Month.

**Name of work: - A/R & M/O to various Building under IGMC Shimla.(SH:- Aluminium work, Steel Work painting and distempering etc. at various floors of block E)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-incharge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) including carriage of materials within all leads and lifts.	100.00	Kg.			Per Kilogram me	
2	Providing and fixing aluminium work 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.	50.00	Kg.			Per Kilogram me	
3	Providing and fixing 4.00mm thick ACP sheet of approved shade interior grade for partition/ window shutter both side laminated with PVC gasket etc. complete including carriage of materials within all leads and lifts.	20.00	Sqm.			Per square metre	
4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer -in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) including carriage of materials within all leads and lifts.	20.00	Sqm.			Per square metre	
5	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	40.00	Nos			Each	
6	Providing and fixing aluminium hard drawn hooks and eyes including carriage of materials within all leads and lifts.(i) 150 mm	40.00	No			Each	
7	Providing and fixing oxidized M.S. sliding door bolts with nuts and screws etc. complete .including carriage of materials with in all leads and lifts. (i) 250x16mm	5.00	No			Each	



	Providing and fixing Aluminium hanging type floor door stopper with necessary screws, etc. complete including carriage of materials within all leads and lifts.	30.00	No.			Each	
	Providing and fixing Stainless steel angle 40mmX5mm for corners of wall including fixing with stainless steel star screw more than 50mm etc. complete including carriage of materials within all leads and lifts.	85.00	Kg.			Per Kg	
10	Steel work welded in built up sections, including cutting, hoisting, fixing in position and applying priming coat of red lead paint Including carriage of material within all leads and lifts. (i) In Gratings Framed Guard Bars Ladders and similar works.	215.00	Kg.			Per Kilogram me.	
11	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	10.00	Sqm			Per square metre	
12	Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.	37.80	Sqm.			Per Square Metre	
13	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with including carriage of materials within all leads and lifts (i) 4mm thick. Glass Panes	20.00	Sqm.			Per Square Metre	
14	Painting two coats (excluding priming coat 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 white and other than white	112.92	Sqm			Per square metre	
15	Applying one or more coat of paint based putty made of whiting and POP etc. mixed in required quantity of white enamel paint for application on wood based products after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	280.40	Sqm.			Per square metre	
16	Painting two coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering and stoping including carriage of materials within all leads and lifts in With white enamel paint.	280.40	Sqm.			Per square metre	
17	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.	280.40	Sqm.			Per square metre	
18	Painting with synthetic enamel paint on steel surface 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.	375.70	Sqm.			Per square metre	
19	Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.	7.20	Sqm.			Per square metre	



	Painting with synthetic enamel paint on wood surface 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.	317.94	Sqm.			Per square metre	
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.including carriage of materials within all leads and lifts.	482.56	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.	482.56	Sqm.			Per square metre	
23	Distempering with 1st quality acrylic distemper (ready made) having VOC content less than 50 gm per ltr. of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.(a) Finishing walls with water proofing cement paint of required shade : (i) Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	1206.40	Sqm.			Per square metre	
24	Painting with synthetic enamel paint of approved brand on wall surfaces manufacture of required colour to give an even shade One or more coats on old work complete including carriage of materials within all leads and lifts.	300.00	Sqm			Per Square Metre	
	<b>Conditions:-</b>					<b>Total</b>	

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

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

**SCHEDULE OF QUANTITY**

4

Estimated Cost Rs. :- 130794.00

Earnest Money Rs. :- 2620.00

Time:- One Month.

**Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Fixing Wire Gauge Shutters, Painting Apex , Repair of Damaged floor of set No.1 Sqash Coat Building Basement Floor of Type-1 Qtrs and PU. Polishing in Furniture of Governor House , Guest House at Raj Bhawan shimla)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	0.42 Cum			Per Cubic Metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	33.09 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)	0.42 Cum			Per Cubic Metre	
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	4.00 No.			Each	
5	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second Class Deodar wood	0.046 Cum			Per Cubic Metre	
6	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-incharge. (Note:- Butt hinges and necessary screws shall be paid separately) Second class deodar wood 35 mm thick shutters.	3.18 Sqm			Per Square Metre	
7	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters	1.66 Sqm.			Per Square Metre	
8	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size including carriage of materials within all leads and lifts.	6.00 Nos.			Each	
9	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	2.00 No			Each	



0	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	10.00	No			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	8.00	No			Each	
12	Providing and fixing Oxidised Single Acting door spring with necessary Screws (superior quality).(i) 150mm	1.00	No			Each	
13	Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	40.70	Sqm			Per Square Metre	
14	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	33.09	Sqm			Per Square Metre	
15	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	73.29	Sqm			Per Square Metre	
16	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	30.77	Sqm			Per Square Metre	
17	Finishing walls with Acrylic Smooth exterior paint of required shade(Apex ultima) Old work (One or more coat ) including carriage of materials and as per the direction of the Engineer-in-Charge.	80.40	Sqm			Per square meter	
18	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	10.96	Sqm.			Per Square Metre	
19	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture including carriage of materials and as per the direction of the Engineer-in-Charge.	10.96	Sqm.			Per Square Metre	
20	Finishing walls with cement paint ( Apexultima) of required shade : (i) New work (Two or more coats applied @ 3.84 kg/10 sqm) including carriage of materials and as per the direction of the Engineer-in-Charge.	33.09	Sqm			Per Square Metre	
21	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 owener of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	0.92	Cum			Per Cubic Metre	

22	Polishing One or more coats with PU. polish of required shade on wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.(i) One or more coats on old works	261.68	Sqm			Per Square Metre	
	<b>Conditions:-</b>					<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- iv Recovery of usefull bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.

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



**SCHEDULE OF QUANTITY**

Estimated cost:- 105677.00  
Earnest Money:- 2120.00  
Time :- One Month.

Name of work:- Special repair to various residential buildings under division no.III Shimla. (SH:- Covering of natural water resource and connecting the waste pipes to main water pipeline of M.C. Shimla.)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil.	0.27 Cum			Per cubic metre.	
2	Providing and laying cement concrete 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40 mm nominal size) nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts.: In Foundation and plinth	0.27 Cum.			Per cubic metre	
3	Half brick masonry in common burnt clay building bricks in super-structure above plinth level upto floor two level.Cement Mortar 1:4 (1 cement:4 sand) Second Class Bricks including carriage of materials within all leads and lifts.	2.16 Sqm.			Per square metre.	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size), in Foundation footing basis etc.	0.10 cum			Per Cubic metre	
5	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	12.00 kg			Per kilogramme	
6	20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) including mixing at junctions including carriage of materials in all leads and lifts.	4.32 Sqm.			Per square metre.	
7	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with. Cement mortar 1:6 (1 cement : 6 coarse sand)	0.81 cum			Per Cubic metre	

	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 25 mm dia nominal bore. External fittings.	70.00 Rmt				Per Running metre.	
9	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :25mm nominal bore.	8.00 No				Each	
10	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00 ltr				Per/Ltr	
11	Providing and fixing high pressure PVC (finolex) Type-A spigot and socket, waste and ventilating pipes ISI marked with collar and clamps including fixing with approved adhesive etc. complete. including carriage of materials within all leads and lifts :- (i) 110 mm nominal size	17.50 mtr				Per running metre.	
(ii)	75 mm nominal size.	17.50 Rmt				Per running metre.	
(iii)	150 mm nominal size.	30.00 Rmt				Per running metre.	
12	Providing and fixing PVC Finolex single equal branch (a) with oval access door. ISI marked insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia.	5.00 No.				Each	
(ii)	75mm	5.00 No.				Each	
13	Providing and fixing on wall faces PVC (finolex) type-A accessories for rain water pipes including filling the joints with approved adhesive complete PVC Plain bend 110mm dia including carriage of materials within all leads and lifts.	5.00 No.				Each	
(ii)	75mm	5.00 No.				Each	
14	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete.-(i) 110 mm nominal size	5.00 No.				Each	
(ii)	75mm	5.00 No.				Each	
15	Providing and Fixing PVC clamp ISI marked of approved design with steel screws and rawal plugs etc. complete including fixing with approved screws etc. 110mm.	15.00 No				Each	
(ii)	75mm	15.00 No.				Each	
16	Providing and fixing 15mm nominal bore brass ball valve (horizontal plunger type) High pressure with polythene plastic floats including carriage of materials within all leads and lifts	4.00 No.				Each	



sliding and fixing C.P. brass bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15mm nominal bore.

6.00 No.

Each

### CONDITION

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

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

Executive Engineer

Shimla Division NO.111.

HP.PWD.Shimla-171003

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 498227.00  
Earnest Money Rs. :- 9970.00

Time:- One Month.

Name of work: -Special repair to Himachal Hospital at Mental Health and rehabilitation Boileganj Shimla-5 (SH:- Construction of Boundary Wall in Left Side of Hospital Complex )

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Cutting in earth work in all heights / depths and in all kinds of soil such as kankar, moorum, shingle and decomposed or soft rock and hard rock including their intermediate classification and chiselling / wedging out rock where blasting is prohibited including saturated soil and filling in embankment etc., where necessary and disposal of all excavated un serviceable materials in all leads and lifts including through mechanical transportation, the disposal of un serviceable materials will be done in acquired width of the road or on approved dumping site.	40.86 Cum			Per Cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (i) All kinds of soil	41.20 cum.			Per Cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size)	6.60 Cum.			Per Cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 20 mm nominal size)	35.08 Cum			Per Cubic Metre	
5	Providing and laying weapholes in brick masonry /stone masonry /plain reinforced concrete abutment, wing wall return wall with 100mm (one hundred )millimetredia PVC pipe extending through the full with of the structures with slop of 1(v):20 (h-) towards drawing face complete as per drawings and technical specifications MORC clause 614,,709,1204.3.7 including hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.	40.00 No			Each	
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights : (i) Lintels, beams, plinth beams, girders, bressumers and cantilevers	7.92 Sqm.			Per Square Metre	
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights Columns, piers, abutments, pillars, posts and struts	7.92 Sqm.			Per Square Metre	
8	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : (i) 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size)	9.48 cum.			Per Cubic metre	



	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. (i) Thermo-Mechanically Treated bars of grade Fe-500D or more.	300.00 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 complete including carriage of materials within all leads and lifts.	350.20 Kg				Per Kilogramme	
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : (i) Cement mortar 1:4 (1 cement : 4 coarse sand)	14.67 Cum.				Per Cubic metre	
11	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)	127.60 Sqm.				Per Square Metre	
	<b>Conditions:-</b>					<b>Total</b>	

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

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

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

iv Recovery of useful bricks 57.00, recovered from site will be charged / deducted from contractor @ Rs. 5.00 Each.

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

# SCHEDULE OF QUANTITY

7

Estimated Cost Rs. :- 411756.00  
Earnest Money Rs. :- 8240.00

Time:- One Month.

**Name of work: -Special Repair to HP. Public Service Commission office at Nigam Vihar Shimla (SH:-Providing and Fixing 12mm thick Pine wood paneling, UPVC Window and Cup Board in Conference Hall of HP. Public Service commission building at Nigam Vihar Shimla )**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	36.23 Sqm			Per Square Metre	
2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : (i) Cement mortar 1:4 (1 cement : 4 coarse sand) including carriage of Materials with in all leads and lifts as per direction of Engineer-in- Charge.	2.00 Sqm			Per Square Metre	
3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. including carriage of materials within all leads and lifts. Rail Kail / Chil wood	0.015 cum.			Per Cubic Metre	
4	Providing and fixing plain lining with 9mm thick commercial ply 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	88.24 Sqm			Per Square Metre	
5	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).	91.50 Sqm			Per Square Metre	
6	Providing and fixing woodenbeading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete Hard wood 40x12 mm (base and height) including carriage of materials in all leads and lifts.	168.40 Rmt.			Per Running Metre	
7	Providing and fixing 4mm thick teak ply conforming to ISI in plain lining/panelling/under floors with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	1.80 Sqm.			Per Square Metre	
8	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.	4.00 Rmt.			Per Running Metre	
9	Providing and fixing bright finished brass handles with screws etc. complete:(i) 125mm	2.00 No,			Each	



10	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately) (i) Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm).	7.92 Sqm.			Per Square Metre	
11	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)	8.56 Sqm.			Per Square Metre	
12	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	10.36 Sqm			Per Square Metre	
13	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	10.36 Sqm			Per Square Metre	
14	Polishing with Malamine polish including carriage of materials within all leads and lifts. (i) Two or more coats on new works including a coat of wood filler	102.45 Sqm			Per Square	
	<b>Conditions:-</b>				<b>Total</b>	

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

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

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

iv

**Executive Engineer**  
Shimla Division No. III  
HP. PWD. Shimla-2

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 341247.00  
Earnest Money Rs. :- 6830.00

Time:- One Month.

Name of work: - Special Repair to Nursing Hostel at IGM.C. Shimla(SH:- Providing and Laying Vettrified Tile, Cup Board, Door, Painting and Distemping in Set No. 6 Block-C)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolition above G.L. upto all floor level including disposal of unserviceable materials within all leads and lifts including carriage of materials and including cutting the necessary reinforcement and separating out from R.C.C. works.	0.27 Cum.			Per Cubic metre	
2	Demolition above G.L. up to floor all level including disposal of unserviceable materials unreinforced cement concrete more than 15cm thickness including carriage of materials within all leads and lifts.	3.45 Cum.			Per Cubic metre	
3	Centering and shuttering including strutting, propping etc. and removal of form for all heights :(i)Suspended floors, roofs, landings, balconies and access platform	2.70 Sqm.			Per Square Metre	
3.1	(ii) Edges of slabs and breaks in floors and walls (a) Under 20CM. Wide	4.90 Rmt			Per Running Metre	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2.69 Cum.			Per Cubic metre	
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	0.26 Cum.			Per Cubic metre	
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.(i) Mild steel and Medium Tensile steel bars	26.00 KG.			Per Kilogram me	
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level:- Cement mortar 1:4 (1 cement :4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	2.04 Sqm			Per Square metre	
8	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separat(i) Second class Deodar wood (a) 40mm thick shutters	6.25 Sqm			Per Square metre	



	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm.	3.00	No.			Each	
	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	6.00	No			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete (i) 100	6.00	No			Each	
12	Providing and fixing 19mm (Nineteen millimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	33.08	Sqm			Per Square Metre	
13	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	14.29	Sqm			Per Square Metre	
14	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (i) 100mm	17.00	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)	17.00	No.			Each	
16	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	14.29	Sqm			Per Square Metre	
17	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.	47.45	Rmt			Per Running Metre	
18	Providing and fixing 6mm 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 in all leads and lifts.	14.32	Sqm			Per Square Metre	
19	Providing and Fixing Power Coated MS. Curtain Rod 20mm Thick including carriage of materials within all leads and lifts	12.90	Rmt.			Per Running Metre	
20	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded 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 (a) Granite Stone. (i) Area of slab upto 0.50 sqm	2.57	Sqm			Per Square Metre	
21	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. (i) Granite Stone	4.90	Rmt.			Per Running Metre	



	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) 600X600MM	63.75 Sqm				Per Square Metre	
23	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.	8.88 Sqm				Per Square Metre	
24	Providing and laying ceramic tiles of approved size, shade, design and quality in flooring, treads of steps laid on a bed of 12mm thick cement mortar 1 : 4 ( 1 cement : 4 sand) finished with flush pointing in white cement including carriage of materials within all leads and lifts.(i) size of Tiles 300x300mm	5.20 Sqm				Per Square metre	
25	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i)With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	111.32 Sqm.				Per Square Metre	
26	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.	111.32 Sqm				Per Square Metre	
27	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	7.10 Sqm				Per Square Metre	
28	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Wood Based Surfaces :(i) One or more coats on old work	7.10 Sqm				Per Square Metre	
29	15 mm cement plaster on the Fair 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)	4.08 Sqm				Per Square Metre	
30	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.	82.76 Sqm.				Per Square Metre	
31	Distemping with 1st quality acrylic distemper (ready made) having VOC content less than 50 gm per ltr. of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.(a) Finishing walls with water proofing cement paint of required shade :(i) Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 ltrs/10 sqm complete including cost of Priming coat.	183.91 Sqm.				Per square metre	



	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) 15mm Nominal Bore	10.30	Rmt			Per Running Metre	
3	Providing and fixing white vitreous china water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : (i) Anglo Indian Universal Closet	1.00	No.			Each	
34	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. (i) 10 litre capacity - White	1.00	No.			Each	
35	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :-Solid Type :- White solid plastic seat with lid.	1.00	No.			Each	
36	Providing and fixing wash basin with single hole 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 require:(i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	1.00	No.			Each	
37	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	3.00	No.			Each	
38	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts	1.00	No.			Each	
39	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials within all leads and lifts.	1.00	No			Each	
40	Providing and fixing CP 600 mm long towel rail with total length of 645 mm, width 78 mm .including carriage of materials within all leads and lifts	1.00	Nos.			Each	
41	Providing and fixing CP brass soap Dish complete.including carriage of materials within all leads and lifts	3.00	Nos.			Each	
42	Providing and fixing 15mm dia C.P. brass bib tap with capstan head including C.P. flange and carriage of materials within all leads and lifts.	3.00	No.			Each	
43	Providing and fixing CP brass pillar tap with capstan head including carriage of materials within all leads and lifts :-15mm dia :-	1.00	No.			Each	
44	Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts.	7.00	No.			Each	
45	Providing and fixing uplasticised PVC connection pipe with brass unions :(a)45 cm length (i) 15 mm nominal bore	7.00	No.			Each	

	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	3.00	No.			Each	
	Providing and fixing Floor Trap ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75x90mm	3.00	No.			Each	
48	Providing and fixing ISI marked high pressure PVC spigot and socket, waste and ventilating pipes including fixing with approved adhesive etc. complete. (i) 90 mm	1.50	Rmt.			Per Running Metre	
49	Providing and fixing PVC single equal branch (a) with oval access door, ISI marked insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.(i)90mm Dia	6.00	Nos.			Each	
50	Providing and fixing PVC plain bend including fixing with approved adhesive etc. complete.(i) 90 mm	1.00	No.			Each	
51	Providing and fixing PVC Collar including fixing with approved adhesive etc. complete.(i)90 mm	1.00	No.			Each	
52	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 :(i) 600x510 mm bowl depth 200 mm	1.00	No.			Each	
53	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	2.00	No.			Each	
	<b>Conditions:-</b>					<b>Total</b>	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- iv Recovery of usefull bricks 57.00. recovered from site will be charged / deducted from contractor @ Rs. 5.00 Each.

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



SCHEDULE OF QUANTITY

9

Estimated cost:-

499623.00

Earnest Money:-

10000.00

Time :-

One Month

Name of work:-Special repair to new DDUZ hospital building at Shimla. (SH:-Providing & fixing Pedestal for water storage tanks at 5th floor level) at DDU Hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	1718.82 Kg			Per Kilogramme	
2	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	2526.72 Kg.			Per Kilogramme	
4	Painting steel 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.	118.50 Sqm			Per square meter	
CONDITION:-					Total:-	

- Rates should be quoted for all heights including all leads and lifts for internal and external works.
- Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.
- 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.RWD.Shimla-171003

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 149334.00

Earnest Money Rs. :- 2990.00

Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Repair of set No.10 type-III(Ground Floor) at Spring Field Chotta Shimla.)


Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing wood work in frames of false ceiling and partitions etc. sawn and put up in position including carriage of materials in all leads and lifts:- Second class rail/ chil wood.	0.059 Cum			Per Cubic metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	13.32 Sqm.			Per square metre.	
3	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 deodar wood.	3.80 Sqm			Per square metre.	
4	Providing and fixing 6mm thick commercial ply wood ceiling/ lining/ flooring etc. 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.	7.74 Sqm			Per square metre.	
5	Providing and fixing 19mm thick Commercial Board shutters for Cup boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts.	5.76 Sqm			Per square metre.	
6	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.	12.69 Sqm			Per square metre.	
7	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	27.62 Sqm			Per square metre.	
8	Providing and fixing plain square edged cover fillets (beading) 19mm x 6mm section with wood screws in ceiling and lining including mitring at junctions in hard wood including carriage of materials within all leads and lifts.	60.89 Rmt.			Per running metre.	
9	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete \ including carriage of materials within all leads and lifts:- (i)Fixed to openings /wooden frames with rawl plugs screws etc.	10.08 Kgs			Per cubic metre.	
10	Providing and fixing bright finished hydraulic door closer of superior class (confirming to bureau of Indian Standards) with screws etc. complete including carriage of materials in all leads and lifts.	2.00 No.			Each	
11	Providing and fixing 250mm x16mm size anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
12	Providing and fixing 150mm x10mm size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
13	Providing and fixing 125mm size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
14	Providing and fixing bright finished brass furniture handles with screws etc. complete including carriage of materials in all leads and lifts.	16.00 No.			Each	
15	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters etc. including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts	11.00 No.			Each	
16	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge including carriage of materials in all leads and lifts.	4.00 No.			Each	



17	Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of approved. make, plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	13.42 Sqm			Per square metre	
18	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dado of approved shade and size 12mm thick cement mortar 1:3 (1 cement :3 sand) and jointed with cement slurry in all heights including carriage of materials in all leads and lifts and as per direction of Engineer-in-charge.	13.32 Sqm			Per square metre.	
19	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	13.32 Sqm.			Per square metre	
20	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	97.36 Sqm			Per square metre	
21	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.	110.42 Sqm			Per square metre	
22	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.	20.66 Sqm			Per square metre.	
23	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.	20.66 Sqm			Per square metre	
24	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.	170.53 Sqm			Per square metre	
25	Finishing walls with Acrylic Smooth exterior emulsion of required shade Old work (One or more coat a including carriage of materials within all leads and lifts.	194.72 Sqm			Per square metre	
26	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink without drain board of size 610mm x 510mm bowl depth 200mm.	1.00 No.			Each	
27	Providing and fixing 10.00 liter capacity PVC low level flushing cistern of approved make and size with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and overflow pipe, 40mm dia C. P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow) pipe to be measured and paid for separately including carriage of materials within all leads and lifts.	1.00 No.			Each	
28	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00 No.			Each	
29	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810gms complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
30	Providing and fixing C.P. brass angle cock 15mm nominal bore of approved quality conforming to IS standards complete including carriage of materials within all leads and lifts.	3.00 No.			Each	
<b>Conditions:-</b>						
					<b>Total</b>	

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

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

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



# SCHEDULE OF QUANTITY

(11)

Estimated Cost Rs. :- 255600.00

Earnest Money Rs. :- 5120.00

Time:- One Month.

Name of work: - A/R & M/O varoius residential buildings under Division No III Shimla. (SH:- Repair of store room No-2 at Barnes Court Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figuers	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.50 m, as directed by Engineer-in-charge.All kinds of soil.	4.86	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	5.18	Cum			Per cubic metre	
3	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position 2nd class deodar wood including carriage of materials within all leads and lifts.	0.147	Cum			Per cubic metre.	
4	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.214	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 etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	3.39	Sqm			Per square metre.	
6	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.44	Sqm			Per square metre.	
7	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering of binding materials moorum or earth etc. complete as per HP.PWD specification 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	1.95	Cum			Per cubic metre	
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge - All work up to plinth level:- 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40mm nominal size)	1.30	Cum			Per cubic metre	
9	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor all level;- Cement mortar 1:4 (1 cement :4 coarse sand)	35.78	Sqm			Per square metre	



	Providing and fixing hard wood plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	44.95	Rmtr			Per running metre	
11	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	12.70	Sqm			Per square metre	
13	Providing corrugated 0.63 mm G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:- (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	13.32	Sqm			Per square metre	
14	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 inclnding carriage of materials within all leads and lifts.	6.83	Sqm			Per square metre	
15	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.	8.18	Sqm			Per square metre	
16	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.	20.74	Sqm			Per square metre	
17	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	6.83	Sqm.			Per square metre	
18	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.	29.30	Rmt.			Per running metre.	
19	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 : complete including carriage of materials within all leads and lifts. 250x16 mm	1.00	No			Each	
20	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :200x10 mm	6.00	No			Each	
21	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125mm	24.00	No.			Each	
22	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).	17.00	No			Each	



	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 material within all leads and lifts as per direction of Engineer-in-charge.	5.90	Sqm.			Per square metre.	
24	Providing and laying floor tiles of approved size, shade, design and quality in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts.	2.74	Sqm.			Per square metre.	
25	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.	49.08	Sqm.			Per square metre.	
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	49.08	Sqm.			Per square metre.	
27	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. including Priming coat with distemper primer. including carriage of materials within all leads and lifts.	49.08	Sqm.			Per square metre.	
28	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.	84.90	Sqm			Per square metre.	
29	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.	84.90	Sqm			Per square metre	
30	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	
31	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required :610x460 mm bowl depth 200mm.	1.00	No.			Each	
32	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	



3	Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-(i) 110mm dia including carriage of materials within all leads and lifts.	6.00	Rmt			Per Running metre.	
	75mm	3.00	Rmt			Per Running metre.	
34	Supplying/ providing of 110mm dia PVC plain bend of approved brand at store section including carriage of materials within all leads and lifts.	1.00	No.			Each	
	75mm	1.00	No.			Each	
35	Providing and fixing PVC (Finolex) floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-(i)110mm X 75mm size.	2.00	No			Each	
36	Providing and fixing C.P. gratings including carriage of materials within all leads and lifts :- 100 mm dia	2.00	No			Each	
37	Providing and fixing 15mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms complete including carriage of materials within all leads and lifts.	2.00	No			Each	
38	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 complete including carriage of materials within all leads and lifts.	3.00	No.			Each	
39	Providing and fixing 15mm dia nominal bore G.I. pipes complete with G.I. fittings including trenching and refilling etc. including carriage of materials within all leads and lifts:- internal	24.80	Rmt.			Per running metre	
40	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 including carriage of materials within all leads and lift 40 mm thick with 20 mm nominal size stone aggregate.	12.15	Sqm			Per square metre.	
	<b>Conditions:-</b>						
						<b>Total</b>	

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

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

**SCHEDULE OF QUANTITY**

(12)

Estimated Cost Rs. :- 178927.00

Earnest Money Rs. :- 3580.00

Time:- One Month.

**Name of work: - A/R & M/O to Various Non residential building under Shimla Division No. III (SH:- Providing and Fixing 12mm thick commercial ply for partition , wall paneling , Cup Board , office table , Painting and Distemping in Room No.B-III-2 at Nirman Bhawan Block-A Nigam Vihar Shimla-2)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :(i) Rai wood/Kail wood/Chil Wood	0.279	Cum.			Per Cubic Metre	
2	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately). including carriage of materials within all leads and lifts.(i) 12mm thick commercial ply conforming to IS :	45.65	Sqm.			Per Square Metre	
3	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	3.65	Sqm.			Per Square Metre	
4	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	29.29	Sqm.			Per Square Metre	
5	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	6.18	Sqm.			Per Square Metre	
6	Providing and fixing 4mm thick teak ply conforming to ISI in plain lining/panelling/under floors with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	20.41	Sqm.			Per Square Metre	
7	Providing and fixing hard wood plain square edged cover fillets (beading) 23mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	41.44	Rmt.			Per Running Metre	
8	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	144.45	Rmt.			Per Running Metre	
9	Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.	6.00	No			Each	
10	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 125 mm	12.00	No			Each	
11	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.	1.00	No			Each	



2	Providing and Fixing ESS Make Door stoppe including carriage of materials within all leads and lifts.	2.00	No			Each	
13	Providing and fixingc drawer channels 600 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.including carriage of materials in all leads and lifts.	3.00	Pair			Per Pair	
14	Providing and fixing oxidized M.S. hasps and stapple for cup board with necessary screws etc 125 mm size	12.00	No			Each	
15	Providing and fixing drawer lock of superior quality ( Godrej Make) fitting complete including carriage of materials in all leads and lifts.	2.00	No			Each	
16	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.including carriage of materials within all leads and lifts.	47.59	Sqm			Per Square Metre	
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	116.43	Sqm			Per Square Metre	
18	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	79.31	Sqm.			Per Square Metre	
19	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	68.86	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	68.86	Sqm.			Per Square Metre	
21	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	14.63	Sqm			Per Square Metre	
22	Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.	22.45	Sqm.			Per square metre	
	<b>Conditions:-</b>					<b>Total</b>	

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

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

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

iv

v

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



**SCHEDULE OF QUANTITY**

13

Line of work:-Special repair to DDU Hospital building at Shimla. (SH:-Repair of ward sister duty room) at DDU hospital Shimla.

Estimated cost:-  
Earnest Money:-  
Time :-

223216.00  
4500.00  
One Month

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.61 Cum			Per Cubic meter	
2	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	3.59 Sqm			Per square meter	
3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	17.28 Sqm			Per square meter	
4	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, Single socketed pipes.-110 mm diameter including carriage of materials within all leads and lifts.	18.00 Rmt			Per running meter	
5	Providing and fixing 1st quality ceramic glazed 300x450mm 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.	10.07 Sqm			Per square meter	
6	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm including carriage of materials within all leads and lifts.	11.90 Sqm			Per square meter	
7	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level as per the direction of Engineer-in-Charge 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials in all leads and lifts.	1.13 Cum			Per cubic meter	
8	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	23.03 Sqm			Per square meter	
9	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.	13.66 Sqm			Per square meter	
10	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts.	53.61 Sqm			Per square meter	
11	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge 20 mm nominal outer dia Pipes including carriage of materials in all leads and lifts.	30.00 Rmt			Per running metre	
12	Providing and fixing 20mm nominal bore brass ball valve (horizontal plunger type) High pressure with polythene plastic float with fixing etc. complete including carriage of materials within all leads and lifts.	1 00 No.			Each	



	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts. 20 mm dia nominal bore	1.00 No.		Each	
4	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 15 mm nominal bore including carriage of materials within all leads and lifts.	2.00 No.		Each	
15	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 single 15 mm C.P. brass pillar tap including carriage of materials in all leads and lifts.	1.00 No.		Each	
16	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	1.00 No.		Each	
17	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	
18	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	
19	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	2.00 No.		Each	
20	Providing and fixing 110mm dia pipes on wall face PVC Finolex type "A" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts.	20.00 Rmt		Per running meter	
21	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	4.00 No		Each	
22	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	3.00 No.		Each	
23	Providing & fixing PVC Finolex Coller 110mm size of specified quality including carriage of materials in all leads and lifts.	2.00 No.		Each	
24	Providing and fixing plain tee including carriage of materials within all leads and lifts. 110mm nominal size.	1.00 No.		Each	
25	Providing and fixing 75mm dia pipes on wall face PVC Finolex type "A" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts.	20.00 Rmt		Per running meter	
26	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 75mm nominal size.	4.00 No		Each	
27	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 75mm nominal size.	3.00 No.		Each	
28	Providing & fixing PVC Finolex Coller 75 mm size of specified quality including carriage of materials in all leads and lifts.	2.00 No.		Each	
29	Providing and fixing plain tee including carriage of materials within all leads and lifts. 75mm nominal size.	1.00 No.		Each	
30	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	3.00 No.		Each	
31	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	3.00 No		Each	
32	Providing and fixing P.V.C. waste pipe for sink or wash basin including fittings complete.-32 mm dia including carriage of materials within all leads and lifts.	2.00 No		Each	

	Providing and fixing toilet paper holder C.P. brass including carriage of materials within all leads and lifts.	1.00 No.		Each	
34	Providing and fixing bright finished brass hard drawn hooks and eyes 100mm including carriage of materials in all leads and lifts.	2.00 No.		Each	
35	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including carriage of materials within all leads and lifts.	1.00 No.		Each	
36	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms. including carriage of materials within all leads and lifts.	1.00 No.		Each	
<b>CONDITION:-</b>				<b>Total:-</b>	

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

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



SCHEDULE OF QUANTITY

Estimated cost:-

188995.00

Earnest Money:-

3800.00

Time :-

One Month

Name of work:-Special repair to old DDU hospital building at Shimla. (SH:-Painting of roof of old building) at DDU hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Painting on G.S. sheet with Apex ultima paint of approved brand and manufacture of required colour to give an even shade old work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	2036.41 Sqm			Per square meter	
2	Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedistal of CGI Sheet etc. in all respect (Face area of scaffolding up to top pedestal height shall be measured and paid for) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	403.88 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. II.  
HP.PWD. Shimla-171003

# SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

151792.00  
3050.00  
One Month

Line of work:-Special repair to DDU hospital Shimla. (SH:-Repair of room No. 23 & path outside of MOH office) at DDU hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing high pressure type-"A" PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm dia.	30.00 Rmt			Per running meter	
2	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	3.00 No			Each	
3	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	4.00 No			Each	
4	Providing and fixing 110mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	3.00 No			Each	
5	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 tiles 600x600mm thick including carriage of materials within all leads and lifts.	29.16 Sqm			Per square meter	
6	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.	22.55 Sqm			Per square meter	
7	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm including carriage of materials within all leads and lifts.	49.16 Sqm			Per square meter	
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 fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron) including carriage of materials within all leads and lifts.	11.70 Kg.			Per Kiligramme	
9	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5.5 mm thick glass panes including carriage of materials in all leads and lift as per direction of Engineer in Charge.	3.20 Sqm			Per square meter	
10	Providing and fixing ACP sheet 4mm thick panel in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In-charge (cost of aluminium snap beading shall be paid in basic item.) partitions with 12mm thick Particle board bwp phenol bonded exterior/ interior grade both sidesincluding carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	3.20 Sqm.			Per square meter	
11	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	9.90 Sqm.			Per square metre.	
12	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	5.40 Sqm.			Per square metre.	



	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	13.50 Sqm.			Per square metre.
	Providing and fixing 65x35mm special quality bright finished brass cup board locks or wardrobe locks with six levers including necessary screws etc. complete (Indian make of approved quality) including carriage of materials within all leads and lifts.	10.00 No.			Each
15	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.	10.00 No.			Each
16	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement including carriage of materials within all leads and lifts.	6.00 Sqm.			Per square metre.
<b>CONDITION:-</b>					<b>Total:-</b>

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

Executive Engineer  
Shimla Division NO. 17  
HP.PWD.Shimla-171003

**SCHEDULE OF QUANTITY**

16

Estimated Cost Rs. :- 481207.00

Earnest Money Rs. :- 9630.00

Time:- One Month.

**Name of work: - S/R to ART Center Building at IGMCI Shimla.(SH:- P/F prepainted steel sheet, MS BP Sheet etc. complete.)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1.00	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5mm x 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 complete within carriage of material in all leads and lifts.	239.00	Sqm.			Per Square Metre	
2.00	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete Ridges plain (500 - 600mm) complete within carriage of material in all leads and lifts.	25.50	Rmt.			Per Running Metre	
3.00	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete(i) Flashings/ Aprons.( Upto 600 mm).	12.00	Rmt.			Per Running Metre	
4.00	Providing and fixing M.S. BP sheet up 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	87.55	Sqm			Per square metre	
5.00	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 white or other than white	87.55	Sqm			Per square metre	



6.00	Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	150.00	Sqm				Per square metre	
	<b>Conditions:-</b>						<b>Total</b>	

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

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**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-2.**

## SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 149710.00

Earnest Money Rs. :- 3000.00

Time:- One Month.

**Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- Providing and Laying CC. & Plastring work in Parking wall near Mudkanda House at Barnes Court Shimla)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	2.93	Cum			Per Cubic Metre	
2	20 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	261.67	Sqm			Per square meter	
3	Dubbing out an old irregular walls average 12mm thick with Cement mortar 1:4 (1 Cement : 4 Sand) complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	117.25	sqm.			Per square meter	
4	Centering and shuttering including strutting, propping etc. and removal of form work for :(i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	19.50	Sqm			Per square meter	
5	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work ( Two or more coat on existing cement paint surface	261.67	Sqm.			Per square meter	
<b>Conditions:-</b>						<b>Total</b>	

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

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



**SCHEDULE OF QUANTITY**

(18)

Estimated cost:- 84242.00  
Earnest Money:- 1700.00  
Time :- One Month

Name of work:- Special repair to New building at DDUZ hospital at Shimla. (SH:-Providing & fixing aluminum partition, shutters for ECG Cabin in front Causality) at DDU hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron) including carriage of materials within all leads and lifts.	52.84 Kg.			Per Kilogram	
ii)	Powder coated aluminium (minimum thickness of powder coating 50 micron) 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) including carriage of materials within all leads and lifts.	71.87 Kg.			Per Kilogram	
2	Providing and fixing aluminium sheet ceiling/lining sheet 3mm thick in aluminium sheet in pannel/partitions with PVC neoprens gasket fixed with self drilling screws & aluminium beading 40x2 mm etc. complete as per Architect drawings and by the Engineer-in-Charge including carriage of materials within all leads and lifts.	4.46 Sqm			Per square meter.	
3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge (Cost of aluminium snap beading shall be paid in basic item) With float glass panes of 5 mm thickness (weight not less than 12.5 kg/ sqm) including carriage of materials within all leads and lifts.	4.25 Sqm			Per square meter	
4	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	10.00 No.			Each	
5	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :- 200x10 mm including carriage of materials within all leads and lifts.	10.00 No.			Each	
6	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
<b>CONDITION:-</b>					<b>Total:-</b>	

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

ii) 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

(19)

Estimated Cost Rs. :- 116066.00

Earnest Money Rs. :- 2330.00

Time:- One Month.

**Name of work: - A/R & M/O to Various residential Building under IGMC shimla ( SH:- Providing and Laying Chequered tiles a flooring in foot path from MC. Road to Block-A Type-IV Quarters ( Dr. Residence) at Correstophen Estate IGMC. Shimla)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	3.93 Cum			Per Cubic Metre	
2	Centering and shuttering including strutting, propping etc. and removal of form for : (i) Foundations, footings, bases of columns, etc. for mass concrete	9.64 Sqm			Per Square Metre	
3	Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Medium/ Dark shade pigment using ordinary cement complete within carriage of material in all leads and lifts.	46.32 Sqm			Per Square Metre	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:- In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	315.06 Kg.			Per Kilogram me	
5	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	15.94 Sqm			Per Square Metre	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture	4.45 Sqm.			Per Square Metre	
	<b>Conditions:-</b>				<b>Total</b>	

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

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

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

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



## SCHEDULE OF QUANTITY

20

Estimated Cost Rs. :- 84018.00

Earnest Money Rs. :- 1690.00

Time:- One Month.

**Name of work: - A/R & M/O to Various residential Building under Shimla Division No.III ( SH:- Providing and Fixing aluminium work in Banglow No.3 at Harvington Estate ) (Balance work)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : (i) For Fixed Portion (a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	126.20 Kg.			Per Kilogramme	
2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	13.83 Kg.			Per Kilogramme	
	<b>Conditions:-</b>				<b>Total</b>	

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

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



**SCHEDULE OF QUANTITY**

(2)

Estimated cost:-

161859.00

Earnest Money:-

3250.00

Time :-

One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing tiles, marble, painting distempering including sanitary fittings in block No. 35B/3 etc) at Nabha Estate Shimla.

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 (i/c equivalent design mix) including carriage of materials in all leads and lifts.	2.11 Cum			Per Cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	2.11 Cum			Per Cubic meter	
3	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete size of tiles 600x600mm including carriage of materials within all leads and lifts.	15.07 Sqm			Per square meter	
4	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.	32.31 Sqm			Per square meter	
5	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm including carriage of materials with in all leads & lifts.	3.51 Sqm			Per square meter	
6	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.	33.93 Sqm			Per square meter	
7	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.	109.09 Sqm			Per square meter	
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	88.95 Sqm.			Per square meter	
9	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.15 mm dia nominal bore Internal work including carriage of materials in all leads and lifts.	11.88 Rmt			Per running metre	
10	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1(1 cement : 1 sand) (Seat and over to be measured and paid for separately):-Anglo Indian Universal closet including carriage of materials within all leads and lifts.	1.00 No.			Each	
11	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete White solid plastic seat with lid including carriage of materials within all leads and lifts.	1.00 No.			Each	
12	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 single 15 mm C.P. brass pillar tapincluding carriage of materials in all leads and lifts.	1.00 No.			Each	
13	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	
14	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials within all leads and lifts :- 32 mm dia.	2.00 No.			Each	
15	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials in all leads and lifts.	2.00 No.			Each	



	Providing and fixing C.P. Brass soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. including carriage of materials within all leads and lifts.	1.00 No.		Each	
17	Providing and fixing 15mm dia CP brass bib tap (Superior or heavy type) including carriage of materials within all leads and lifts:-	6.00 No.		Each	
18	Providing and fixing CP brass pillar tap with capstan head including carriage of materials within all leads and lifts :- 15mm dia.	1.00 No.		Each	
19	Providing and fixing C.P. brass Angle cock with CP flange of approved quality conforming to IS:8931 :-15 mm nominal bore including carriage of materials within all leads and lifts.	6.00 No.		Each	
20	Providing and fixing uplasticised PVC connection pipe with brass unions 30 cm length 15 mm nominal bore including carriage of materials within all leads and lifts.	3.00 No.		Each	
21	Providing and fixing brass full way valve with wheel including carriage of materials within all leads and lifts. 15mm nominal bore	1.00 No.		Each	
22	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.		Each	
23	Providing and placing on terrace (at all floor levels) polyethylene three layer sintex make water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. including carriage of materials within all leads and lifts.	1000.00 Ltrs.		Per Litre	
24	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	3.00 No.		Each	
25	Providing and fixing high pressure PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm dia.	6.00 Rmt		Per running meter	
26	Providing and fixing PVC single equal branch plain 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	
27	Providing & fixing PVC Finolex Coller 110mm size of specified quality including carriage of materials in all leads and lifts.	2.00 No.		Each	
28	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No.		Each	
29	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.	1.00 No.		Each	
30	Providing and fixing 10.00 liter capacity PVC low level flushing cistern Hind ware sleek ultra of size 42 X 39 X 14cm or equivalent with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and overflow pipe, 40mm dia C. P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow) pipe to be measured and paid for separately including carriage of materials within all leads and lifts.	1.00 No.		Each	
31	Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.	1.00 No.		Each	
32	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	3.00 No.		Each	
<b>CONDITION:-</b>				<b>Total:-</b>	

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

ii) 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:-  
Earnest Money:-  
Time :-

136124.00  
2750.00  
One Month


Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Repair of main sewerage line in block K, type-II etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within all leads All kinds of soil including carriage of materials within all leads and lifts.	17.42 Cum			Per Cubic meter	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) including carriage of materials within all leads and lifts.	6.59 Cum			Per cubic meter	
3	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering and of binding materials moorum or earth etc. complete as per HP.PWD specification.	3.12 Cum			Per Cubic metre	
4	Providing and fixing high pressure PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 75 mm dia.	6.00 Rmt			Per running meter	
ii)	150 mm dia.	50.80 Rmt.			Per running metre.	
iii)	110 mm dia.	17.50 Rmt.			Per running metre.	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size including carriage of materials in all leads and lifts.	3.02 Cum			Per Cubic meter	
6	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 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 90x80 cm and 45 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 including carriage of materials within all leads and lifts.	4.00 No.			Each	
7	Providing & square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including carriage of materials within all leads and lifts.	2.00 No.			Each	
8	Providing and fixing on wall faces PVC Finolex accessories for rain water pipes including filling the joints with approved adhesive complete including carriage of materials within all leads and lifts:-150mm nominal size PVC Finolex plain bend.	7.00 No.			Each	
ii)	110mm nominal size.	4.00 No.			Each	
iii)	75mm nominal size.	4.00 No.			Each	



Providing and fixing 150mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
ii) 110mm nominal size.	4.00 No.			Each	
CONDITION:-				Total:-	

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

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

**SCHEDULE OF QUANTITY**

23

Estimated Cost Rs. :- 391336.00

Earnest Money Rs. :- 7830.00

Time:- One Month.

Name of work: - S/R. 76 various residential buildings under Shimla Division No.III . (SH:- Repair of floor and wall tiles, cupboard pvc flooring painting and distempering etc. in Dispensary block 1st floor at Chotta Shimla.).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within all 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 upto all leads and lifts and as directed by the Engineer in Charge.	1.26 Cum			Per cubic metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	8.00 No.			Each	
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	7.74 Sqm			Per square metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) including carriage of materials in all leads and lifts and as directed by the Engineer in Charge.	0.63 Cum			Per cubic metre.	
5	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level;- Cement mortar 1:4 (1 cement :4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	0.96 Sqm			Per square metre.	
6	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- (i) second class deodar wood.	0.204 Cum.			Per cubic metre.	
7	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts:-2nd class deodar wood.	7.42 Sqm			Per square metre.	
8	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.44 Sqm			Per square metre.	
9	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling / flooring / cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.	9.73 Sqm.			Sqm	
10	Providing and fixing plain square edged cover fillets (beading) 40mm x 12mm section with wood screws in ceiling and lining including mitring at junctions in first class deodar wood including carriage of materials within all leads and lifts.	37.62 Rmt.			Per running metre.	
11	Providing and fixing 150mm x10mm size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	40.00 No.			Each	
12	Providing and fixing 125mm size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete including carriage of materials within all leads and lifts.	20.00 No.			Each	
13	Providing and fixing bright finished brass hard drawn hooks and eyes 100mm size with necessary screws etc. complete including carriage of materials within all leads and lifts.	20.00 No.			Each	
14	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials in all leads and lifts	11.57 Sqm			Per Square metre	



15	Providing and fixing 19mm thick Commercial Board shutters for Cup boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts.	10.10 Sqm			Sqm
16	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.	33.34 Sqm			Sqm
17	Providing and fixing hard wood plain square edged cover fillets (beading) 19mm x 6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials within all leads and lifts.	94.80 Rmt.			Per running metre.
18	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	19.76 Sqm			Per square metre.
19	Providing and fixing 4mm thick teak ply lining with necessary screws complete including carriage of materials within all leads and lifts as per direction of the Engineer-in-Charge.	10.04 Sqm			Per square metre.
20	Providing and fixing 1.50mm thick PVC / rubber tiles flooring of approved make, colour and design plain, coloured, carbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of material within all leads and lifts.	38.75 Sqm			Per square metre.
21	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters etc. including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts	23.00 No.			Each
22	Providing and fixing 100mm size bright finished brass handles with necessary screws etc. complete including carriage of materials in all leads and lifts.	17.00 No.			Each
23	Chequerred precast cement concrete tiles 22mm thick-in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement complete including carriage of materials within all leads and lifts.	-8.70 Sqm.			Per Square metre
24	Providing and fixing first quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:4 (1 cement: 4 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete including carriage of materials within all leads and lifts.	16.56 Sqm.			Per square metre
25	Providing and fixing first 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 12mm 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	8.44 Sqm.			Per square metre
26	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.	2.33 Sqm			Per square metre
27	Extra for making moulded nosing in granite stone including returned moulded ends and angles to mouldings complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	8.73 Rmt.			Per running metre
28	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.	8.41 Sqm.			Per square metre
29	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.	127.25 Sqm			Per square metre




30	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.	191.75 Sqm			Per square metre	
31	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content With water thinnable cement primer on wall surface having VOC content less than 50grams/litre including carriage of materials within all leads and lifts.	79.24 No.			Each	
32	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand, shade and manufacture including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	79.24 Sqm			Per Square metre	
33	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.	69.23 Sqm			Per square metre	
34	Finishing walls with Acrylic Smooth exterior emulsion, Apexultima or equivalent of required shade Old work (Two or more coat applied @ 1.67ltr/ 10sqm) on existing cement paint surface complete including carriage of materials within all leads and lifts.	254.49 Sqm			Per square metre	
35	Polishing one or more coats with malamine polish of required shade on prepolished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts and as per the direction of the Engineer-in-Charge.	11.04 Sqm			Per square metre.	
36	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.- 20 mm nominal outer dia Pipes.	7.50 Rmt.			Per square metre.	
37	Providing and fixing 630mm X 450mm size single hole vitreous China wash basin with pillar tap, 32mm C.P.waste of standard pattern, C.I. or M.S. brackets painted white including cutting holes and making good the same where ever required but excluding fittings including carriage of materials within all leads and lifts.	1.00 No.			Each	
38	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts.	1.00 No.			Each	
39	Providing and fixing standless steel kitchen sink of size 610mm x460mm with bowl depth 200mm size with C. I. or M. S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	1.00 No			Each	
40	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00 No.			Each	
41	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. screws and washer including carriage of materials within all leads and lifts.	1.00 No			Each	
42	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	
43	Providing and fixing Polyethelene-Aluminium-Polyethelene PE-AL- PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge:-1620 (20 mm OD) pipe.	40.00 Rmt			Per running metre	
44	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 15 mm dia nominal bore complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	70.00 Rmt			Per running metre	



45	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge:- (i) 15mm nominal bore	2.00 No			Each	
46	Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.	2.00 No.			Each	
47	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts (New work):- (i) 15mm nominal bore.	2.00 No.			Each	
48	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810gms complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
49	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 complete including carriage of materials within all leads and lifts:- (i) 15mm nominal bore.	3.00 No.			Each	
50	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	5.00 No.			Each	
51	Providing and fixing 15mm nominal bore flange/cap of approved make and quality for bib/angle cock including carriage of materials within all leads and lifts.	5.00 No			Each	
52	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 complete including carriage of materials within all leads and lifts.	1000.00 Ltr			Per liters.	
53	Disposal of earth / moorum / malba / building rubbish / similar un-surviceable dismantled or waste materials by mechanical means including sorting out useful and un- useful material and transportation of the un-useful material for disposing at approved dumping site or otherwise and including payment of prescribed charges of dumping to the owner of dumping site (to be arranged by the contractor) for the satisfaction of Engineer- in - Charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and other incidentals necessary to complete the work by mechanical means and labour (if required) including disposal of all surplus un-useful materials at approved dumping site including all leads and lifts.	1.41 Cum			Per cubic metre	
<b>Conditions:-</b>					<b>Total</b>	

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

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

  
Executive Engineer  
Shimla Division No.III  
HR, EWD, Shimla-3.

SCHEDULE OF QUANTITY

24

Estimated Cost 236489.00

Earnest Money 4730.00


Time:- one month.

Name of work:- A/R and M/O Various residential buildings under division No III Shimla. ( C/O P.C.C retaning wall, Cement concrete in verandah in front f Block B Old MLA Qtrs at Boileauganj Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	42.26 Cum.			Per cubic metre.	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	14.66 Cum			Per Cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	13.01 Cum.			Per cubic metre.	
4	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering of binding materials moorum or earth etc. complete as per HP.PWD specification 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	19.51 Cum			Per Cubic metre	
5	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	9.64 Sqm.			Per Square metre	
6	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	5.04 Cum			Per Cubic metre	
7	Providing weap holes in Brick Masonary/Stone masonary,plain/reinforced concrete abutment,wing wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete.	9.00 Rmtr			Per running metre	



3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	8.40	Cum				Per cubic metre	
9	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	29.58	Cum				Per cubic metre	
							Total	
	<i>Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>							
	<i>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.</i>							

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



SCHEDULE OF QUANTITY

(25)

Estimated Cost 166047.00

Earnest Money 3320.00

Time:- one month.

Name of work:- A/R and M/O High court Building Shimla. (SH:- Providing and Fixing P.V.C Flooring in old court room 2.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 9 mm thick including carriage of materials within all leads and lifts.	86.01	Sqm			Per square metre.	
2	1.5 mm thick pvc/rubber tiles flooring of approved brand in 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.	86.01	Sqm.			Per square metre.	
3	Providing and fixing PVC step nosing L shape. including carriage of materials within all leads and lifts.	6.80	Rmtr			Per running metre.	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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







26)

Earnest Money 8380.00

Name of work:- S/R to State Museum Building at Chaura Maidan Shimla ( SH:- P/F pine wood ceiling/ lining , P/F HDF flooring Polishing etc in Hindu Devkashya Hall)

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.	0.425 Cum			Per cubic metre	
2	Providing and fixing 20mm thick wooden plank ceiling with tongued and grooved jointing and wood screws (frame work and cover fillets to be measured and paid for separately) in 1st class deodar wood.	9.600 Sqm			Per square metre	
3	Providing and fixing 25mm thick wooden plank in flooring with tongued and grooved jointing and wood screws (frame work and cover fillets to be measured and paid for separately) in 1st class deodar wood.	8.46 Sqm			Per square metre	
4	Providing and fixing 12mm thick pine wood plank 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.	81.83 Sqm.			Per square metre	
5	Providing and fixing 50mm X 50mm wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete including carriage of materials within all leads and lifts. 2nd class teak wood	55.28 Rmt			Per running metre	
6	Providing and fixing HDF decorative laminate core board German flooring AC3 class 32, 7mm thick placed over cushion of 2mm thick expended poeithene foam plus 100 Microne thick poeithene sheet under lay No. 045 Beech West including border of required shade and colour complete in all respect upto all floor levels as per direction of Engineer in charge including carriage of material in all leads and lifts.	51.94 Sqm.			Per square metre.	
7	Polishing two or more coats with PU polish of required shade on previous polished wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.	108.83 Sqm.			Per square metre.	
					Total	
Rates should be quoted for all heights including all leads and lifts for internal and external works.						

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

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




**SCHEDULE OF QUANTITY**

Estimated cost:- 157150.00  
Earnest Money:- 3150.00  
Time :- 15 days

Name of work:- A/R 4 m/10 State Library near Church at Ridge. (SH:-Providing & fixing Curtains in Library building) etc).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and placing curtain of superior quality cloth as per approved sample including quality of cloth design and shade etc of specified length and standard with (48") including stitching with curtain tape and eyelet curtains, rings eight numbers in each curtains complete in all respects as per the direction of Engineer in Charge including carriage of materials in all leads and lifts. Stched Curtain having length 2.15 to 2.50 meters.	65.00 No.			Each	
2	Providing and fixing SS curtain rod of superior quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	60.00 Rmt.			Per running metre.	
3	Providing and fixing SS curtain rod (Funnel) of superior quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	29.00 No.			Each	
4	Providing and fixing SS bracket for curtain rod of superior quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	48.00 No.			Each	
5	Providing and fixing at site rubber base Carpet Door Matt of approved colour & shade of superoir quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	42.00 Sft			Per square feet	
6	Providing and fixing at site Dura wipe foot Matt of approved colour & shade of superoir quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	48.00 Sft			Per square feet	
CONDITION:-					Total:-	

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

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

28

SCHEDULE OF QUANTITY

Estimated cost:- 78120.00  
Earnest Money:- 1560.00  
Time :- One Month.



Name of work:- - S/R to Government Degree College Sanjauli (SH:- Balance work for C/O stairs and dormer)

Sl. No.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
			4	5	6	
1	2	3				
	Steel work welded in built up sections, including hollow section trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. In gratings framed guard bars, ladders, railing, brackets and similar works including carriage of materials within all leads and lifts	428.00 Kg			Per Kilogramme	
	Providing and fixing polycarbonate transparent sheet 2.0 mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carriage of material within all leads and lifts.	9.60 Sqm.			Per square metre.	
3	Providing and fixing on wall face PVC (finolex) type-A rain water pipes with collar and clamps etc. of working pressure not less than 4.5 kg/sqm including filling the joints with approved adhesive complete. 110mm dia pipes including carriage of materials within all leads and lifts.	15.00 Rmt.			Per running metre.	
4	Providing and fixing 0.63 mm thick PGI-sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	4.80 Sqm.			Per square metre	
5	Providing and fixing PVC FINOLEX single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110 mm dia.	1.00 No.			Each	

**CONDITION**

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

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

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




**SCHEDULE OF QUANTITY**

(29)

Estimated cost:- 161600.00  
Earnest Money:- 3230.00  
Time :- One Month.

**Name of work:- - A/R and M/O various residential buildings under division no III Shimla.( SH:- Painting and distemping & Providing and fixing concertina coil etc in set no 12 and set no 13 type VI at Richmond Shima)**

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of material in all leads and lifts.	238.72 Sqm.			Per Kilogramme	
2	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	238.72 Sqm.			Per square metre.	
	Distemping(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade,on decorated wall surfaces to give an even shade,after thoroughly brushing the surface clean of all grease,dirt,loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts..	367.26 Sqm.			Per running metre.	
	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture	95.08 Sqm.			Per square metre	
	Providing and fixing Punch tape concertina coil (PTCC) 45cm dia fitting etc. complete including carriage of materials in all leads and lifts..	144.00 Rmt.			Each	

**CONDITION**

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

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

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

*28/4*

**SCHEDULE OF QUANTITY**

30

Estimated cost:- 326414.00  
 Earnest Money:- 6530.00  
 Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Renovation of Room-1 Toilet ,kitchen, dining room & Room -2 Of set no 11 block- B Type V Qtrs at Richmond Shimla.)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	2.15 cum			Per cubic metre	0.00
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material wwithin all leads and lifts including carriage of materials:For thickness of tiles all thickness	4.71 Sqm.			Per square metre.	0.00
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground withinal leads and lifts.	83.04 Sqm.			Per square metre.	0.00
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)	1.25 cum			Per cubic metre	0.00
5	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood	0.039 cum			Per cubic metre	0.00
6	Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.	12.16 Sqm.			Per square metre.	0.00
7	Providing and fixing 12mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	18.08 Sqm.			Per square metre.	0.00
8	Providing and fixing 12mm thick imported pine wood ceiling/ panneling with tongued and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of material within all leads and lifts.	18.08 Sqm.			Per square metre.	0.00
9	Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts	3.00 Sqm.			Per square metre.	0.00
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.	64.80 Rmtr			Per running metre.	0.00



	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. including carriage of materials within all leads and lifts.	3.00 Sqm.			Per square metre.	0.00
	1.5 mm thick pvc/rubber tiles flooring of approved make, plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of materials within all leads and lifts.	12.69 Sqm.			Per square metre.	0.00
12					Each	0.00
13	Providing and fixing 100 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	11.00 No			Each	0.00
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).	8.00 No				
15	Providing and fixing 1st quality ceramic glazed floor tiles 8mm thk conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. size 300x300mm	13.58 Sqm.			Per square metre.	0.00
16	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.	20.96 Sqm.			Per square metre.	0.00
17	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	1.46 Sqm.			Per square metre.	0.00
18	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. size 300mmx450m	41.32 Sqm.			Per square metre.	0.00



19	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. complete including carriage of materials within all leads and lifts. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	7.69 Sqm.			Per square metre.	0.00
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.	23.15 Rmtr			Per running metre.	0.00
21	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.	83.04 Sqm.			Per square metre.	0.00
22	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler (Two or more coat on new wood)	19.89 Sqm.			Per square metre.	0.00
23	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.	13.08 Sqm.			Per square metre.	0.00
24	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	57.80 Sqm.			Per square metre.	0.00
25	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : New work (Two or more coats) over and including water thinnable priming coat with cement primer	41.72 Sqm.			Per square metre.	0.00
26	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	3.00 Sqm.			Per square metre.	0.00
27	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	26.15 Sqm.			Per square metre.	0.00
28	Painting wood work with Deluxe Multi Surface Paint of required shade. one or more coat of approved brand and manufacture. Including carriage of materials in all leads and lifts.	173.15 Sqm.			Per square metre.	0.00
29	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:	1.00 No			Each	0.00
30	Providing and fixing 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 require. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar tap.	1.00 No			Each	0.00




	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	0.00
32	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work -	2.20	Rmtr			Per running metre.	0.00
33	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts. including carriage of materials within all leads and lifts	1.00	No			Each	0.00
34	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	0.00
35	Providing and fixing 15 mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, i/c cutting chase and making good the walls etc. External work .	12.20	Rmtr			Per running metre.	0.00
36	Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts. 45 cm length.15 mm nominal bore	2.00	No			Each	0.00
37	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.including carriage of materials within all leads and lifts.	2.00	No			Each	0.00
38	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. including carriage of materials within all leads and lifts.	2.00	No			Each	0.00
39	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality including carriage of materials within all leads and lifts.	4.00	No			Each	0.00
40	Providing and fixing C.P. wall flange/ Cap 15mm nominal bore with fittings including carriage of materials within all leads and lifts.	4.00	No			Each	0.00
41	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90 mm.	2.00	No			Each	0.00
42	Providing and fixing high pressure ( Finolex Type B) PVC spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	15.25	Rmtr			Per running metre.	0.00
43	Providing and fixing Accessories PVC finolex Type B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-(i) Plain Bend 110mm dia	2.00	No			Each	0.00
(ii)	Providing and fixing PVC plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	2.00	No			Each	0.00
(iii)	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	10.00	No			Each	0.00

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.	3.49 cum				Per cubic metre	0.00
					Total	

### CONDITION

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

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

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