

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

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

12615-35-

Dated:- 27-07-2022


To

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 **04-08-2022** 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 **03-08-2022** and the application for issue of tender form shall be received up to 4.00 P.M. on **03-08-2022**.

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 Additional High Court Complex at Majitha House Chotta Shimla (SH:- Renovation of toilet Ground floor old building & providing and laying PVC sewerage line and construction of manholes etc.).	Rs.3,75,983/-	Rs.7520/-	One Month	6&8	350/-
2	A/R & M/O to RDH. Block at IGMCM Shimla (SH:- Inside and outside painting and distempering complete).	Rs.4,98,700/-	Rs.9980/-	One Month	6&8	350/-
3	S/R to various residential buildings under division No.III Shimla. (SH:- Repair of ceiling, repair of cupboards, painting etc. in old block No.-1 set No. 30, 31, 32, 34, 35, 39 at Benmore).	Rs.3,48,724/-	Rs.6980/-	One Month	6&8	350/-
4	A/R & M/O various residential/Non residential buildings under Shimla Division No.III (SH:-Supplying of various items for maintenance of day to day work under Shimla Sub-Division No.VII for various Sections).	Rs.3,19,944/-	Rs.6400/-	One Month	6&8	350/-
5	A/R & M/O various roads under Division No.III Shimla (SH:- Widening of path leading to old MLA Qtrs. To block G and F. at RD KM 0/00 to RD 0/090 near Boileauganj Shimla).	Rs.4,10,735/-	Rs.8210/-	One Month	6&8	350/-
6	S/R to State Meusum building at Chaura Maidan Shimla. (SH:- Providing and laying stone soling, cement concrete 1:2:4 in approach road leads to parking at RD 0/00 to 0/045).	Rs.3,31,721/-	Rs.6630/-	One Month	6&8	350/-
7	S/R to various residential buildings under division No.III Shimla (SH:- Repair of flooring, ceiling and other miscellaneous repair work in Block-IV set No. 61-62 & Block No.II set No.19 at U.S.Club Shimla).	Rs.3,92,068/-	Rs.7840/-	One Month	6&8	350/-
8	S/R to various residential building under division No.III Shimla (SH:- Repair of Sewerline, providing and laying chequered tiles in front of Courtyard of block III at U.S.Club Shimla).	Rs.3,85,016/-	Rs.7700/-	One Month	6&8	350/-
9	Special repair to DDU Hospital building at Shimla. (SH:- Repair work in OPD No. 28,29,30,31 & 32 etc.) at DDU Hospital Shimla).	Rs.4,05,362/-	Rs.8150/-	One Month	6&8	350/-
10	A/R & M/O to RDH Block at IGMCM Shimla (SH:- Inside painting and distempering complete).	Rs.3,96,484/-	Rs.7930/-	One Month	6&8	350/-
11	Special repair to various residential building under Shimla Division No.III (SH:- Covering of Verandah of Block No.3 of set No. 1 to 2 at Barnes Court Shimla-2).	Rs.3,94,008/-	Rs.7890/-	One Month	6&8	350/-
12	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Construction of M.S. tank stand, CGI sheet in fencing, G.I. pipe and fitting etc. in Ellerslie Lodge building at Chotta Shimla).	Rs.3,45,585/-	Rs.6920/-	One Month	6&8	350/-
13	Special repair to Himachal Hospital of Mental Health & Rehabilitation Centre at Boileauganj Shimla-5 (SH:- Tile work, removal of debris etc.).	Rs.64,625/-	Rs.1300/-	One Month	6&8	350/-
14	Special repair to DDU Hospital at Shimla (SH:- Repair of old store of PWD enquiry office in DDU Section).	Rs.1,99,775/-	Rs.4000/-	One Month	6&8	350/-
15	S/R to various residential buildings under Division No.III Shimla (SH:- Repair of roof in Type-1 block-38 and Extension of roof over Verandah in Type-1 block 39A at Richmond Shimla).	Rs.2,81,511/-	Rs.5620/-	One Month	6&8	350/-
16	S/R to various residential buildings under Division No.III Shimla (SH:- Repair of floor tile, repair of kitchen, Bath/toilet and other miscellaneous repair work in Block-V set No.7 at 1 <sup>st</sup> floor at Ellerslie Qtrs. at Chotta Shimla).	Rs.3,65,619/-	Rs.7310/-	One Month	6&8	350/-
17	A/R and M/O various residential buildings under Division No.III Shimla (SH:- Repair of cupboards, tile work, marble work, and other miscellaneous repair work in block-30 set No.15 & set No.5 at U.S. Club Shimla).	Rs.1,30,270/-	Rs.2620/-	One Month	6&8	350/-
18	Improvement of cart road to Annadale road at RD 0/00 to Km 4/160 (SH:- Construction of R.C.C. slab culvert at RD 2/960 to 2/969).	Rs.4,27,471/-	Rs.8550/-	One Month	6&8	350/-
19	A/R & M/O to Type-1 sets Mashobra View at IGMCM Shimla (SH:- Painting and distempering etc.).	Rs.1,72,515/-	Rs.3460/-	One Month	6&8	350/-
20	Special repair of Nallah from Dental College at IGMCM Shimla (SH:- Providing and laying RCC work 1:2:4, form work, brick work, plastron and PVC pipe etc. (Phase-2).	Rs.4,98,374/-	Rs.9970/-	One Month	6&8	350/-
21	A/R & M/O to Public service commission office building at Nigam Vihar Shimla-2 (SH:-Painting & Acrylic emulsion paint inner side of building (Block-A) office Changing colour Scheme).	Rs.4,03,478/-	Rs.8070/-	One Month	6&8	350/-




22	A/R and M/O various residential buildings under division No.III Shimla (SH:-Repair of cupboard, painting in Benmore Cottage set No 2 and Yates cottage set No 4 at Benmore Shimla)	Rs.1,62,835/-	Rs.3260/-	One Month	6&8	350/-
23	A/R & M/O to various building under IGMC Shimla (SH:- Providing and laying sewerage lines and Manholes etc.)	Rs.4,99,554/-	Rs.10000/-	One Month	6&8	350/-
24	S/R to various residential buildings under division No.III Shimla (SH:- Repair of walls, repair of doors, windows, rain water pipe and other miscellaneous repair work in Block-II set No.20 at U.S.Club Shimla).	Rs.3,85,537/-	Rs.7710/-	One Month	6&8	350/-
25	A/R & M/O various roads under division No.III Shimla (SH:- Widening of path leading to old MLA Qtrs. to Block G and F at RD Km 0/090 to RD 0 195 near Boileauganj Shimla).	Rs.4,25,695/-	Rs.8510/-	One Month	6&8	350/-
26	Special repair to DDUZ Hospital Shimla (SH:- Construction of retaining wall back side of Mortuary room) at DDU hospital Shimla).	Rs.3,48,483/-	Rs.7000/-	One Month	6&8	350/-
27	S/R to various residential buildings under division No.III Shimla (SH:- Providing and fixing pine wood ceiling etc. in Benmore-8).	Rs.3,84,716/-	Rs.7700/-	One Month	6&8	350/-
28	Restoration of rain damages road from cart road to Annadale road Km 0/00 to 0/160 (SH:- White washing and painting parapet wall, culvert and tree trunks, cleaning of drains, culvert, trimming of grass etc at RD. 0/00 to 4/160).	Rs.4,30,625/-	Rs.7950/-	One Month	6&8	350/-
29	Construction of toilet and Bathroom for attendant in IGMC Shimla (SH:- Construction of three Bath & Toilet etc.).	Rs.4,99,843/-	Rs.10000/-	One Month	6&8	350/-
30	S/R to various residential buildings under division No.III Shimla. (SH:- Providing and laying floor tile, repair of cupboards, repair of W.C. painting and distempering etc. in set No. 9 Type-III in Spring field at Chotta Shimla).	Rs.3,80,062/-	Rs.7600/-	One Month	6&8	350/-
31	S/R to various residential buildings under division No.III Shimla (SH:- Repair of roofing in Block C Set No. C-7 & C-8 at Old MLA Qtrs. near Boileauganj Crossing Shimla).	Rs.3,76,356/-	Rs.7520/-	One Month	6&8	350/-
32	A/R & M/O various residential buildings under division No.III Shimla (SH:- Replacement of CGI sheet roofing, ceiling and painting work etc. in set No.14 at Balquali Shimla).	Rs.1,34,615/-	Rs.2700/-	One Month	6&8	350/-
33	S/R to Public Service commission office building at Nigam Vihar Shimla (SH:-Providing and laying granite stone flooring, pine wood paneling in Ground floor corridor and entrance of Block-B).	Rs.4,50,717/-	Rs.8990/-	One Month	6&8	350/-
34	A/R & M/O to various residential building under Shimla division No.III (SH:- Providing and fixing welded mesh fencing in entrance, Verandah and pre-painted sheet roofing over Verandah in Set No.25 of Dispensary Block at Barnes Court Shimla)	Rs.1,32,714/-	Rs.2660/-	One Month	6&8	350/-
35	A/R & M/O Vidhan Sabha Council Chamber Shimla-4 (SH:-Providing stone cladding on right wall near entrance of Yashwant Singh Parmar Library).	Rs.2,19,741/-	Rs.4400/-	One Month	6&8	350/-
36	Special repair to various Non residential buildings under Shimla Division No.III (SH:- Repair of flooring including painting and distempering sanitary fittings etc.in state Library near Church).	Rs.4,98,744/-	Rs.10000/-	One Month	6&8	350/-
37	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and fixing MS steel work for covering the water tanks with welded mesh in Type-II & Type-IV of block A&B at Barnes Court Shimla).	Rs.2,13,188/-	Rs.4270/-	One Month	6&8	350/-

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

**Terms & Conditions:-**


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

  
Executive Engineer,  
Shimla Division No-III,  
HP.PWD.Shimla  
Dated:-

**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)/2020.Dated:-Shimla-2 the 07January, 2021 and even file No.PBW (B) A(3)/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)/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

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 375983.00  
Earnest Money Rs. :- 7520.00

Time:- one Month

Name of work:-Special repair to Additional High Court complex at Majitha House Chotta Shimla. (SH:- Renovation of toilet Ground floor old building & providing and laying PVC sewerage line and construction of manholes etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	35.29	Sqm		Per square metre	
2	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, all lift, including getting out the excavated soil and disposal of surplus excavated soils as directed, within all leads.	15.34	Cum		Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	6.30	Cum		Per cubic metre	
4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	24.54	Sqm		Per square metre	
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 Tile 600mm x 600mm	10.75	Sqm		Per square metre	



Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90cm x 90cm and 100cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.50.	4.00	No.			Each.	
7 Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 120cm x120cm and 100 cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.50.	4.00	No.			Each.	
8 Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore. Internal work.	20.40	Rmtr			Per running metre	
9 Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	78.60	Rmtr			Per running metre	
110mm dia.	16.20	Rmtr			Per running metre	
75mm dia.	12.60	Rmtr			Per running metre	
10 Providing and fixing PVC finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia	6.00	No			Each	

i) 110mm	8.00	No			Each	
iii) 75mm	8.00	No			Each	
11 Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	4.00	No			Each	
(ii) 110mm	4.00	No			Each	
(iii) 75mm	2.00	No			Each	
12 Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	6.00	No			Each	
(ii) 110mm	6.00	No			Each	
(iii) 75mm	6.00	No			Each	
13 Providing and fixing Finolex Type B PVC plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75 mm dia	3.00	No			Each	
14 Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110mm X 75mm.Providing and fixing PVC floor trap 110 X 75 mm dia size complete.	3.00	No			Each	



Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No			Each	
Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 630x 450 mm with single 15 mm C.P. brass pillar tap	1.00	No			Each	
17 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	
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.	1.00	No.			Each	
19 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	
20 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.	4.00	No			Each	
21 Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No.			Each	
22 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	
23 Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.	6.00	No.			Each	
24 Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore. including carriage of materials within all leads and lifts.	5.00	No			Each	
25 Providing and fixing C.P. brass angle cock of approved quality conforming to IS:8931 : 15 mm nominal bore. including carriage of materials within all leads and lifts.	9.00	No			Each	
26 Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	6.00	No			Each	

Providing and fixing 600mm X 20mm size Ess Ess make Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts	2.00	No.	Each
28 Providing and fixing Sink mixer with swinging spout wall mounted of approved quality including carriage of materials within all leads and lifts Cat No NX-116	4.00	No.	Each
29 Providing and fixing chromium plated soap dish C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws etc. complete including carriage of materials within all leads and lifts	1.00	No.	Each
			Total

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

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

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



**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 498700.00

Earnest Money Rs. :- 9980.00

Time:- One Month.

Name of work: -A/R & M/O to RDH. Block, at IGM. Shimla (SH:- Inside and Out side Painting and Distemping Complete)						
Sl. No.	Items of work	Quantity		Rate		Unit.
				In figurs	In words	
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	756.00	Sqm.			Per Square Metre
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	756.00	Sqm			Per Square Metre
3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work	3709.85	Sqm			Per Square Metre
4	Finishing walls with Premium Acrylic Smooth exterior emulsion with Silicone additives of required shade (i) Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	1260.00	Sqm			per square meter
5	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : complete including carriage of materials within all leads and lifts.(i) Old work (one or more coats)	937.08	Sqm			per square meter
6	Painting with syntheic enamel paint on wood and Wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	1498.08	Sqm			Per square meter
7	Providing Scaffolding for all kind of works in Multistory Building up to all floor height/ levels Bamboo complete tiled with rope on joints and pedestal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	100.00	Sqm			per square meter
						<b>Total</b>
<b>Conditions:-</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.

iii 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**

Estimated cost:- 348724.00

Earnest Money:- 6980.00

Time :- One Month.

**Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:-Repair of ceiling , repair of cupboard, painting etc in old block no-1 set no 30,31,32,34,35,39 at Benmore)**

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	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	0.172	Cum		Per cubic metre.	
2	Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	54	Sqm.		Per square metre.	
3	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	84.8	Sqm.		Per square metre.	
4	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	36.92	Sqm.		Per square metre.	
5	Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts	37.84	Sqm.		Per square metre.	
6	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	37.84	Sqm.		Per square metre.	
7	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.	304.40	Rmt.		Per running metre.	



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.

# CONDITION

8	Providing and fixing aluminium handles, ISI marked, anodised transparent or dyed to required colour or shade, with necessary screws etc. complete :100mm.	84.00 No.			Each
9	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.	84.00 No.			Each
10	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.	37.84 Sqm.			Per square metre.
11	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.	82.12 Sqm.			Per square metre.
12	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	332.32 Sqm			Per square metre.
13	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture. Including carriage of materials in all leads	332.32 Sqm			Per square metre
					Total

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

**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

319944.00  
6400.00  
One Month

Name of work:-A/R & M/O Various residential/Non residential buildings under Shimla Division No. III (SH:- Supplying of various items for maintenance of day to day work under Shimla Sub Division No. VII for various Sections).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and Supplying CP brass bib cock hot & cold seiko deluxe size 15mm including carriage of materials within all leads and lifts	20 00 No.			Each	
2	Providing and Supplying CP brass Angle Stop Cock seiko Hot & Cold Size 15mm Dia including carriage of materials within all leads and lifts	19 00 No.			Each	
3	Providing and Supplying PVC kit for PVC Cistern only (Kit) including carriage of materials within all leads and lifts	9 00 No.			Each	
4	Providing and Supplying PVC cistern complete with all internal fitting complete including carriage of materials within all leads and lifts	8 00 No.			Each	
5	Providing and Supplying CPVC pipe 20mm dia including carriage of materials within all leads and lifts	10 00 No.			Each	
6	Providing and Supplying CPVC elbow 20mm including carriage of materials within all leads and lifts	16 00 No.			Each	
7	Providing and Supplying CPVC female brass elbow Size 20mm including carriage of materials within all leads and lifts	20 00 No.			Each	
8	Providing and Supplying CPVC Union 15mm including carriage of materials within all leads and lifts	12 00 No.			Each	
9	Providing and Supplying G.I pipe 15mm medium B-class 20' long including carriage of materials within all leads and lifts	84 00 Mtrs			Per running metre	
10	Providing and Supplying G.I elbow 15mm including carriage of materials within all leads and lifts	27 00 No.			Each	
11	Providing and Supplying G.I tee 15mm including carriage of materials within all leads and lifts	12 00 No.			Each	
12	Providing and Supplying G.I Socket 15mm including carriage of materials within all leads and lifts	22 00 No.			Each	
13	Providing and Supplying G.I union 15mm including carriage of materials within all leads and lifts	24 00 No.			Each	
14	Providing and Supplying ball gate valves with PVC lever handle Size 15mm dia including carriage of materials within all leads and lifts	18 00 No.			Each	
15	Providing and Supplying glass panes 4mm thick including carriage of materials within all leads and lifts	180 00 Sft			Per square feet	
16	Providing and Supplying putty glazing superior quality including carriage of materials within all leads and lifts	30 00 Kg			Per kilogramme	
17	Providing and Supplying CP brass wall mixer non telephonic Seiko or equivalent size 15mm dia including carriage of materials within all leads and lifts	2 00 No.			Each	
18	Providing and Supplying CP brass sink mixer size 15mm Seiko or equivalent including carriage of materials within all leads and lifts	3 00 No.			Each	
19	Providing and Supplying ball cock with float ball complete size 15mm including carriage of materials within all leads and lifts	16 00 No.			Each	
20	Providing and Supplying CP sink waste size 110mm 32mm for steel sink including carriage of materials within all leads and lifts	17 00 No.			Each	
21	Providing and Supplying helical door spring GP/Yen heavy duty including carriage of materials within all leads and lifts	7 00 No.			Each	

22	Providing and Supplying hydraulic door closer heavy duty including carriage of materials within all leads and lifts	7.00 No.		Each
23	Providing and Supplying leak stop superior quality including carriage of materials within all leads and lifts.	15.00 Kg		Per kilogramme
24	Providing and Supplying PVC connection hot & cold size 15mm dia 450mm long including carriage of materials within all leads and lifts.	20.00 No.		Each
25	Providing and Supplying PVC connection hot & cold size 15mm dia x 600mm including carriage of materials within all leads and lifts	20.00 No.		Each
26	Providing and Supplying wooden screws 20 & 25mm including carriage of materials within all leads and lifts. (100 Nos in each Packet).	12.00 Pkt.		Per packet
27	Providing and Supplying wooden screws 30 & 35mm including carriage of materials within all leads and lifts. (100 Nos in each Packet).	12.00 Pkt.		Per packet
28	Providing and Supplying CP Zet complete with lead Size 15mm including carriage of materials within all leads and lifts.	9.00 No.		Each
29	Providing and Supplying CP health foucet Zet with PVC pipe 15mm complete including carriage of materials within all leads and lifts.	4.00 No.		Each
30	Providing and Supplying white paint 1st. quality including carriage of materials within all leads and lifts	7.00 Ltr		Per Litre
31	Providing and Supplying black paint first quality including carriage of materials within all leads and lifts	10.00 Ltr		Per Litre
32	Providing and Supplying tarpine oil including carriage of materials within all leads and lifts	11.00 Ltr		Per Litre
33	Providing and Supplying brass spandle for CP bib cock 15mm (Disk) including carriage of materials within all leads and lifts.	16.00 No.		Each
34	Providing and Supplying phenyle white standard including carriage of materials within all leads and lifts.	24.00 No.		Each
35	Providing and Supplying phenyle gaida standard including carriage of materials within all leads and lifts.	24.00 No.		Each
36	Providing and Supplying hand wash riffsels large size 750ml including carriage of materials within all leads and lifts	36.00 No.		Each
37	Providing and Supplying nariyal broom standard quality including carriage of materials within all leads and lifts	18.00 No.		Each
38	Providing and Supplying phool broom standard quality including carriage of materials within all leads and lifts	18.00 No.		Each
39	Providing and Supplying table duster large size 12"x12" including carriage of materials within all leads and lifts	36.00 No.		Each
40	Providing and Supplying floor duster sarge size 22"x22" including carriage of materials within all leads and lifts	36.00 No.		Each
41	Providing and Supplying hit spary red large including carriage of materials within all leads and lifts.	6.00 No.		Each
42	Providing and Supplying hit spray black large including carriage of materials within all leads and lifts.	5.00 No.		Each
43	Providing and Supplying room freshener large including carriage of materials within all leads and lifts.	4.00 No.		Each
44	Providing and Supplying PVC waste pipe 32mm dia including carriage of materials within all leads and lifts.	32.00 No.		Each
45	Providing and Supplying CP grating SS for floor trap size 110mm heavy duty including carriage of materials within all leads and lifts	40.00 No.		Each



46	Providing and Supplying hand wash soap including carriage of materials within all leads and lifts.	20.00 No.		Each
47	Providing and Supplying toilet cleaner harpic/max 500ml including carriage of materials within all leads and lifts	24.00 No.		Each
48	Providing and Supplying Acqua gaurd pure water fixtures for running water with fixing/installation including carriage of materials within all leads and lifts.	1.00 No.		Each
49	Providing and Supplying hydrade lime 1st quality in powder super white including carriage of materials within all leads and lifts.	150.00 Kg		Per kilogramme
50	Providing and Supplying water storaget anks 3 Layers Jai bhara In white coloured including carriage of materials within all leads and lifts	1100.00 Ltr		Per Litre
51	Providing and Supplying PVC bucket transparent 22 ltrs. including carriage of materials within all leads and lifts.	5.00 No.		Each
52	Providing and Supplying EWC seat cover for (European Seat) solid including carriage of materials within all leads and lifts.	5.00 No.		Each
53	Providing and Supplying EWC seat cover for (Anglo Indian Seat) solid including carriage of materials within all leads and lifts.	5.00 No.		Each
54	Providing and Supplying PG I sheet tank cover with hinges haps & stepples nut & bolts complete including carriage of materials within all leads and lifts.	5.00 No.		Each
55	Providing and Supplying looking glass with wooden decorative frame size 18x24x5mm including carriage of materials within all leads and lifts.	8.00 No.		Each
56	Providing and Supplying bevelledge looking mirror with holes grinder size 24x24x5mm including carriage of materials within all leads and lifts.	5.00 No.		Each
CONDITION:-				Total:-

- (i) Rates should be quoted for all leads and lifts
- (ii) Sample of the materials to be supplied shall be got approved from Engineer-in-Charge. All materials should be Confirming to bureau of Indian standard

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

# SCHEDULE OF QUANTITY

Estimated Cos 410735.00

Earnest Money 8210.00

Time:- one month.

Name of work:- A/R and M/O Various roads under division No III Shimla. (SH:- Widening of path leading to Old MLA qtrs to Block G and F. at RD Km 0/00 to RD0/090 near Boileauganj Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. Pick and jumper work.	502.43 Cum			Per Cubic metre	0.00
2	Disposal of excavated earth, Dismantling materials & sluge by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owener of dumping site through all modes of transporation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	376.82 Cum			Per Cubic metre	0.00
Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	0.00
credit for useful stone for qty 25.12 cum @ Rs. 500 per cubic metre						

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

# SCHEDULE OF QUANTITY

Estimated Cos 331721.00

Earnest Money 6630.00

Time:- one month.

Name of work:- S/R to state Meusum building at Chaura Maidan Shimla. (SH:- Providing and laying stone soling, Cement Concrete 1:2:4 in approach road leads to parking at RD 0/00 to 0/045.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Excavation work 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 soils as directed complete including carriage of material in all leads and lifts as per direction of the Engineer in Charge:- All kinds of soil.	107.37 Cum.			Per cubic metre.	
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- charge:Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: all kind of soil.	238.61 Sqm			Per cubic metre.	
3	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.	35.79 Cum			Per Cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	35.80 Cum.			Per cubic metre.	
					Total	

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

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

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



**SCHEDULE OF QUANTITY**

7

Estimated cost:- 392068.00

Earnest Money:- 7840.00

Time :- One Month.

Name of work:- - S/R to various residential buildings under division no III Shimla. (SH:-Repair of flooring, Ceiling and other miscellaneous repair work in Block-IV set No 61-62 & Block No II set no 19 at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	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.	0.038	Cum		Per cubic metre	
2	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.	67.04	Sqm		Per square metre.	
3	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters	2.93	Sqm		Per square 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.	4.88	Sqm		Per cubic metre	
5	1.5 mm thick PVC/rubber tiles flooring plain, coloured. corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	20.16	Sqm		Per cubic metre	
6	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	26.7	Sqm		Per square metre.	
7	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	22.73	Sqm.		Per square metre.	
8	Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts	47.22	Sqm.		Per square metre.	
9	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	37.81	Sqm.		Per square metre.	

9	Providing and fixing square edged cover filets (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.	96.7	Rmt.			Per running metre.
11	Providing and fixing Aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 300x16 mm		No			Per square metre.
12	Providing and fixing Aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade. with necessary screws etc. complete : 150x10 mm	4	No			Per square metre.
13	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade. with necessary screws etc. complete : 125mm.	4	No			Each
14	100mm.	49	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 in all leads and lifts.	49	No			Per square metre.
16	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.	10.08	Sqm.			Per square metre.
17	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (One or more coat applied @ 0.90 ltr/10 sqm). including carriage of materials within all leads and lifts.	10.08	Sqm.			Per square metre.
18	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	5.86	Sqm.			Per square metre.
19	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture	4.88	Sqm.			Per square metre.
20	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.	140.29	Sqm.			Per running metre.
21	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	381.53	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.	526.04	Sqm.			Per square metre.

Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.

Sqm.

Per square 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

Sqm.

Per square metre.

Total

## CONDITION

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

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

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



SCHEDULE OF QUANTITY

(8)

Estimated Cost Rs. :- 385016.00

Earnest Money Rs. :- 7700.00

Time:- One Month.

Name of work:- S/R to various Residential Building under division No III Shimla. (SH:- Repair of Sewerline, P/Laying chequered tiles in front of courtyard of block III at U.S Club Shimla.)

Items of work	Quantity	Rate		Unit.	Amount.
		In figures	In words		
Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.	39.84 Cum			Per cubic metre	
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.)	12.75 Cum			Per Cubic metre	
Centering and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	19.80 Sqm			Per square metre	
Providing weep holes in brick masonry/stone masonry/plain concrete/reinforced concrete, abutment, wing walls with 100 mm dia PVC pipe extending through the full length with of the structure with the slope of 1 (V) : 20 (H) towards drawing face complete as per drawing and technical specifications complete including carriage of material in all leads and lifts as per direction of the Engineer in Charge.	10.00 Rmt.			Per Running metre	
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)	1.58 Cum			Per Cubic meter	
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)	14.12 Cum			Per cubic metre	
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) 150 mm dia. including carriage of materials within all leads and lifts.	48.50 Rmt			Per Running metre.	

Requerred precast NTC make cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	92.00	Sqm.			Per square metre.	
Providing and fixing PVC (Finolex) off set (45 degree) ISI marked including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts.150mm.	3.00	No.			Each	
Providing and fixing PVC (finolex ) Plain bends of required degree (any radius) including fixing with approved adhesive etc.complete, including carriage of materials within all leads and lifts.(i) 150 mm nominal size.	2.00	No.			Each	
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.150 mm dia.	1.00	No.			Each	
Providing and fixing PVC FINOLEX collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.150 mm dia.	3.00	No.			Each	
Stone soling with kharanja stone including filling the voids with stone spalls and ramming etc. complete as per the direction of Engineer-in-charge complete including ramming, watering and consolidating upto all leads and lifts.	18.17	Cum			Per Cubic metre	
Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.	2.91	Cum.			Per cubic metre.	
Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	No			Each	

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

12.43 Cum.

Per cubic metre

## CONDITION

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

Sample of all the 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-3.**



# **SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

405362.00  
8150.00  
One Month

Name of work -Special repair to DDU Hospital building at Shimla. (SH:-Repair work in OPD No. 28,29,30,31 & 32 etc) at DDU hospital Shimla.

Sl. NO	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
		70.14 Sqm			Per square meter	
1	Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead including carriage of materials within all leads and lifts.	0.257 Cum			Per cubic metre	
2	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chilrai wood.	65.52 Sqm			Per square meter	
3	Providing and fixing precasted 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.	410.40 Rmt.			Per running metre	
4	Providing and fixing 50x12 mm wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete as per the direction of Engineer-in-charge including carriage of materials in all leads and lifts. 2nd class teak wood.	20.55 Sqm.			Per square metre	
5	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete) including carriage of materials within all leads and lifts.	32.63 Sqm			Per square meter	
6	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within all leads. For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	32.63 Sqm			Per square meter	
7	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.	32.63 Sqm			Per square meter	
8	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge Acid and alkali resistant tile including carriage of materials within all leads and lifts.	21.37 Sqm			Per square meter	
9	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.	67.53 Sqm			Per square meter	
10	Finishing walls with Acrylic Smooth exterior emulsion of required shade New work (Two or more coat) including carriage of materials within all leads and lifts.	129.50 Sqm.			Per square meter	
11	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat) of approved brand and manufacture within all leads and lifts as per direction of Engineer-in-charge.	30.00 Rmt			Per running metre	
12	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.	4.00 No.			Each	
13	Providing and fixing 20mm nominal bore brass ball valve (horizontal plunger type) High pressure with polythene plastic floats with fixing etc. complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
14	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.	5.00 No			Each	
15	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 15mm nominal bore including carriage of materials within all leads and lifts.	15.00 No.			Each	
16	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.	5.00 No			Each	
17	Providing and fixing wash basin with C.I. brackets. 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require 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.	5.00 No			Each	
18	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 deals with C.P. brass screws and washers complete, including carriage of materials in all leads and lifts.				Each	

	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.	5.00 No.			Each	
20	Providing and fixing 125 mm chromium plated brass handles with necessary screws etc. complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
21	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	
22	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :-250x16 mm including carriage of materials within all leads and lifts.	2.00 No.			Each	
23	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.	5.00 No.			Each	
24	Providing and fixing toilet paper holder C.P. brass including carriage of materials within all leads and lifts.	5.00 No.			Each	
25	Providing and fixing bright finished brass hard drawn hooks and eyes 100mm including carriage of materials in all leads and lifts.	5.00 No.			Each	
26	Providing and fixing Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including carriage of materials within all leads and lifts.	5.00 No.			Each	
27	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. Brass screws including carriage of materials within all leads and lifts.	5.00 No.			Each	
28	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including carriage of materials in all leads and lifts.	5.00 No.			Each	
29	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete including carriage of materials within all leads and lifts.	5.00 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

10

Estimated Cost Rs. :- 396484.00

Earnest Money Rs. :- 7930.00

Time:- One Month.

**Name of work: - A/R & M/O to RDH. Block, at IGMC. Shimla (SH:- Inside Painting and Distemping Complete)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	3474.55 Sqm.			Per Square Metre	
2	Painting on Wall surfaces with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : complete including carriage of materials within all leads and lifts.(i) Old work (one or more coats)	2162.76 Sqm			per square meter	
3	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.	3474.55 Sqm			Per Square Metre	
4	Painting on Steel Surfaces with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : complete including carriage of materials within all leads and lifts.(i) Old work (one or more coats)	200.00 Sqm			Per Square Metre	
5	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.(i) In Cement Mortar 1:4 (1 Cement :4 Sand)	75.00 Sqm			per square meter	
	<b>Conditions:-</b>					
					<b>Total</b>	

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

Estimated Cost Rs. :- 0-00 394008-00  
Earnest Money Rs. :- 0-00 7890-00  
Time:- One Month.

Name of work: -Special Repair to Various Residential Building Under Shimla Division No.III SH:- Covering of Verandah of Block No.3 of set No 1 to 2 at Barnes court Shimla -2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including pressing 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.	2.30 Cum			Per cubic meter	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	3408.44 Kg			Per kilogramme	
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 20 mm nominal size)	2.30 Cum			Per cubic meter	
4	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture	153.23 Sqm			Per square meter	
5	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 lalleafts, complete as per direction of Engineer- in Charge. Note-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carrying motor vehicle of 3.5 cum. or More.	2.30 Cum			Per cubic meter	
					<b>Total</b>	

## **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, HP PWD, 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 standards in the market should conform to bureau of Indian standards.

Recovery of useful 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-8.

12

# **SCHEDULE OF QUANTITY**

Name of work: - A/R & M/O various residential buildings under Shimla Division No.III . (SH:- Construction of M.S. tank stand, CGI sheet in fencing, G.I. pipe and fitting etc. in Ellerslie Lodge building at Chotta Shimla.).

Estimated Cost Rs. :- 345585.00  
Earnest Money Rs. :- 6920.00

Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means (over area not exceeding 30cm in depth, 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, complete including carriage of material within all leads and lifts :- All kinds of soil.	9.63 Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (over area exceeding 30cm in depth, 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, complete including carriage of material within all leads and lifts :- All kinds of soil.	4.07 Cum			Per cubic metre	
3	Centering and shuttering including strutting, propping etc. and removal of the same in Foundations, footings, bases of columns, etc. for mass concrete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	3.31 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.	6.82 Cum			Per cubic metre.	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:- In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials in all leads and lifts.	1836.90 Kg			Per Kilogramme	
6	Providing and fixing M.S. welded mesh 25mm x 25mm X 3mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	27.08 Sqm.			Per square metre.	
7	Fixing of old 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 or self drilling screws, including a coat of approved steel primer complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purfins, rafters and trusses and including cutting to size and shape wherever required:- 0.63mm thick sheet including carriage of materials within all leads and lifts.	35.60 Sqm			Per square metre.	
8	Painting Steel 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.	84.36 Sqm			Per square metre	
9	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade Old work (Two or more coats) including carriage of materials in all leads and lifts.	85.36 Sqm			Per square metre.	



10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, w/c cutting and making good the walls etc. External work - Exposed on wall complete including carriage of materials within all leads and lifts - 15 mm nominal bore	150.00 Rmt			Per Running metre	
11	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	4.00 No			Each	
12	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	10.00 No.			Each	
13	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.	
14	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.	
15	Disposal of excavated earth, moonrum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respect as per direction of Engineer-in-Charge.	12.94 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 conform to Bureau of Indian standards

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



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 64625.00

Earnest Money Rs. :- 1300.00

Time:- One Month.

**Name of work:- Special Repair to Himachal Hospital of Mental Health & Rehabilitation Centre at Boileauganj Shimla-5(SH:- Tile work, Removal of Debries etc )**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	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.	26.48	Sqm.			Per square metre	
2	Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore ESS ESS Make Cat No. FTRSBAC01 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts	4.00	No.			Each	
3	Providing and fixing CP brass Sink mixer Make of ESS ESS make Cat No. T-127 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	3.00	Nos			Each	
4	Disposal of excavated earth by Mechanical means on approved dumping site of M.C. Shimla or on arranged by the contractor. i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owener of dumping site through all modes of transporation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour(if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge .	21.46	Cum			Per Cubic Metre	
						Total	

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

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

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

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**

Name of work:- Special repair to DDU Hospital at Shimla. (SH-:Repair of Old store of PWD enquiry Office in DDU section).

SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

199775.00  
4000.00  
One Month

Sl. No.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	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) including carriage of materials within all leads and lifts.	3.40 Cum			Per Cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded concrete aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer-in-charge In Foundation and plinth	9.67 Cum			Per cubic metre	
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	753.20 Kg			Per Kilogramme	
4	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277. in 240 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling self tapping screws of size (5 x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purins, rafters and busses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	43.64 Sqm			Per square meter	
5	Providing and fixing 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. 200x10mm size.	1.00 No.			Each	
6	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1668), transparent or dyed to required colour or shade, with nuts and screws etc. complete 300x16 mm including carriage of materials within all leads and lifts.	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.

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

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 281511.00  
Earnest Money Rs. :- 5620.00

Time :- One Month.

Name of work: S/R to various residential buildings under Division No III Shimla. (SH:- Repair of roof in Type -1 block-38 and Extension of roof over Verandah in type-1 Block-39A at Richmond Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc. and stacking the material within 50 metres lead of G.S. Sheet including carriage of materials within all leads and lifts	73.58	Sqm		Per square metre	
2	Earth work in excavation by 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.	1.30	Cum		Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering 1.30 and shuttering - All work up to plinth level 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 25 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	1.30	Cum		Per cubic metre	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1230.23	Kg		Per Kilogramme	
5	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	96.62	Sqm		Per square metre	
6	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.	10.50	Sqm		Per square metre	
7	Providing and fixing welded mesh 25mm x 25mm X 3mm thick as per approved design by welding 18.40 with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I including carriage of materials upto all leads and lifts.	18.40	Sqm		Per square metre	
CONDITION						
Rates should be quoted for all heights including all leads and lifts for internal and external works.						
Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.						

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



# SCHEDULE OF QUANTITY

Estimated Cost Rs 365619.00  
Earnest Money Rs. 7310.00

Time:- one month

Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Repair of floor tile,, repair of kitchen, Bath/ toilet and other miscellaneous repair work in Block-V set No.7 at 1st floor at Ellerslie qtrs 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 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	0.350 Cum			Per cubic metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, moldings etc. complete and stacking within 50 metres lead :including carriage of materials within all leads and lifts. Of area 3 sq. metres and below	2.00 Cum			Per cubic metre	
3	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. including carriage of materials within all leads and lifts. 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. Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	18.47 Sqm 13.53 Sqm 1.28 Cum			Per square metre Per square metre Per cubic metre	
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights :including carriage of materials in all leads and lifts. (i) In shelves (cast in situ)	1.33 Sqm			Per square metre	
(ii)	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Edges of slabs and breaks in floors and walls	2.30 Rmtr			Per running metre.	
7	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).	0.10 Cum			Per cubic metre	
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bars complete including carriage of materials within all leads and lifts.	20.97 Kg			Per Kilogramme	
9	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	25.05 Sqm			Per square metre	



	Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.	1.90	Sqm			Per square metre
	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.	2.30	Rmtr.			Per running metre.
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). 2nd class Deodar wood.	0.222	Cum			Per cubic metre
	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. complete. including carriage of materials within all leads and lifts.:- Rae wood/chill wood	0.416	Cum			Per cubic metre
	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood 35 mm thick shutters.	7.68	Sqm			Per square metre
5	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws ;including carriage of materials within all leads and lifts. 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood.	3.17	Sqm			Per square metre
16	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.	44.93	Sqm			Per square metre
17	Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class teak wood complete including carriage of materials within all leads and lifts.	174.50	Rmtr			Per running metre.
18	Providing 40x5 mm flat iron hold fast 40cm. Long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm. 1:3:6 ( 1 cement : 3 sand: 6 graded stone aggregate 20mm nominal size). including carriage of materials within all leads and lifts.	34.00	No			Each

	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, nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 250x16 mm	5.00	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 : 150x10 mm	27.00	No		Each
	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.	19.00	No		Each
	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	5.44	Sqm		Per square metre
	Providing and laying glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x450mm..	33.34	Sqm		Per square metre
24	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.	41.04	Sqm		Per square metre
25	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	4.28	Sqm		Per square metre
26	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	37.84	Sqm		Per square metre
27	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.	55.30	Sqm		Per square metre
	6 mm cement plaster of mix : 1:3 (1 cement : 3fine sand) complete including carriage of materials within all leads and lifts	1.33	Sqm		Per square metre



	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	61.39 Sqm	Per square metre
	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	74.53 Sqm	Per square metre
	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm. of approved brand and manufacture. Including carriage of materials in all leads and lifts.	74.53 Sqm	Per square metre
	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	55.30 Sqm	Per square metre
	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	94.60 Sqm	Per square metre
	Painting wood work with Deluxe Multi Surface Paint of required shade, one or more coat applied @ 0.90 ltr/10 sqm. including carriage of materials in all leads and lifts.	20.32 Sqm	Per square metre
	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	0.62 Cum	Per cubic metre
	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1.00 No	Each
37	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 75 mm.Providing and fixing PVC floor trap 110 X 90 mm dia size complete.	4.00 No	Each
38	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 :(internal work)	7.60 Rmtr	Per running metre.
39	Providing and fixing high pressure PVC finolex type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	3.50 Rmtr	Per running metre.
(ii)	75mm dia	6.60 Rmtr	Per running metre.
40	Providing and fixing PVC finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	2.00 No	Each
(ii)	75mm dia	4.00 No	Each

Providing and fixing PVC plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-(i) 110mm dia	2.00	No			Each	
75mm dia	3.00	No			Each	
b) 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.	3.00	No			Each	
(ii) 75mm dia	5.00	No			Each	
i Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	
ii Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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


**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 130270.00  
Earnest Money Rs. :- 2620.00  
Time:- One Month.

**Name of work:- A/R and M/O various residential buildings under division no III Shimla (SH:- Repair of cupboards, tile work , Marble work, and other miscellaneous repair work in block-30 set no 15& set No 5 at U.S Shimla.)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	0.99	Cum			Per cubic metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For thickness of tiles 10 mm to 25 mm	8.59	Sqm.			Per square metre.	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	0.99	Cum			Per Cubic meter	
4	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), jointstreated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade	2.24	Sqm			Per Square metre	
5	Making nosing/moulding in granite stone including polishing etc complete including carriage of materials within all leads and lifts.	3.18	Rmt			Per running metre	
6	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	4.80	Sqm			Per square metre	
7	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	4.49	Sqm.			Per Square metre	
8	Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts	10.71	Sqm.			Per Square metre	



Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	6.43	Sqm.			Per Square metre
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.	15.00	Rmt.			Per running metre
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.	11.00	No			Each
Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.	8.00	No			Each
Providing and laying Ceramic glazed wall tiles (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts.	14.53	Sqm			Per square metre
Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	24.21	Sqm.			Per Square metre
Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.	14.99	Sqm.			Per square metre.

	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	30.70	Sqm.			Per Square metre
	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.	30.70	Sqm.			Per Square metre
	Wall painting(one coat) with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease, loose pieces of scale and sand papered smooth.including carriage of material in all leads and lifts.	71.65	Sqm.			Per square metre.
19	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No			Each
20	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.	1.00	No			Each
21	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
22	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	1.00	No			Each

#### CONDITION

- 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,  
 UP BWD, Shimla 2

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# SCHEDULE OF QUANTITY

Estimated Cost Rs. 427471.00  
Earnest Money Rs. 8550.00  
Time:- one months.

Name of work:- Improvement of cart road to Annadale road at RD 0/00 to Km 4/160 (SH):- Construction of R.C.C slab culvert at RD 2/960 to 2/969.

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 leaner mix (i/c equivalent design mix)	7.880 Cum			Per cubic metre	
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. - Hot rolled deformed bars complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge	2343.00 Kg.			Per Kilogramme.	
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportions as per IS: 9103 to accelerate retard setting of concrete. Improve workability without impairing strength and durability as per direction of Engineer-in-charge	19.52 Cum.			Per cubic 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 coarse sand : 3 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge	4.43 Cum			Per cubic metre	
5	Stone scaling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge	5.90 Cum			Per cubic metre.	
6	Centering and shuttering including strutting, propping etc. and removal of form for :- Suspended floors, roofs, landings, balconies and access platform and Shelves (Cast in situ) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge	42.66 Sqm.			Per square metre.	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	6.30 Cum			Per cubic metre	
Rates should be quoted for all heights including all leads and lifts for internal and external works						Total
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should conform to Bureau of Indian standards						

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



# SCHEDULE OF QUANTITY

(19)

Estimated Cost Rs. :- 172515.00

Earnest Money Rs. :- 3460.00

Time:- One Month.

**Name of work: - A/R & M/O to Type-I sets Mashobra View at IGM. Shimla(SH:- Painting and Distemping )**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	930.03	Sqm			Per Square Metre	
2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. (i) One Coat	428.95	Sqm			Per Square Metre	
3	Finishing walls with Acrylic Smooth exterior Emulsion of required shade :(i) Old work One or more coat applied	301.86	Sqm			Per Square Metre	
4	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	656.22	Sqm.			Per Square Metre	
5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	656.22	Sqm			Per Square Metre	
6	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Wod Based Surfaces :(i) One or more coats on old work	370.13	Sqm			Per Square Metre	
7	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Steel Surfaces :(i) One or more coats on old work	35.82	Sqm			Per Square Metre	
8	Providing Scaffolding for all kind of works in Multistory Building up to all floor high/ levels Bamboo complete tiled with rope on joints and pedistal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	105.33	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 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-2**

# SCHEDULE OF QUANTITY

20

Estimated Cost Rs. :- 498374.00  
Earnest Money Rs. :- 9970.00  
Time:- One Month.

Name of work: -Special Repair of Nallah from Dental college at IGMC. Shimla (SH:- Providing and Laying RCC Work :1:2:4,Form work, Brick work, Plastering and PVC. Pipe etc. (Phase-2))

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	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	33.00	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	123.13	Sqm			Per Square Metre	
3	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	1505.38	KG.			Per Kilogram me	
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: (i) Cement mortar 1:6 (1 cement : 6 coarse sand)	7.69	Cum			Per Cubic Metre	
5	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts. (i) 1:6 (1 cement: 6 fine sand)	225.00	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 conform to bureau of Indian standards.

iv Recovery of useful 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.

## SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 403478.00  
Earnest Money Rs. :- 8070.00  
Time:- One Month.

**Name of work: - A/R & M/O to Public service Commission office building at Nigam Vihar Shimla-2(SH:- Painting & Acrylic Emulsion Paint inner side of Building ( Block-A) office Changing colour Scheme)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
		In figures	In words	In figures	In words		
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	2388.00	Sqm			Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2388.00	Sqm.			Per square metre	
3	Wall painting interior with acrylic emulsion paint of approved brand and manufacture to give an even shade :(i) Two or more coats on new work	2388.00	Sqm.			Per Square Metre	
4	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade One or more coats on old work on wood complete including carriage of materials within all leads and lifts.	1185.93	Sqm			Per Square Metre	
5	French spirit polishing including carriage of materials within all leads and lifts.(i) Two or more coats on new works including a coat of wood filler	63.55	Sqm.			Per Square Metre	
						<b>Total</b>	

### Conditions:-

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, 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 Rs. :- 162835.00

Earnest Money Rs. :- 3260.00

Time:- One Month.

**Name of work:-A/R and M/O Various residential buildings under division no III Shimla. (SH:-Repair of cupboard , painting in Benmore cottage set No.2 and Yates cottage set no.4 at Benmore Shimla)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts	47.16 Sqm.			Per square metre.	
2	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.	16.11 Sqm.			Per square metre.	
3	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply including carriage of materials within all leads and lifts.	12.97 Sqm.			Per Square metre	
4	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.	22.79 Sqm.			Per square metre.	
5	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	67.12 Rmt.			Per running metre	
6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 100mm size.	28.00 No.			Each.	
7	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).	23.00 No			Each	
8	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge	6.00 No.			Per Set	
9	Providing and fixing 1000 litres net capacity PVC water storage tank of ISI : 12701 marked/ PVC Sintex or equivalent, G.I. inlet and outlet connection, 15mm nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all heights above ground level including carriage of materials within all leads and lifts.	2000.00 ltr.			Per Litre	

	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts - (i) 15mm nominal bore.	2.00 No	Each	
	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete including carriage of materials within all leads and lifts. - (i) 15mm nominal bore.	1.00 No.	Each	
	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.	91.27 Sqm	Per square metre.	
3	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.	91.27 Sqm	Per square metre	
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	71.49 Sqm	Per square metre	
4				
5	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	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,  
HP. PWD. Shimla-3.

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499554.00  
Earnest Money Rs. :- 10000.00  
Time:- One Month.

Name of work: -A/R &M/O to Various Building under IGMC Shimla (SH:- Providing and Laying sewerage lines and Manholes etc)									
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 1:4:8 or leaner mix (i/c equivalent design mix)	28.62	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 kind of soil	139.32	Cum			Per Cubic Metre			
3	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :(i) 100 mm dia pipe	320.00	Rmt.			Per Running Metre			
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	10.00	Cum.			Per Cubic Metre			
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:4:8 (1 cement : 4 coarse sand) : 8 graded stone aggregate 20 mm nominal size)	15.00	Cum			Per Cubic Metre			
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	2.88	cum			Per cubic metre			
7	Providing and fixing 150 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts.(i) 150mm Nominal Dia	217.00	Rmt.			Per Running Metre			
8	Providing and fixing 150 mm dia PVC Finolex Door Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 150mm Nominal Dia	4.00	No.			Each			
9	Providing and fixing 150 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 150mm Nominal Dia	10.00	No.			Each			
10	Providing and fixing 150 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(i) 150mm Nominal Dia	10.00	No.			Each			



	Providing and fixing 110 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 110mm Nominal Dia	12.00	Rmt.			Per Running Metre	
	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: (i) Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :	2.00	No			Each	
13	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete. For pipes 100 to 250 mm diameter including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	4.00	No.			Each	
14	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -50 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	20.00	Sqm			per square meter	
15	Providing Scaffolding for all kind of works in Multistory Building up to all floor high/ levels Bamboo complete tiled with rope on joints and pedestal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	51.50	Sqm			per square meter	
	<b>Conditions:-</b>					<b>Total</b>	

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

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

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

		12.00	Rmt.				Per Running Metre	
2	Providing and fixing 110 mm dia pipes on wall face PVC Finolux type-B spigot socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (I) 110mm Nominal Dia	2.00	No				Each	
13	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 : (i) Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :	4.00	No.				Each	
14	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	20.00	Sqm				per square meter	
15	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-50 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	51.50	Sqm				per square meter	
	Providing Scaffolding for all kind of works in Multistory Building up to all floor height levels Bamboo complete tiled with rope on joints and pedestal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.							
	<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, HP PWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

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

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

iv

**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 385537.00

Earnest Money Rs. :- 7710.00

Time:- One Month.

**Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:- Repair of walls , repair of doors, windows, rain water pipe and other miscellaneous repair work in Block-II set No 20 at US Club 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 leaner mix (i/c equivalent design mix)	9.95	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.	0.49	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:- In cement mortar.	9.90	Cum			Per cubic metre	
4	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For thickness of tiles 10 mm to 25 mm	34.37	Sqm.			Per square metre.	
5	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :	29.55	Rmtr			Per running metre.	
6	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:	9.60	Rmtr			Per running metre.	



	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	21.03	Cum			Per Cubic metre	
	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 all leads, as directed by Engineer-in-charge.	3.32	Cum			Per cubic metre	
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	3.32	Cum			Per cubic metre.	
10	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 all level, excluding cost of centering, shuttering, finishing and reinforcement 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer-in- charge.	0.49	Cum			Per cubic metre	
11	Centering and shuttering including strutting, propping etc. and removal of form for :Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	3.90	Sqm.			Per square metre.	
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	58.80	Kgs			Per cubic metre.	
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	21.82	Cum.			Per cubic metre.	

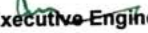

	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.25	Cum		Per Cubic metre
	Providing and fixing aluminium 12mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.:- Pre-laminated particle board with decorative lamination on both sides.	5.21	Sqm.		Per Square metre
	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.	8.23	Sqm		Per square metre.
7	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 material in all leads and lifts as per direction of the Engineer in Charge.	189.72	Sqm		Per square metre
8	Providing and fixing murga jali of wire mesh on wall before plastering with nails etc. complete or as per the direction of engineer-in-charge including carriage of materials within all leads and lifts.	189.72	Sqm.		Per square metre.
19	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete :- (i) 250x10mm size.	12.00	No.		Each
20	(ii) 200x10mm	6.00	No.		Each
	(iii) 150x10mm	12.00	No.		Each
	(iv) 100x10mm	6.00	No.		Each
21	Providing and fixing bright finished floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	10.00	No		Each
22	Providing and fixing 300mm x 16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	10.00	No		Each

Providing and fixing polycarbonatd tranparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carrage of material within all leads and lifts.	1.53	Sqm.			Per square metre.	
Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	31.50	Rmtr			Per running metre.	
Providing and fixing unplasticised -PVC pipe clamps of approved design to unplasticised - PVC rain water pipes by means of rawl plugs, screwed with M.S. screws of required length,	24.00	No.			Each	
Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 20 mm dia nominal bore. External work.	18.00	Rmtr			Per running metre.	

#### CONDITION

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

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

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




SCHEDULE OF QUANTITY

25

Estimated Cost 425695.00

Earnest Money 8510.00

Time:- one month.

Name of work:- A/R and M/O Various roads under division No III Shimla. (SH:- Widening of path leading to Old MLA qtrs to Block G and F. at RD Km 0/090 to RD0/195 near Boileauganj Shimla.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. Pick and jumper work.	552.45	Cum			Per Cubic metre	
2	Disposal of excavated earth, Dismantling materials & sluge by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owener of dumping site through all modes of transporation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All usefull materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	379.76	Cum			Per Cubic metre	
	<i>Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>					Total	
	<i>credit for useful stone for qty 24.22cum @ Rs. 500 per cubic metre</i>						

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

*[Signature]*

26

SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

348483.00  
7000.00  
One Month

ame of work:-Special repair to DDUZ hospital Shimla. (SH:-Construction of retaining wall back side of Mortuary room ) at DDU hospital Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing 1:2:4 (1 Cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts	29.93 Cum			Per Cubic meter	
2	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) including carriage of materials in all leads and lifts. (L.R.)	53.16 Cum			Per cubic metre.	
CONDITION:-						
						Total:-

⑧ Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO. 111.  
HP, PWD, Shimla-171003

SCHEDULE OF QUANTITY

27

Estimated Cost Rs. :- 384716.00

Earnest Money Rs. :- 7700.00

Time:- One Month.

**Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:- Providing and fixing pine wood ceiling etc in Benmore-8)**

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 12mm thick imported pine wood ceiling/ lining with tongued and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of material within all leads and lifts.	124.91 Sqm			Per square metre.	
2	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood. 50x50 mm (base and height)	174.60 Rmtr			Per running metre	
3	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 9mm thick ply including carriage of materials within all leads and lifts.	134.99 Sqm.			Per Square metre	

**CONDITION**

- 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-3.**



# SCHEDULE OF QUANTITY

(28)

Estimated Cost Rs 430625.00

Earnest Money Rs 7950.00

Time:- Eight months

**Name of work:-** Restoration of rain damages road from cart road to Annadale road KM 0/00 to/160 . (SH:- White washing and painting paraphet wall, culvert and tree trunks, cleaning of drains , culvert, trimmng of grass etc at Rd 0/00 to 4/160)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	trimming of from grass and weeds from the shouldees beams and disposing off the same to suitable location as per technical specifications clause 1914. or complete including carriage of materials within all leads and lifts.	7293.00 Sqm			Per square metre	
2	Maintenance of drains include erosion, repair, clearing, cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907 complete including carriage of materials within all leads and lifts.	3986.20 Rmtr			Per running metre	
3	Maintenance of Slab type Culverts by way of , Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical specification Clasue 1908 complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
4	Finishing wall with weather proof exterior grade emulsion of approved brand of colours on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth	4116.08 Sqm			Per square meter	
i Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	
ii Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499843.00

Earnest Money Rs. :- 10000.00

Time:- One Month.

ame of work: -Construction of Toilet and Bathroom for attendant in IGMC Shimla. (SH: - Construction of Three Bath & Toilet etc.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Excavation in foundation, trenches etc. in earth work in all classification of soil such as pick work, jumper work, pick jumper work, blasting work, jumper blasting work, soft and hard blasting and saturated soil, de-watering, including wedging out rocks where blasting work is prohibited, chiseling or any other mixed variety of soil, de-watering and/or removal of slush and incidentals, lift upto any heights, stacking the excavated soil not more than 3mtrs (Three metres) clear from the edge of excavation and then retuning the stacked soil in 15cm (Fifteen centimetre) layers, when required into plinths, sides of foundation etc. consolidating each deposited layer by ramming, watering and then disposing of all excavated earth as directed by the Engineer-In-charge including carriage of materials within all leads and lifts.	4.53	Cum.			Per cubic metre	
2	Providing and laying cement concrete 1:5:10 (1 cement : 5 sand : 10 graded stone aggregate 40mm nominal size) and curing complete excluding cost of centring and shuttering including carriage of materials in all leads and lifts in foundations and plinth.	1.95	Cum			Per cubic metre	
3	Random rubble masonry / polygonal rubble masonry (uncoursed / brought to courses) with hard stone of approved quality in foundation and plinth in cement mortar 1:6 (1 cement :6 sand) in breast walls and retaining walls including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	5.86	Cum			Per cubic metre	
4	Providing Second class brick work using common burnt clay building bricks in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand) including carriage of materials in all leads and lifts.	14.24	Cum			Per cubic metre	
5	Second class half brick masonry in common burnt clay building bricks in superstructure upto floor all level in cement mortar 1:4 (1 cement : 4 sand) including carriage of materials in all leads and lifts.	23.40	Sqm			Per square metre	
6	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.47	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 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	9.40	Sqm.			Per square metre	

	Providing and fixing 250mm x16mm size oxidized M.S.C.P. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts.	6.00	No			Each	
	Providing and fixing aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete. The rate is inclusive for carriage of materials within all leads, lifts and other incidentals:- (i)150mm X 10mm size.	12.00	No			Each	
	100mm X 10mm size.	6.00	No			Each	
	Providing and fixing 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:- (i) 125mm size.	12.00	No			Each.	
	75mm size.	6.00	No			Each.	
13	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 : 3 ( 1 cement : 3 sand) finished with flush pointing in white cemen including carriage of materials within all leads and lifts.	13.92	Sqm.			Per square metre	
14	White glazed tiles 6mm thick of approved size, shade, design and quality in skirting risers of steps and dado 12mm (Twelve millimetre) thick cement mortar 1:3 (One cement is to Three Sand) and jointed with cement slurry including carriage of materials within all leads and lifts.	43.80	Sqm.			Per square metre	
15	Steel work welded in built up sections, including hollow section trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in beams joists, channels, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.	510.00	Kg.			Per Kilogram me	
16	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20microns over 5microns primer coating to back coat of polyester of 5microns over 5microns primer coating including fixing with self drilling screws complete with prepainted limpet and rubber washers complete with all accesories as required as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts.	30.24	Sqm			Per square metre	
17	15mm Cement plaster in single coat on the rough side of brick/ concrete/ stone walls for interior plastering upto floor two level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in Cement Mortar 1:6 (1Cement:6 Sand) including carriage of materials within all leads and lifts.	22.54	Sqm			Per square metre	
18	15mm cement plaster in single coat on fair side of brick/ concrete/ stone walls for interior plastering upto all floor level including arises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and smooth including carriage of materials within all leads and lifts :-Cement mortar 1:6 (1 cement : 6 sand)	54.90	Sqm			Per square metre	
19	Applying priming coat over new wood and wood based surfaces after and including prepering the surface by thoroughly cleaning oil,grease,dirt and other foreign matter) sand papering and knotting Readymixed paint brushing wood primer pink.including carriage of materials within all leads and lifts	27.18	Sqm.			Per square metre	



20	Painting two coats (excluding 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 & stoping including carriage of materials within all leads and lifts:-With white enamel paint.	27.18	Sqm.			Per square metre	
21	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 with carriage of materials within all leads and lifts.	77.44	Sqm.			Per square metre.	
22	Providing and fixing vitreous China wash down, water closet squatting pan (Indian type W.C pan) size 580mm (Earth work, bed concrete, foot rest and trap to be measured and paid for separately) including carriage of materials within all leads and lifts :-Orissa Pattern.	2.00	No.			Each	
23	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) :-Ordinary Closet including carriage of materials within all leads and lifts.	2.00	No.			Each	
24	Providing and fixing 110mm dia PVC 'P' or 'S' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc.complete including carriage of materials within all leads and lifts.	2.00	No.			Each	
25	Providing and fixing 10.00 liter capacity PVC low level flushing cistern Hind ware sleek ultra of size 42X39X14cm 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.	4.00	No.			Each	
26	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 plastic seat and cover.	2.00	No.			Each	
27	Providing and fixing 550mmx400mm flat back vitreous China wash basin with single hole for pillar tap with C.I. or M.S.brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials within all leads and lifts.	2.00	No.			Each	
28	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.	2.00	No.			Each	
29	Providing and fixing 32 mm dia C.P. waste for wash basin or sink including carriage of materials within all leads and lifts.	2.00	No.			Each	
30	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	6.00	No.			Each	
31	Providing and fixing looking mirror of size 600mm X 450mm with plastic frame (superior quality) including backing support and fixing with screws etc at site as directed by Engineer-in-charge including carriage of materials within all leads and lifts.	2.00	No.			Each	

32	Providing and fixing 15mm dia CP brass bib tap with capstan head including carriage of materials within all leads and lifts.	6.00	No.		Each	
33	Providing and fixing 15mm dia CP brass pillar tap with capstan head including carriage of materials within all leads and lifts.	4.00	No.		Each	
34	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	
35	Providing and Fixing PVC. Pipe for sewerage line Type- B including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge. - (i) 100mm nominal size	17.00	Rmt.		Per running metre	
35.1	(ii) 75mm nominal size	11.20	Rmt.		Per running metre	
36	Providing and Fixing PVC. Pipe Accessories for sewerage line Type- B including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.- (i) Plain bend 100mm nominal size	6.00	No.		Each	
36.1	(ii) Plain bend 75mm nominal size.	8.00	No.		Each	
36.2	Door Bend (i) 75mm nominal size.	3.00	No		Each	
36.3	Door Bend (ii) 100mm nominal size.	5.00	No		Each	
36.4	Collar 75mm nominal size.	3.00	No		Each	
36.5	Collar 100mm nominal size.	4.00	No		Each	
37	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i) 75mm nominal size diameter.	2.00	No		Each	
37.1	(ii) 100mm nominal size diameter	4.00	No		Each	
38	Providing and fixing 15mm nominal bore to wall ceiling and floors galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floor complete including carriage of materials within all leads and lifts.	17.80	Rmt		Per running metre	
	<b>Conditions:-</b>					
					<b>Total</b>	

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

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

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

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

# SCHEDULE OF QUANTITY

Estimated Cost Rs 380062.00

Earnest Money Rs 7600.00

Time:- one month

**Name of work:- S/R to various residential buildings under division no III Shimla. (SH:- Providing and laying floor tile, repair of cupboards, repair of W.C painting and distempering etc in set No. 9 Type III in Spring field 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 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	1.35 Cum			Per cubic metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within all leads and lifts including carriage of materials For all thickness	40.01 Sqm.			Per square metre	
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within all leads and lifts.	44.64 Sqm.			Per square metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size)	0.84 Cum.			Per cubic metre	
5	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials within all leads and lifts 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood	0.90 Sqmtr			Per square metre	
6	Providing and fixing 250mm x 15mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS - 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
7	Providing and fixing 150mm X 10mm size aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	20.00 No.			Each	
8	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	
9	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.	17.17 Sqm.			Per square metre	
10	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.	41.73 Sqm			Per square metre.	
11	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply including carriage of materials within all leads and lifts.	15.42 Sqm			Per Square metre	
12	Providing and fixing 100mm 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.	30.02 Sqm.			Per square metre	
13	Providing and fixing first class deodar 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.	148.76 Rmt.			Per running metre.	
14	Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	46.00 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:- Double strip (horizontal type)	36.00 No			Each	
16	Providing and laying Ceramic glazed floor tiles of size 300mm x 300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS - 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	3.01 Sqm			Per Square metre	



	providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts. Size of Tile 600x600 mm.	20.86 Sqm.			Per square metre.	
	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. Size of Tile 600mm x 600mm.	44.64 Cum			Per cubic metre	
	15mm thick cement plasters in single coat on rough side of brick/ concrete/ stone walls for interior plastering upto all floor level including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm in girth and finished even and smooth with cement mortar 1:6 (one cement: six sand) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	44.64 Sqm			Per square metre.	
	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.	132.30 Sqm.			Per square metre.	
	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	247.64 Sqm			Per square metre	
	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	117.14 Sqm.			Per square metre.	
3	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture complete including carriage of materials within all leads and lifts.	117.14 Sqm.			Per square metre.	
24	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture complete including carriage of materials within all leads and lifts.	87.60 Sqm.			Per square metre.	
25	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.	188.97 Sqm.			Per square metre.	
26	Providing and fixing Ess-Ess make curtain rod 25mm dia with brackets. complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	14.40 Rmt.			Per running metre	
27	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid, Make Cera or Hindware complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
28	Providing and fixing 550mm X 400mm Flat back vitreous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	1.00 No			Each	
29	Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts - ESS-ESS Cat No. T-127.	1.00 No			Each	
30	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	
31	Providing and fixing C.P. brass angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts - Ess Ess make Cat No. T-112	6.00 No.			Each	
32	Providing and fixing Bib cock with foam flow without wall flange of approved quality conforming to IS:8931 15 mm nominal bore. including carriage of materials within all leads and lifts. Ess-Ess Trend Cat No. T-103	2.00 No.			Each	

42	Providing and fixing Wall mixer with telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts -Cat No. T-121	1.00	No		Each
43	Providing and fixing wall mixing hand shower 1flow with 1.5 mtr flex tube and hook including carriage of materials within all leads and lifts Cat No-HS-107	1.00	No		Each
44	Providing and fixing central hole wash basin mixture / sink mixture 450mm including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts -ESS ESS Trend series T-118	1.00	No		Each
45	Providing and fixing 600mm X 20mm size C. P. Towel rail complete with C.P. brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts -ESS ESS catalogue No. AC-701	2.00	No		Each
46	Providing and fixing towel ring of ESS ESS catalogue No. AC-702 or equivalent complete including carriage of materials within all leads and lifts	1.00	No		Each
47	Providing and fixing Hindware liquid soap container 109mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms including carriage of materials within all leads and lifts	1.00	No		Each
48	Providing and fixing 45cm length steel wire connection pipe viking make with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts	4.00	No		Each
49	Providing and fixing C.P. Brass extension viking make nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	8.00	No		Each
50	Providing and fixing C.P. wall flange/ Cap 15mm (fifteen millimetre) nominal bore with fittings including carriage of materials within all leads and lifts	8.00	No		Each
51	Providing and Fixing PVC corner shelves 3-in-1 single piece of make sleek Essence HSIL complete including carriage of materials within all leads and lifts	2.00	No		Each
52	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 plastic seat and cover	1.00	No		Each
53	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
54	Providing and fixing 100mm C.P. grating viking make for floor or nahani trap including carriage of materials within all leads and lifts	4.00	No		Each
55	Providing and fixing 600mm x 450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts	1.00	No		Each
56	Providing and fixing 600mmx120mm x5mm acrylic glass shelf with C.P. brass bracket and guard rail complete fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts	1.00	No		Each
57	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
58	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting Chasing and making good the walls etc 15mm nominal bore internal work	16.70	Rmt.		Per running metre.
59	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	4.00	No		Each
60	Providing and fixing high pressure PVC (Finolex) type- B spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts - (i) 110mm dia including carriage of materials within all leads and lifts	15.70	Rmt		Per Running metre.
61	Providing and fixing PVC (Finolex) Type -B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts - 110 mm nominal size	5.00	No		Each

Providing and fixing PVC (Finolex) Type -B plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm nominal size.	3.00 No		Each
Providing and fixing PVC (Finolex) Type -B Collar ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm nominal size.	15.00 No		Each
Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	3.24 Cum		Per cubic metre
			Total

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

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



# SCHEDULE OF QUANTITY

Estimated Cost I 376356.00

Earnest Money F 7520.00

Time - one Month

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:-Repair of roofing in Block C Set no C-7 & C-8 at Old MLA Qtrs Near Boiluganj Crossing Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within all lead as per direction of Engineer-in-charge complete including carriage of material within all leads and lifts.	1.06 Cum			Per Cubic meter	
2	Dismantling wooden boardings /Eaves board including stacking complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- width Upto 200 mm	10.85 Cum			Per Cubic meter	
	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. including carriage of materials within all leads and lifts	171.36 Cum			Per cubic metre	
	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :Of sectional area 40 square entimetres and above. including carriage of materials within all leads and lifts.	0.29 Cum			Per cubic metre	
	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 :-2nd class deodar wood.	0.43 Cum			Per cubic metre	
	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.	313.52 Kg			Per Kilogramme	
	Providing and fixing Tata Durashine precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	183.20 Sqm			Per square metre.	

Providing and fixing precoated galvanised steel sheet roofing accessories 0.60 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete i) Ridges plain (500 - 600mm)

20.35 Rmtr

Per running  
metre

Providing and fixing prepainted galvanised steel sheet roofing accessories 0.60 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete - Flashings/ Aprons (Upto 600 mm).

18.20 Rmtr

Per running  
metre

Providing and fixing polycarbonate transparent sheet 120mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpe and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge

3.66 Sqm



Per square  
metre

Condition -

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

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

Total

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


# SCHEDULE OF QUANTITY

of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:-Repalcement of CGI sheet roofing, ceiling and painting work etc in  
 Time:- Eight months  
 Earnest Money 12700.00  
 Estimated Cost 1134615.00

Items of work	Quantity	Rate		Unit.	Amount.
		In figures	In words		
Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with blumen and G.I. linpet washers or with G.I. linpet 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 putlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than, including carriage of materials within all heads and lifts	61.41	Sqmt		Per square metre	
Providing ridges or hips of width 60 cm overall with plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. linpet and blumen washers complete including carriage of materials within all heads and lifts	11.80	Rmt		Per running metre	
Providing and fixing M.S. BP Sheet 1.6mm to 2mm thick in eaves board / fascia / ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all heads and lifts	23.59	Sqm		Per square metre	
Disposal of building rubbish / maba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge. Beyond 50 m initial head, for all heads including all lifts involved	21.76	Cum		Per cubic metre	
Painting Steel work with Celux Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 lit/ 10 sqm over an under coat of primer applied @ 0.80 lit/ 10 sqm of approved brand and manufacture including carriage of materials within all heads and lifts	23.59	Sqm		Per square metre	
Total					

1 Rates should be quoted for all heights including all heads and lifts for internal and external works  
 2 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,  
 H.P.W.D. Shimla-3.



# SCHEDULE OF QUANTITY

Estimated cost:- 450717.00  
Earnest Money:- 8990.00  
Time :- One month

Work :- S/R to Public Service commission office building at Nigam , Shimla (SH:- Providing and laying granite stone flooring , Pine wood Panelling in Ground floor and entrance of block -B)

Qty.	Rate	Unit.		Amount.
		In Words	In Figures.	
2		Cum	1.89	Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within all lead and lifts as per direction of Engineer-in-charge :
		Sqm	7.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubble to the dumping ground within 50 metres lead
		Cum	0.94	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) complete including carriage of materials within all leads and lifts.
		Cum	0.59	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)
		Sqm	82.10	Providing and fixing 12mm thick imported pine wood ceiling/ panelling 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
		Rmt	137.50	Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class teak wood complete including carriage of materials within all leads and lifts.
		Sqm	45.32	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
8		Sqm	157.56	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.
9		Sqm.	90.31	Metamine polishing on wood work (two or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge

1 Rates should be  
2 Sample of all the

- 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.

spreaders used to neutralize

			Cum	2.00	posal of moonrum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for up to 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in can areas having restricted hours for movement/ plying of load carrying motor vehicle of 3.5 ton or more including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.
Total:-	Per Cubic metre				

Executive Engineer  
Shimla Division NO. III.  
HP.P.W.D. Shimla-171003

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 132714.00

Earnest Money Rs. :- 2660.00

Time:- One Month.

Name of work:- A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Fixing Welded Mesh fencing in Entrance , Verandaha and Prepainted sheet roofing over Verandaha in Set No. 25 of Dispebsary Block at Barenes Court (Shimla )

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	807.42	Kg			Per Kilogramme	
2	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.	26.28	Sqm			Per Square Metre	
3	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts. (i) 250x16 mm.	1.00	No.			Each	
4	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts.(i) 150x10mm	10.00	Nos.			Each	
5	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete including carriage of materials within all leads and lifts.(i) 125mm	6.00	Nos.			Each	
6	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 Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. including carriage of materials within all leads and lifts.	15.26	Sqm			Per Square Metre	



	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 including carriage of materials within all leads and lifts. (i) Flashings/ Aprons. ( Upto 600 mm)	8.10	Rmt			Per Running Metre	
B	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	34.57	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 wil be charged / deducted from contractor @ Rs. 4.00 Each.

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

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Earnest Money Rs. :-	4400.00
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Time:- one Month

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	52.68	Sqm			Per square metre	
2	Providing and Fixing hard stone dressed in all sides and front face of size 6"x12" with an average thickness of 12mm thick on R.C.C surface side as on face Archmasonry walls etc on 12 mm thk cement plaster 1:3 (1cement:3 sand) and jointed with cement slurry i/c scaffolding complete)	67.51	Sqm			Per square metre	
3	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 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	1.60	Sqm			Per square metre	
	<i>Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>					Total	
	<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,  
H.P. PWD. Shimla-3.

# **SCHEDULE OF QUANTITY**

Estimated cost:- 498744.00  
 Earnest Money:- 10000.00  
 Time :- One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Repair of flooring including painting, distempering sanitary fittings etc in state Library near Church).

SI. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chilrai wood.	0.420 Cum			Per Cubic metre.	
2	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	0.07 Cum			Per Cubic metre.	
3	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of materials within all leads and lifts.	52.97 Sqm			Per square meter	
4	Providing and fixing 150mm 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.	123.95 Sqm.			Per square metre	
5	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.	260.87 Sqm			Per square meter	
6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	260.87 Sqm			Per square meter	
7	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour Two coats including carriage of materials and as per the direction of the Engineer-in-Charge.	260.87 Sqm			Per square meter	
8	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	300.16 Sqm			Per square meter	
9	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes including carriage of materials within all leads and lifts.	1.60 Sqm			Per square meter	
10	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws including carriage of materials within all leads and lifts.	7.90 Sqm			Per square meter	
11	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with nuts and screws etc. complete :-250x16 mm including carriage of materials within all leads and lifts.	4.00 No.			Each	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :-150x10 mm including carriage of materials within all leads and lifts.	12.00 No.			Each	
13	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	10.00 No.			Each	
14	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
15	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including carriage of materials in all leads and lifts.	2.00 No.			Each	
16	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.	0.821 Cum			Per Cubic metre.	



17	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within all leads For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	18.95 Sqm		Per square meter	
18	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform including carriage of materials within all leads and lifts.	1.80 Sqm.		Per square meter	
19	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars including carriage of materials within all leads and lifts.	22.32 Kg		Per Kilogramme	
20	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, helms, chajias, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.135 Cum		Per Cubic meter	
21	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.- Cement mortar 1:4 (1 cement :4 coarse sand) including carriage of materials within all leads and lifts.	2.26 Sqm.		Per square meter	
22	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.	1.04 Cum		Per Cubic meter	
23	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand). Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete including carriage of materials within all leads and lifts.	5.31 Sqm		Per square meter	
24	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.	17.65 Sqm		Per square meter	
25	Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (vener work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately) Area of slab upto 0.50 sqm including carriage of materials within all leads and lifts. Baroda green marble.	1.80 Sqm		Per square meter	
26	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts.	6.00 Sqm.		Per square metre.	
27	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	2.70 Sqm.		Per square metre.	
28	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.	2.70 Sqm.		Per square metre.	
29	Providing and fixing 6mm thick commercial ply wood ceiling of approved quality with butt jointing and nails (frame work and cover filets to be paid for separately) complete including carriage of materials within all leads and lifts.	2.70 Sqm		Per square meter	
30	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	9.60 Rmt.		Per running metre.	
31	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.	12.00 Rmt		Per running metre	
32	Providing and fixing brass full way valve with wheel including carriage of materials within all leads and lifts. 15mm nominal bore	2.00 No.		Each	
33	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.	9.80 Rmt.		Per running metre.	
34	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.	2.00 No		Each	

35	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	
36	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.	4.00 No.		Each	
37	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts.-110mm X 90mm.	4.00 No.		Each	
38	Providing and fixing 15mm dia bib cock (Superior or heavy type) ESS ESS INBC-101 including carriage of materials within all leads and lifts.	2.00 No.		Each	
39	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	
40	Providing and fixing wash basin mixer of ESS ESS make INBM-101 including carriage of materials within all leads and lifts.	1.00 No.		Each	
41	Providing and fixing Angle stop cock of approved quality 15 mm nominal bore ESS ESS make INAC-101 including carriage of materials within all leads and lifts.	5.00 No.		Each	
42	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.	5.00 No.		Each	
43	Providing and fixing PVC Waste Pipe flexible coil type Make Viking or equivalent 32mm dia including carriage of materials within all leads and lifts.	4.00 No.		Each	
44	Providing and fixing C.P. brass waste for wash basin or sink ESS ESS make Catalogue No. C-230D including carriage of materials within all leads and lifts :-32 mm dia.	4.00 No.		Each	
45	Providing and fixing PTMT coloured / white high density polyethylene / poly propylene 10litres capacity ( full flush) European standard control low level flushing cistern with fittings 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 over flow 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) make CERA B1020102 including carriage of materials within all leads and lifts.	1.00 No.		Each	
46	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	2.00 No.		Each	
47	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts. Wash basin NEO Catalogue No. 10098	2.00 No.		Each	
48	Providing and fixing vitreous China pedestal for wash basin including carriage of materials within all leads and lifts. Opeal Neo Catalogue No. 11032.	2.00 No.		Each	
49	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 make hardware one piece element HSIL Catalogue No. 92565 including carriage of materials within all leads and lifts.	1.00 No.		Each	
50	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	
51	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	
52	Providing and fixing Health Faucet of make ESS ESS Catalogue No. C-232Y including carriage of materials within all leads and lifts.	2.00 No.		Each	
53	Providing and fixing 100mm sand CP grating of superior quality for floor or nahani trap including carriage of materials within all leads and lifts. Make viking Catalogue No. 40906A	4.00 No		Each	
54	Providing and fixing Acrylic glass shelves of ESS ESS make Catalogue No. AC-307 including carriage of materials within all leads and lifts.	2.00 No		Each	
55	Providing and fixing CP soap dish of make Viking Catalogue No. 38060 including carriage of materials within all leads and lifts.	3.00 No		Each	
56	Providing and fixing Liquid soap dispenser of make Viking Catalogue No. 1125 including carriage of materials within all leads and lifts.	2.00 No		Each	
57	Providing and fixing towel rail of make ESS ESS Catalogue No. AC-101 including carriage of materials within all leads and lifts.	2.00 No		Each	

58	Providing and fixing towel ring of make ESS ESS Catalogue No. AC-102 including carriage of materials within all leads and lifts.	2.00 No			Each	
59	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.	1.00 No.			Each	
60	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	
61	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	5.40 Sqm			Per square meter	
62	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	6.00 No.			Each	
63	Providing and fixing 35mm thick paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	5.49 Sqm			Per square meter	
<b>CONDITION:-</b>					<b>Total:-</b>	

- Rules 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 standards in the market should conform to bureau of Indian standards.

*Executive Engineer*  
**Shimla Division NO.111,**  
**H.P.W.D.Shimla-171003**



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 213188.00

Earnest Money Rs. :- 4270.00

Time:- One Month.

**Name of work:- A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Fixing MS. Steel work for covering the awter Tanks with welded mesh in Type-II & Type-IV of block A&B at Barnes Court Shimla)**

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figuers	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	1267.62	Kg			Per Kilogramme	
2	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	100.18	Sqm			Per square meter	
3	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. including carriage of materials within all leads and lifts.(I) 125x65x2.12 mm	8.00	No			Each	
4	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts.(i) 250x16 mm.	4.00	No.			Each	
5	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 including carriage of materials within all leads and lifts.	110.00	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.
- 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**