

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NO.SD-III-CB-Tender/2022-23- 19536 Dated:- 30-9-22
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 16th July, 2021 as the works mentioned in the notice inviting tender are urgent/emergent nature of works in public interest.
Encl:- as above

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

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

Sealed item rate tenders on form No. 688 are hereby invited by the Executive Engineer, Shimla Division No. III, H.P.P.W.D. Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in H.P.P.W.D. so as to reach in his office on or before 10-10-2022 up to 10 30 A.M. and will be opened on the same day at 11.00 A.M. in the presence of the intending Contractors/Firms or their authorized representatives. The tender form can be had from this office against cash payment (non-refundable) on any working day up to 5.00 P.M. on 07-10-2022 and the application for issue of tender form shall be received up to 12.00 P.M. on 07-10-2022.

The earnest money in the shape of National Saving Certificate Time deposit account using account in application form for the tender offer. Conditional tender and the tender received without earnest money will summarily be rejected. The Executive Engineer reserves the right to reject the tender without assigning any reason there to. Other conditions are applicable as per form No. 688. 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 set No.5 occupied by Sh. Shashi Pal new Annexe at Metropole Shimla (SH:- Providing fixing door, window, cupboard, PGI Sheet ceiling, tiles works, painting and distemping etc.)	Rs.3,65,603/-	Rs.7310/-	One Month	688	350-
2	Special repair to new DDUZ hospital building at Shimla (SH:- Providing & Fixing aluminium work in temporary medicine OPD Covid-19 text cabin & Casualty & fire safety signage's as per fire safety Audit report in old building) at DDU hospital Shimla.	Rs.4,17,134/-	Rs.8350/-	One Month	688	350-
3	Balance work for construction of parking block at Tribunal/Majitha House Shimla-2 (SH:- Providing and fixing grills and rolling shutters etc.)	Rs.4,24,177/-	Rs.8490/-	One Month	688	350-
4	Special repair to Real Regulatory Authority office at Majitha House Chotia Shimla-2 (SH:- Construction of stage, table, witness boxes in basement floor of court room conference hall and partition walls etc.)	Rs.2,27,558/-	Rs.4560/-	One Month	688	350-
5	C/O parking for GAD residences at Benmore Shimla (SH:-C/O steel structure for parking of various GAD residence at Benmore Shimla (Balance Work)	Rs.4,59,852/-	Rs.9200/-	One Month	688	350-
6	Special repair of set No. 601 at New Metropole building at Shimla (SH:- Providing and fixing cupboard, wood work, tiles work and sanitary fitting etc.)	Rs.1,80,504/-	Rs.3610/-	One Month	688	350-
7	Special repair of sarvodya Leper colony downdale Phagli Shimla (SH:- Covering of boundary with CGI sheet)	Rs.3,86,170/-	Rs.7750/-	One Month	688	350-
8	A.R & M.O to phase-I block-B and phase-II block-A at GMC Shimla (SH:- Repair of doors and windows at block A & B at GMC Shimla)	Rs.4,07,853/-	Rs.8160/-	One Month	688	350-
9	Special repair of Sarvodya Leper Colony Downdale Phagli Shimla (SH:- Construction of steel vertical posts for boundary wall)	Rs.4,13,363/-	Rs.8300/-	One Month	688	350-
10	Special repair at Dental College at GMC Shimla (SH:- Steel work, roof in parking nad cement concrete, water proofing in gutter etc. at block-3)	Rs.4,30,202/-	Rs.8610/-	One Month	688	350-
11	Restoration of rain damages at HP Secretariat Shimla (SH:- C/O stairs and retaining wall to driver block from entrance of phase-III)	Rs.2,68,650/-	Rs.5380/-	One Month	688	350-
12	A.R & M.O Armsdale building at HP Secretariat Shimla-2 (SH:- Construction of tank standm sanitary fittings, and other minor Misc. repair works etc.)	Rs.3,43,373/-	Rs.6870/-	One Month	688	350-
13	Special repair of RKMV at Shimla (SH:- Cement Concrete work, Emulsion and steel painting etc.)	Rs.99,009/-	Rs.1990/-	One Month	688	350-
14	Special repair to Eilerslie main building at H.P. Secretariat Shimla-2 (SH:- Repair work in G-21, G-22, Guard room, E-110, windows of third floor gallery near control room and repair of damaged toilet in room G-16)	Rs.3,41,520/-	Rs.6840/-	One Month	688	350-
15	A.R & M.O various residential buildings under Shimla Division No. III (SH:- Providing & fixing cupboards in set No. T-11/159, 162, F-III-43, U-II-70, Royal Hotel 1.6 etc.) at Nabha Estate Shimla	Rs.1,69,623/-	Rs.3400/-	One Month	688	350-
16	A.R & M.O Armsdale building at HP Secretariat Shimla-2 (SH:- Providing and laying sewerage line in entry point and construction of manhole etc.)	Rs.2,33,416/-	Rs.4670/-	One Month	688	350-

17	A/R & M/O various residential buildings under Division No.III Shimla. (SH:- Repair of toilets in Benmore-3,6 and 8 at Benmore Shimla)	Rs.3,51,183/-	Rs.7020/-	One Month	6&8	350 -
18	Special repair to Old MLA qtrs near Boileauganj(SH:- Widening of path leading to old MLA qtrs. to block G and F at Rd km 0/195 to Rd 0/270)	Rs.3,84,698/-	Rs.7700/-	One Month	6&8	350 -
19	A/R & M/O various residential buildings under division no.III Shimla. (SH:- Repair to steel work in Benmore-2 at Shimla)	Rs.1,41,430/-	Rs.2830/-	One Month	6&8	350 -
20	Special repair to various residential buildings under Division No.III Shimla.(SH:- Laying of 150 mm dia sewerline on Old MLA qtr. From block F to M.C. chamber at road and construction of manhole etc. near Boileauganj crossing Shimla)	Rs.3,89,805/-	Rs.7800/-	One Month	6&8	350 -
21	A/R & M/O various residential buildings under Division No.III Shimla.(SH:- Repair of cupboard, painting and distemper etc in set No. 4 of block A type II' at Richmond Shimla)	Rs.1,46,858/-	Rs.2940/-	One Month	6&8	350 -
22	Special repair to Ellerslie building at HP Secretariat Shimla. (SH:- Re-stuffing of sofa and office chairs in CM office).	Rs.2,37,200/-	Rs.4750/-	One Month	6&8	350 -
23	Special repair to Armdale building at HP Secretariat Cholta Shimla. (SH:- Providing and fixing curtains with lining in Room No. 103,105 to 111,114,120,322, 401 and 618)	Rs.4,99,840/-	Rs.10000/-	One Month	6&8	350 -
24	A/R & M/O various residential buildings under Division NO III Shimla. (SH:- Construction of manhole, laying of sewer pipeline in Old MLA qtrs. backside of block C near Boileauganj crossing Shimla)	Rs.2,17,959/-	Rs.4360/-	One Month	6&8	350 -
25	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Repair to block No. N-II of set No.104 etc) at Nabha Estate Shimla	Rs.1,69,424/-	Rs.3400/-	One Month	6&8	350 -
26	Special repair to Medical College at IGM Shimla. (SH:- Dismantling work, paneling, flooring, cupboard and painting etc. in Room No. 406 c etc.)	Rs.60,258/-	Rs.1210/-	One Month	6&8	350 -
27	A/R & M/O various residential buildings under Division No.III Shimla. (SH:- Repair of flooring, wood work, painting and distemping, in set No 1,2 of block No.23 and set No 7 of block No. 24 at U.S. Club Shimla)	Rs.3,93,782/-	Rs.7880/-	One Month	6&8	350 -
28	Special repair to Kamla Nehru Hospital Shimla (SH:- Polishing work in MS Office, painting and distemping work out side of campus area)	Rs.3,85,450/-	Rs.7710/-	One Month	6&8	350 -
29	A/R & M/O various residential buildings under Division No.III Shimla (SH:- Cleaning of door windows, sweepings, mopping and cleaning of toilets etc. in Nirman Bhawan Nigam Uhar Shimla)	Rs.4,73,691/-	Rs.9480/-	One Month	6&8	350 -
30	SR to Kamla Nehru Hospital Shimla. (SH:- Painting and distemping work in Canteen, Demolition work, brick work, plaster work in sterilizer room)	Rs.2,12,488/-	Rs.4250/-	One Month	6&8	350 -
31	Special repair to Govt. Dental College at IGM Shimla (SH:- Renovation of toilet by dismantling work, brick work, vitrified tiles, painting, distemping and sanitary fittings etc. in first floor)	Rs.3,19,208/-	Rs.6390/-	One Month	6&8	350 -
32	Special repair to Kamla Nehru Hospital Shimla (SH:- Steel work roofing work, painting and distemping work for counters and Gumpu for Security Guards in M.S. Office)	Rs.4,41,244/-	Rs.8830/-	One Month	6&8	350 -
33	A/R & M/O non residential buildings under Division No.III Shimla. (SH:- painting and distemping inside and outside in council chamber building at Vidhan Sabha Shimla)	Rs.3,81,668/-	Rs.7630/-	One Month	6&8	350 -
34	Restoration of rain damages of various roads under Division No. III Shimla. (SH:- construction of PCC breast wall at Rd 0/00 to Rd 0/018)	Rs.3,91,748/-	Rs.7830/-	One Month	6&8	350 -
35	A/R & M/O various residential buildings under division no.III Shimla (SH:- Repair of Garage No.3 for block No.1 set no.12 at U.S. Club Shimla)	Rs.2,86,293/-	Rs.5730/-	One Month	6&8	350 -
36	Restoration of rain damages of various roads under Division No.III Shimla. (SH:- Re-grading of peterhoff road at Rd km 0/00 to 0/040)	Rs.3,60,192/-	Rs.7200/-	One Month	6&8	350 -
37	A/R & M/O various residential buildings under Shimla division No. III (SH:- Providing & fixing Misc. items attached to winterfield Annex above LA Office) at Winterfield Shimla.	Rs.53,510/-	Rs.1100/-	One Month	6&8	350 -
38	Restoration of rain damages to winterfield complex (SH:- Construction of retaining wall behind Drawing branch of	Rs.2,50,611/-	Rs.5050/-	One Month	6&8	350 -

Division No-III) at winterfield Shimla					
39	A/R & M/O various residential buildings under Division No. III Shimla (SH:- Repair of roofing in block No. 30 backside at U.S. Club Shimla)	Rs.3,99,810/-	Rs.8000/-	One Month	6&8 350/-
40	Special repair to castle grove building at Boileauganj under CMO DDUZ hospital Shimla. (SH:- Repair/renovation of toilets & construction of retaining wall etc.)	Rs.4,68,871/-	Rs.9400/-	One Month	6&8 350/-
41	Restoration of rain damages of various roads under Division No. III Shimla.(SH:- Construction of PCC breast wall at Rd 0/018 to 0/036)	Rs.4,08,209/-	Rs.8160/-	One Month	6&8 350/-
42	Special repair to castle grove building to Boileauganj under CMO DDUZ hospital Shimla. (SH:- Repair of castle Groove residence etc)	Rs.2,28,158/-	Rs.4600/-	One Month	6&8 350/-
43	Special repair to New DDUZ hospital building at Shimla. (SH:- Shifting of water tanks to top floor roofing & fittings etc) at DDU hospital Shimla)	Rs.2,76,835/-	Rs.5550/-	One Month	6&8 350/-
44	Restoration of rain damages of various roads under Division No-III Shimla. (SH:- Providing and laying sewerline, G.I pipeline, C/O manhole in Peterhoff road side at RD 0/00 to 0/77).	Rs.2,28,129/-	Rs.4560/-	One Month	6&8 350/-
45	Special repair to DDUZ Hospital & Ellerslie building at Shimla (SH:- Providing staff for repair & maintenance of various buildings under Shimla Division No. III)	Rs.3,55,632/-	Rs.7150/-	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,
H.P. PWD Shimla-3
Dated - 30-9-22

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

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

1. The Engineer-in-Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla-2.
2. The Deputy Commissioner Distt. Shimla-1.
3. The Superintending Engineer-4th Circle in H.P. PWD Shimla with the request to issue necessary certificate regarding display of above tender notice in the notice board of circle office in view of the Principal Secretary (PW) to the H.P. notification No.PBW (B) A (31) 2020 Dated:-Shimla-2 the 07 January, 2021 and even file No.PBW (B) A(31) 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(31)2020 dated 16th July, 2021.
5. The Municipal Commissioner M.C. Shimla.
6. All the Assistant Engineers working under this Division.
7. The president contractor/association Shimla.
8. Notice board

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

SCHEDULE OF QUANTITY

				Estimated cost:-365603.00
				Earnest Money:-7310.00
			Time :-	One Month.

Name of work:- Special Repair to Set No. 5 occupied by Sh. Shashi Pal new Annexe at Metropole Shimla. (SH:- Providing fixing door, window , Cupboard, PGI Sheet ceiling, Tiles works, painting and Distemping 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 complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	1.98 Cum			Per cubic metre	
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead of area 3 sq. metres and below complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	1.00 No.			Each	
3	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.	14.16 Sqm			Per square metre	
4	Dubbing out an old irregular walls average 15mm thick with cement mortar 1:6 (1 Cement : 6 sand) including carriage of materials in all leads and lifts.	89.04 Sqm.			Per square metre.	
(ii)	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 complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	52.34 Sqm			Per square metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size)	1.98 Cum.			Per cubic metre.	
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level:- Hot rolled deformed bars.	13.00 Kg.			Per Kilogram me.	
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level:- Cement mortar 1:4 (1 cement :4 coarse sand)	2.73 Sqm			Per square metre	
8	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):- D/dar	0.073 Cum.			Per cubic metre.	

9	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.:- Rael/Chill.	0.405 Cum.	Per cubic metre.
10	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	4.61 Sqm	Per square metre.
11	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	3.15 Sqm	Per square metre.
12	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts.	10.72 Sqm.	Per square metre.
13	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.	6.84 Sqm.	Per square metre.
14	Providing and fixing 0.80mm 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.	9.90 Sqm.	Per square metre.
15	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.	4.71 Sqm.	Per Square metre
16	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.	53.77 Rmt.	Per running metre.
17	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 .	36.52 Sqm.	Per Square metre
18	Providing and laying vitrified tiles of 600mm X 600mm sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.	16.35 Sqm.	Per Square metre

19	Providing and laying marble stone flooring with 18mm thick marble stone as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with including carriage of materials within all leads and lifts:- Udaipur green marble.	2.97 Sqm.	Per square metre
20	Providing and fixing 0.63mm thick PGI sheet ceiling 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.	52.34 Sqm.	Per square metre
21	Providing and fixing hard wood plain square edged cover fillets (beading) 40mm X 12mm section, with wood screws in ceiling and lining including mitring at junction including carriage of materials within all leads and lifts.	161.85 Rmt.	Per running metre.
22	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	94.50 Sqm.	Per square metre
23	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.	47.52 Sqm	Per square metre.
24	Applying one or more coat of paint based putty made of whiting and POP etc. mixed in required quantity of white enamel paint for application on wood based products after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	142.02 Sqm	Per square metre
25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	47.52 Sqm	Per square metre.
26	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.	27.70 Sqm	Per square metre
27	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works.	57.57 Sqm	Per square metre
28	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	49.53 Sqm	Per square metre
29	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water thinnable priming coat with cement primer.	94.50 Sqm	Per square metre

30	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.	3.35 Rmt		Per running metre
31	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1.00 No.		Each
32	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x510 mm bowl depth 200mm.	1.00 No.		Each
33	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge	1.00 No.		Each
34	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.	1.00 No.		Each
35	Providing and fixing 32 mm dia P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Semi rigid pipe.	2.00 No.		Each
36	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	1.00 No.		Each
37	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.	1.00 No.		Each
38	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts.	1.00 No.		Each
39	Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts.ESS-ESS Cat No. T-127.	1.00 No		Each
40	Providing and fixing 110mm X 75mm size 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.	1.00 No		Each
41	Providing and fixing pipes on wall face PVC (Finolex) type "A" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc. complete including carriage of materials within all leads and lifts:- (i) 75mm nominal size.	3.00 Rmt		Per running metre
42	Providing and fixing 75mm nominal size PVC (finolex) plain single equal branch with oval access door, insertion rubber washer 3mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	1.00 No.		Each

43	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.	3.73 Cum	Per cubic metre
Condition:-			

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 417134.00
Earnest Money:- 8350.00
Time :- One Month

Name of work:-Special repair to new DDUZ hospital building at Shimla. (SH:-Providing & fixing aluminum work in temporary Medicine OPD Covid-19 test Cabin & Causality & fire Safety Signage's as per fire safety Audit report in Old building) at DDU hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing anodised aluminium work duly power coated of required shade for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-in-Charge. (i) for doors windows and ventilators and glazed partitions frames including carriage of materials within all leads and lifts.	127.05 Kg.			Per Kilogramme.	
2	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5.5 mm thick glass panes including carriage of materials in all leads and lift as per direction of Engineer in Charge.	6.55 Sqm			Per square meter	
3	Providing and fixing all weather proof ACP 4mm thick imported sign panel all weather proof multi colour computerised reflective digital panel 3mm thick, mounted on power coated G.I. frame work with T-section with fasteners fixed/hanging with wall or ceiling etc. with specified clamps and G.I. wire and rawl plug etc complete as per the direction-of Engineer-in-Charge including carriage of materials with in all leads & lifts.	6.55 Sqm			Per square meter	
4	Providing and Fixing Bright Retro Print on Sunboard for Signage of fire Escape & Exist, Traffic, and for other Signage fixing in the Building, on roads etc including all tax with all leads and Lift complete as per direction of engineer In charge. including carriage of materials within all leads and lifts.	20726.00 square inch			Per square inch	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.111.
H.P. & D. Shimla-171003

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 424177.00
 Earnest Money Rs. :- 8490.00
 Time:- One Month.

Name of work: -Balance work for construction of parking block at Tribunal, Majitha House Shimla-2. (SH: -Providing and fixing grills and rolling shutters etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.50cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters complete including carriage of materials within all leads and lifts:-80mm x 0.90mm M.S. laths with 0.90mm thick top cover.	12.60 Sqm			Per square metre	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials within all leads and lifts.	3489.60 Kg.			Per Kilogramme	
Conditions:-					Total	

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

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 227558.00
 Earnest Money Rs. :- 4560.00
 Time:- One Month.

Name of work: - Special Repair to Real Estate Regulatory Authority office at Majitha House Chotta Shimla-2. (SH:- Construction of stage, table, witness boxes in basement floor of court room/conference hall and partition walls etc.)

Sr. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing 19mm thick water proof ply of standard quality ISI mark and approved shade and colour in paneling / flooring / cup-board and wall lining including mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) including carriage of materials within all leads and lifts.	58.88	Sqm.	Per square metre.	
2	Providing and fixing veneered decorative plywood lining with decorative surface on one face with butt jointing and nails (frame work and cover filets to be measured and paid for separately) 4mm thick ply-3ply complete including carriage of materials within all leads and lifts.	49.22	Sqm	Per square metre.	
3	Providing and fixing HDF decorative laminate parquat original flooring AC4 class, 8mm thick as per the approved sample and shade, placed over cushion of 2mm thick expanded polethene foam plus 100 Microne thick polethene sheet under lay No. 045 Beech West including border of required shade and colour complete in all respect upto all floor levels as per direction of Engineer in charge including carriage of material in all leads and lifts.	14.25	Sqm.	Per Square metre	
4	Providing and fixing HDF decorative laminate parquat original skirting AC4 class, 8mm thick as per the approved sample and shade, in lining/skirting up to 15cm height complete, in all respect upto all floor levels as per direction of Engineer in charge including carriage of material in all leads and lifts.	5.62	Rmt.	Per running metre	
5	Taking out doors, shutters and re-fixing after fixing the teak ply in both side of shutter including pressed butt hinges etc. complete within all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	2.00	No.	Each	
6	Polishing two or more coats with malamine polish of required shade on wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler complete including carriage of materials in all leads and lifts.	54.18	Sqm	Per square metre.	
7	Providing and fixing ornamental moulded cornice 50mm x 12mm section with wood screws in ceiling and lining including mitring at junctions in first class deodar wood including carriage of materials within all leads and lifts.	11.26	Rmt.	Per running metre.	
8	Providing and fixing hard wood plain square edged cover filets (beading) 19mm x 6mm section with nails/wood screws etc. in ceiling and lining including mitring at junctions complete including carriage of materials within all leads and lifts.	55.68	Rmt.	Per running metre.	
9	Providing and fixing 250mm x16mm size stainless steel sliding door bolt fixed with bolts and nuts screws etc. complete including carriage of materials within all leads and lifts.	3.00	No.	Each	
10	Providing and fixing 125mm size stainless steel handles fixed with necessary screws etc. complete including carriage of materials within all leads and lifts.	6.00	No.	Each	
11	Providing and fixing 200mm x10mm size stainless steel tower bolts (barrel type) fixed with screws etc. complete including carriage of materials within all leads and lifts.	3.00	No.	Each	
12	Providing and fixing bright finished long leg type hydraulic door closer of Godrej make or equivalent with screws etc. complete including carriage of materials in all leads and lifts.	3.00	No.	Each	
13	Providing and fixing EssEss Curtain rod 25mm dia and 1.66mm thick (confirming to bureau of Indian standard) in single length with out any joint complete including carriage of material within all leads and lifts.	6.00	Rmt.	Per Running metre.	
14	Providing and fixing Ess Ess Curtain brackets double rod etc. fitting complete including carriage of material within all leads and lifts.	4.00	Pair	Per Pair	
15	Providing and fixing Ess Ess make finalls for curtains for sides of rod etc. fitting complete including carriage of material within all leads and lifts.	4.00	Pair	Per Pair	

16	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	21.98	Sqm	Per square metre
17	Providing and applying white cement based putty of average thickness 1.00mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	21.98	Sqm	Per square metre
18	Distempering one or more coats on old work with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50grams/ litre, of approved brand and manufacturer, including applying additional coats wherever required, to achieve even shade and colour complete as per manufacturer's specification including carriage of materials within all leads and lifts.	43.95	Sqm.	Per Square metre
19	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 or steel complete including carriage of materials within all leads and lifts.	41.62	Sqm	Per square metre
Conditions:-				Total

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 459852.00
Earnest Money:- 9200.00
Time :- One Month.

Name of work:- C/O parking for GAD residences at Benmore Shimla. (Sh:- C/O steel structure for parking of various GAD residence at Benmore Shimla.
(Balance Work)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Providing and fixing 6mm thick chequered steel plates including cutting welding complete in flooring over steel frame work to be paid seprately). including carriage of materials in all leads and lifts. As per direction of Engineer-in charge.	2580.32 Kg			Per Kilogramme	
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.	682.86 Kg			Per Kilogramme	
3	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand :6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts.: In Foundation and plinth	8.70 Cum.			Per cubic metre.	
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new steel work complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	223.26 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

For

SCHEDULE OF QUANTITY

6

Estimated cost:-	180504.00
Earnest Money:-	3610.00
Time :-	One Month.

Name of work:- Special Repair to Set No. 601 at New Metropole building at Shimla. (SH:- Providing and fixing Cupboard, wood work, Tiles work and sanitary fitting 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 complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (1/c equivalent design mix).	0.36 Cum.			Per cubic metre.	
2	Dismantling tiled floors laid in mortar upto floor all level including stacking of serviceable materials and disposal of un-serviceable materials within all leads and lifts including carriage of materials (wooden/ concrete joists to be measured and paid for separately) for thickness of tiles upto 25mm.	17.60 Sqm			Per Square metre	
3	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30mmx30mmx5mm so as to give a fair finish including centring, shuftering, strutting and propping etc.with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 Mtrs. and removal of the same for insitu-reinforced concrete and plain concrete work:- (i) Flat surfaces such as soffits of suspended floors, roofs, landings and the like including carriage of materials within all leads and lift :-Floor etc. upto 200mm in thickness.	0.87 Sqm.			Per square metre	
4	Edges of slabs and breaks in floors and walls:- Under 20cm wide including carriage of materials within all leads and lifts.	1.45 Rmt.			Per running metre	
5	Providing mild steel/Tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor all level complete including carriage of materials within all leads and lifts:-Tor Steel.	8.00 kg.			Per Kilo-gramme.	
	Providing and laying cement concrete 1:2:4 (1 cement:2 sand :4 graded stone aggregate 40mm nominal size) and curing complete excluding cost of form work including carriage of materials in all leads and lifts in foundation and plinth.	0.38 Cum			Per cubic metre	
6	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.	2.94 Sqm			Per square metre	
7	Providing wood work in frames of false ceiling partitions etc. sawn and put-up in position complete including carriage of materials within all leads and lifts in 2nd class decdar wood.	0.047 Cum			Per Cubic metre	
8	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	19.47 Sqm.			Per square metre.	
9	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	12.20 Sqm.			Per square metre.	
10	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	19.47 Sqm.			Per square metre.	

11	Providing and fixing hard wood plain square edged cover filets (beading) 40mm X 12mm section, with wood screws in ceiling and lining including mitring at junction including carriage of materials within all leads and lifts.	57.36	Rmt	Per running metre.
12	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) 6mm thick ply including carriage of materials within all leads and lifts.	2.28	Sqm.	Per Square metre
13	Providing and fixing 250mm X 16mm size aluminium sliding door bolts with screws and nuts etc complete including carriage of materials within all leads and lifts.	2.00	No.	Each
14	Providing and fixing aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts:- (i)150mm X 10mm size.	6.00	No.	Each
15	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	26.00	No	Each
16	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	18.00	No	Each
17	Providing and laying Duro stone vetrified tiles of size 300mm X 300mm X 10mm of approved shade and quality in grey/coloured or of approved shade in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts.	6.50	Sqm	Per Square metre
18	Providing and laying Duro stone vetrified tiles of size 300mm X 300mm X 8mm of approved shade, size and quality in grey/coloured or of approved shade in walls, skirting, dado etc. laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts.	17.63	Sqm.	Per square metre.
19	Providing and laying granite stone of approved shade in flooring 20mm (average) thickness base of cement mortar 1:3 (1cement: 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing and polishing complete in 20mm thick including carriage of materials within all leads and lifts.	3.26	Sqm	Per square metre
20	Providing and fixing bright finished over head hydraulic door closer of superior class (confirming to bureau of Indian Standards) with screws etc. complete of Kitch make or equivalent including carriage of materials in all leads and lifts.	3.00	No.	Each
21	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting including carriage of materials within all leads and lifts in Readymixed paint brushing with white lead for priming.	46.15	Sqm	Per square metre
22	Painting two coat (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering and stoping including carriage of materials within all leads and lifts in With white enamel paint.	46.15	Sqm.	Per square metre
23	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.	15.00	Sqm	Per square metre

24	Distemping (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth including Priming coat with distemper primer including carriage of materials within all leads and lifts.	15.00 Sqm.	Per square metre.
25	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts:- Plain Glass: 4mm thick.	3.74 Sqm.	Per square metre.
26	Providing and fixing wall ceiling floor galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floors. including carriage of materials within all leads and lifts :- 15mm nominal bore.	4.25 Rmt	Per running metre.
27	Providing and fixing 750mm X 20mm size C.P. brass towel rail complete with C.P. brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts.	1.00 No.	Each
28	Providing and fixing 15mm (fifteen millimetre) nominal bore C.P. angle cock of approved quality and colour with flange including carriage of materials within all leads and lifts:- Victor cat No. F1015201.	2.00 No	Each
29	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts.:- Cera cat No. F5002106.	2.00 No.	Each
30	Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts:- Victor cat No. F1015501.	1.00 No	Each
31	Providing and fixing wall mixing faucet for shower and bath hand shower with Angular and Rest Holder including carriage of materials within all leads and lifts:- Victor cat No. F200240.	2.00 No.	Each
32	Providing and fixing one hole basin mixing Faucet including carriage of materials within all leads and lifts:- Victor cat No. F1015401.	2.00 No	Each
33	Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.	6.00 No.	Each
34	Providing and fixing 110mm X 75mm size 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.	1.00 No	Each
35	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) 75mm dia.	3.20 Rmt	Per Running metre.
36	Providing and fixing 75mm nominal size PVC(finolex) plain single equal branch with oval access door, insertion rubber washer 3mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	1.00 No.	Each
37	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No	Each
38	Providing and fixing jet spray system with flexible tube with nuts complete including carriage of material within all leads and lifts.	1.00 No.	Each

39	Providing and fixing standless steel kitchen sink of size 610mm X 460mm with bowl depth 200mm size with C. I. or M. S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	1.00	No	Each
40	Disposal of dismantled useless materials by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the useless 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.	0.80	Cum.	Per cubic metre.
	Condition:-			

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 386170.00
 Earnest Money:- 7750.00
 Time :- One Month

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

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

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

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

SCHEDULE OF QUANTITY

②

Estimated Cost Rs. :- 407853.00
Earnest Money Rs. :- 8160.00

Time:- One Month.

Name of work: - A/R & M/O to Phase-I Block-B and Phase-II Block-A at IGMC Shimla(SH:- Repair of Doors and Windows at Block A & B at IGMC Shimla)						
Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitted and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :(i) For Fixed Portion (a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	86.81 Kg.			Per Kilogram	
2.00	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	135.28 Kg.			Per Kilogram	
3.00	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) (Labour Rate)	1303.10 Kg.			Per Kilogram	
4.00	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer -in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) including carriage of materials within all leads and lifts.	44.84 Sqm.			Per square meter	
5.00	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :(i) 250x16mm	12.00 No			Each	
6.00	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	20.00 No			Each	

7.00	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 200x10mm	20.00	No		Each
7.10	(ii) 100X10				
8.00	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:(i) 125x75x4mm	31.00	No		Each
8.10	(ii) 100x63x4mm	18.00	No		Each
9.00	Providing and fixing 12mm thick prelaminated board both side bwp phenol bonded exterior/interior grade panalled shutters with frame of first class deodar wood for doors including bright finished/black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts:- 40mm thick frame.	25.00	No		Each
10.00	Providing and fixing 4.00mm thick ACP sheet of approved shade interior grade for partition/window shutter both side laminated with PVC gasket etc. complete including carriage of materials within all leads and lifts.	19.21	Sqm		Per square meter
11.00	Providing and Fixing EPDM Gasket Aluminium spacers , Gaps as per direction of Engineer-in- Charge.	6.72	Sqm.		Per square metre
12.00	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.(i) With stainless steel cover plate minimum 1.25 mm thickness	83.60	Kg.		Per Kilogram
13.00	Providing and fixing wire gauge using galvanized in Aluminium Frame M.S. wire gauge of I.S. gauge designation 85G with wire of dia. 0.56mm for , door windows shutters including including carriage of materials with in all leads and lifts.	4.00	No		Each
	Conditions:-	9.92	Sqm.		Per square 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, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 41363.00
Earnest Money:- 8300.00
Time :- One Month

Name of work:- Special repair to Sarvodya Leper Colony Downdate Phagli Shimla (SH:-Construction of steel vertical posts for boundary wall).

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 hepth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge All kinds of soil including carriage of materials within all leads and lifts.	36.28 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 stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in-charge In Foundation and plinth.	36.28 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.	1844.90 Kg.			Per Kiligramme	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 430202.00
Earnest Money Rs. :- 8610.00

Time:- One Month.

Name of work: - Special repair to Dental College at IGMC Shimla (SH:- Steel work, roof in parking and Cement Concrete , Water proofing in Gutter etc. at Block-A)

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 richer mix (i/c equivalent design mix)	7.27 Cum			Per Cubic Metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	166.32 Sqm			Per Square Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:1½:3 (1 Cement: 1½ coarse sand) : 3 graded stone aggregate 20 mm nominal size)	7.27 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	665.19 Kg			Per Kilogram	
5	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	20.25 Sqm			Per Square Metre	
6	15 mm cement plaster on the rough side of single or half brick wall of mix : (i) 1:4 (1 cement: 4 fine sand) complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	166.32 Sqm			Per Square Metre	
7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in Wall surfaces (i) Two or more coats on new work	17.57 Sqm.			Per square metre	

8	Providing and laying waterproofing treatment with five coats of Polymer Shalcrete @ 0.30Kg / Sq.mtr. (1 Part shalcrete 0.55 Part Cement) Coating by stand Wtiching fiber mesh over one Coat of polymer primer coat of shalcrete @ 0.20 Kf/Sq. Mtr. (1 Part Shalcrete 0.8 part water, 2 Part cement) Followed by cleaning the surface thoroughly, repairing the damaged surface and Cracks with polymer mortar @ 0.16 Kg / Bag of cement (1 Part Shalcrete diluted with 1 Part water . 2 part Cement and 1 Part fine sand) injecting Grouling with cement slurry by admixing non- shrink grout, making PCC coving/ gola around at junction of vertical -horizontal surface. The vital technical parameters of the material shall be as under Chemical base acrylic based multipurpose.	180.61 Sqm.		Per square meter	
9	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	166.32 Sqm.		Per square meter	
10	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	7.27 Cum		Per Cubic Metre	
Conditions:-					Total

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

ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPMD, 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. :- 268650.00
 Earnest Money Rs. :- 5380.00
 Time:- One Month.

Name of work:- Restoration of rain damages at HP Secretariat Shimla. (SH:-C/O stairs and retaining wall to driver block from entrance of Phase-III.)

Sl. No.	Items of work	Quantity		Rate		Unit	Amount
		In figures	In words	In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.50m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.50m, including getting out the excavated soil and disposal of surplus excavated soil including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:- All kinds of soil.	32.08	Cum			Per cubic metre	
2	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	23.40	Sqm.			Per Square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	31.96	Cum			Per Cubic metre	
4	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 material within all leads and lifts as per direction of Engineer-in-charge.	4.65	Cum			Per Cubic metre	
5	Stone filling behind retaining wall per HP.PWD specification 1990 Volume - I including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	21.06	Cum			Per Cubic metre	
6	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	12.00	Rmt.			Per Running metre	
7	Disposal of earth / moorum / malba / building rubbish / similar un-survivable dismantled or waste materials by mechanical means including sorting out useful and un- useful material and transportation of the un-useful material for disposing at approved dumping site or otherwise and including payment of prescribed charges of dumping to the owner of dumping site (to be arranged by the contractor) for the satisfaction of Engineer- in -Charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and other incidentals necessary to complete the work by mechanical means and labour (if required) including disposal of all surplus un-useful materials at approved dumping site including all leads and lifts.	35.57	Cum			Per cubic metre	
Conditions:-						Total	

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

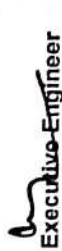
Executive Engineer
 Shimla Division No.III
 HP & W.D. Shimla-3.

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 343375.00
 Earnest Money Rs. :- 6870.00
 Time :- One Month

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing 15mm dia CP brass Sensor pillar tap with capstan head of Jeguar cat no. OPP150119 including carriage of materials in all lead and lifts.	6.00 No			Each	
2	Providing and fixing soap dispenser with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts, viking 500ml	28.00 No.			Each	
3	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 as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	26.04 Sqm.			Per square metre	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	691.20 Kg			Per kilogramme	
5	Providing and fixing bright finished brass 100mm Mortice latch and lock and a pair of levers, handles with necessary screws etc. complete (Indian make of approved quality) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. Godrej No. 6757.	5.00 No.			Each	
6	Providing and fixing Gogreg or equivalent make aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete including carriage of materials in all leads and lifts	15.00 No.			Each	
7	Providing and fixing 600mm X 20mm size C.P. Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:-ESS ESS Trend series AC-101.	7.00 No.			Each	
8	Providing and fixing C.P. brass toilet paper holder of ESS ESS make or equivalent with C.P. brass screws and plugs etc complete including carriage of materials within all leads and lifts :- ESS ESS Cat No. AC-506B.	3.00 No.			Each	
9	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts:- ESS ESS catalogue No. AC-403.	4.00 No.			Each	
10	Providing and fixing Health faucet fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232C.	5.00 No			Each	
11	Providing and fixing Curtain rod 25mm dia and 1.66mm thick (confirming to bureau of Indian standard) in single length with out any joint complete with farnal for curtains for sides of rod etc. including carriage of material within all leads and lifts:- fency Type curtain Rod.	32.00 Rmt.			Per Running metre.	
12	Providing and fixing Curtain brackets etc. fitting complete including carriage of material within all leads and lifts.	25.00 No.			Each	
13	Providing and fixing plastic seat (solid / Hollow type) and cover for wash down water closet with C.P. brass hinges and rubber buffers in coloured plastic seat and cover solid type including carriage of materials within all leads and lifts.	2.00 No.			Each	
14	Providing and fixing 15mm dia C.P. brass bib cock of jeguar cat No. COS-ESS 103037 with capstan head including carriage of materials within all leads and lifts.	10.00 No.			Each	

15	Providing and fixing Plythelene - Aluminium - Polyethylene (PE-AL-PE) composite pressure pipe U.V. stabilized with carbon black conforming to IS-15450-2004 water supply including clamp at one metre spacing, cutting, fixing and making good the wall etc. but excluding the cost of fittings (internal work) 1620 complete including carriage of materials in all leads and lifts.	60.00 Rmt		Per running metre
16	Providing and fixing 15mm dia brass tee of approved quality complete including carriage of materials in all leads and lifts.	6.00 No.		Each
17	Providing and fixing pump of 1.5hp capacity of Crompton of equivalent including all accessories/fittings as required to complete the job including carriage of materials within all leads and lifts.	1.00 No		Each
18	Providing and fixing 600mm X120mm Acrylic shelf with C.P. guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts :- ESS ESS Trend series AC-107.	4.00 No.		Each
Conditions:-				
i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.				
ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.				
Total				


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 99009.00
Earnest Money Rs. :- 1990.00

Time:- One Month.

Name of work:- **Special Repair to RKMV at Shimla (SH:- Cement Concrete work , Emulsion and steel painting Etc.)**

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:1½:3 (1 Cement: 1½ coarse sand) : 3 graded stone aggregate 20 mm nominal size)	11.23 Cum.			Per cubic metre	
2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work	55.16 Sqm			Per Square Metre	
3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade on Steel Based Surfaces :(i) One or more coats on old work	238.22 Sqm			Per Square Metre	
	Conditions:-				Total	

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

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

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

Executive Engineer
Shimla Division No.III
HP PWD, Shimla

SCHEDULE OF QUANTITY

Name of work: -Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Repair work in G-21, G-22, Guard room, E-110, windows of third floor gallery near control room and repair of damaged toilet in room G-16.)

Estimated Cost Rs. :- 341520.00
Earnest Money Rs. :- 6840.00
Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within all lead as per direction of Engineer - in-charge.	1.44 Cum			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level. 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts	0.25 Cum			Per cubic metre.	
3	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 level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	0.25 Cum			Per cubic metre.	
4	Providing and fixing 10mm thick digital vitrified tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in dado / skirting on a bed of 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)	11.86 Sqm			Per square metre.	
5	Providing and fixing 10mm thick digital vitrified tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)	1.26 Sqm			Per square metre.	
6	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	10.70 Sqm.			Per square metre	
7	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 material within all leads and lifts as per direction of Engineer-in-charge in sal wood.	0.34 Cum			Per cubic metre.	
8	Providing and fixing 19mm thick commercial board in shelves / box for cupboard with butt joints and fixing with nails and screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	2.16 Sqm			Per square metre	
9	Providing and fixing 19mm thick commercial board in Shutter for cupboard etc. including fixing with nickel plated piano Hinges with screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	3.03 Sqm			Per square metre	
10	Providing and fixing 12mm thick commercial ply of standard quality ISI mark and approved shade and colour in panelling / flooring / cup-board and wall lining including mirring at junctions, butt measured and paid for separately complete including carriage of material within all leads and lifts.	7.21 Sqm.			Per square metre.	
11	Providing and fixing 100mm thick coloured or plain high gloss lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	2.16 Sqm			Per Square metre	

12	Providing and fixing bright finished brass 100mm Mortice latch and lock and a pair of levers, handles with necessary screws etc. complete (Indian make of approved quality) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. Godrej No. 6757.	1.00 No.	Each
13	Providing and fixing 8mm thick glass with moulding and rounding complete including carriage of materials in all leads and lifts.	0.36 Sqm	Per square metre.
14	Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts.	5.00 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 in all leads and lifts. Triple strip vertical type.	4.00 No.	Each
16	Providing and fixing powder coated telescopic drawer channels 500 mm long with necessary screws etc. complete as per directions of Engineer-in-charge including carriage of materials in all leads and lifts.	2.00 No.	Each
17	Providing and fixing drawer lock of superior quality including fitting etc. complete including carriage of materials in all leads and lifts.	10.00 No.	Each
18	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	7.85 Sqm	Per square metre.
19	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts. 2nd class deodar wood.	5.48 Sqm	Per square metre.
20	Providing and fixing ACP sheet 6mm thick panel in lining on aluminium frame work etc. complete as per the architectural drawings and the directions of Engineer-in-charge including carriage of materials within all leads and lifts.	4.95 Sqm	Per square metre.
21	Providing and fixing 250mm x 16mm size anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials within all leads and lifts.	1.00 No.	Each
22	Providing and fixing 150mm size aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts.	25.00 No.	Each
23	Providing and fixing 150mm x 10mm size aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. including carriage of materials within all leads and lifts.	22.00 No.	Each
24	Providing and fixing bright finished brass hard drawn hooks and eyes 100mm size with necessary screws etc. complete including carriage of materials within all leads and lifts.	7.00 No.	Each
25	Providing and placing at site office chairs steel frame using 2" thick sleepwell (32 density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (sleepwell 40 density) size 21" X 22" X 4" complete in all respect including carriage of materials and as per the direction of the Engineer-in-Charge.	4.00 No.	Each

26	Providing and fixing anodised aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with raw/plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, milled and jointed mechanically where ever required including cloast angle, aluminium, snap boarding for glazing/panelling C.P. brass/ stainless steel screws. All complete as per architectural drawings and the directions of Engineer-in-Charge:- (i) For doors windows and ventilators and glazed partitions frames including carriage of material within all leads and lifts.	8.42 Kgs		Per Kilogramme
27	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.	165.07 Kg		Per Kilogramme
28	Providing and fixing bevelled edge mirror of size 600mm X 450mm of superior glass mounted on 6mm thick AC Sheet or ply wood sheet and fixed to wooden plugs with CP brass screws and washers etc. at site as directed by the Engineer-in-Charge complete including carriage of materials within all leads and lifts.	2.00 No		Each
29	Polishing two or more coats with malamine polish of required shade on wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler complete including carriage of materials in all leads and lifts.	109.26 Sqm		Per square metre
30	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand, shade and manufacture including carriage of material within all leads and lifts as per direction of Engineer-in-charge	195.82 Sqm		Per Square metre
31	Providing and fixing Pythelene - Aluminium - Polyethylene (PE-AL-PE) composite pressure pipe U.V. stabilized with carbon black conforming to IS-15450-2004 water supply including clamp at one metro spacing, cutting, fixing and making good the wall etc. but excluding the cost of fittings (internal work) 1620 complete including carriage of materials in all leads and lifts.	18.00 Rmt		Per running metre
32	Providing and fixing composite end seal compression fittings as per IS-15450-2004 for cold water supply e.g. tees, elbows, reducers, connectors, couplers and clamps with jointing testing and fittings complete including cutting and making good the walls etc complete including carriage of materials in all leads and lifts:- (i) 1620 dia Female elbow.	6.00 No.		Each
32.01	Female tee	6.00 No.		Each
32.02	equal elbow	6.00 No.		Each
32.03	equal tee	6.00 No.		Each
32.04	Male thread connector.	4.00 No.		Each
32.05	Straight compressor.	4.00 No.		Each
33	Providing and fixing 20 mm nominal bore ball valve (brass) of approved quality, 1 high or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	1.00 No		Each

34	Providing and fixing 15mm dia C.P. brass bib cock with capstan head including carriage of materials within all leads and lifts:- Ess Ess T-103	1.00 No.		Each
35	Providing and fixing C.P. brass angle cock 15mm nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112.	6.00 No.		Each
36	Providing and fixing 550mm X 400mm Flat back vitreous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting complete:- Hindware cat No. 10103 complete set with pedestal Cat No. 11032 (star white) including carriage of materials within all leads and lifts.	1.00 No		Each
37	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	1.00 No.		Each
38	Providing and fixing vitreous China wash down water closet (European type W.C. pan) with integral P or S trap along with seat cover including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) including carriage of materials within all leads and lifts :- Complete set of Hindware OPS ELBA Cat No.92540(S-30)	1.00 No		Each
39	Providing and fixing Health faucet hook and pipe fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232Y.	1.00 No		Each
40	Providing and fixing PVC Finolex floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i)110mm X 90mm size.	2.00 No.		Each
41	Providing and fixing 110mm dia 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.	6.00 Rmt		Per Running metre
42	Providing and fixing 110mm dia PVC (Finolex) door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	1.00 No.		Each
43	Providing and fixing 110mm dia 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.	4.00 No.		Each
44	Providing and fixing 110mm dia PVC (finolex) collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	2.00 No.		Each
45	Providing and fixing 110mm dia PVC(finolex) plain single equal branch with oval access door, insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	1.00 No.		Each
46	Providing and fixing 60/ 45cms length 15mm nominal bore, PVC connection pipe with washers and union etc. complete including carriage of materials within all leads and lifts.	5.00 No.		Each
47	Providing and fixing 100mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	2.00 No.		Each
48	Providing and fixing 32mm nominal bore C.P waste coupling of approved quality and colour including carriage of materials within all leads and lifts Ess Ess Cat No C-230	1.00 No.		Each
49	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No.		Each
50	Providing and fixing C.P. brass toilet paper holder complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	1.00 No.		Each

51	Providing and fixing 600mm X 20mm size C.P. Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. screws including carriage of materials within all loads and lifts:-ESS Trend series AC-101.	2.00 No.		Each
52	Providing and fixing soap dispenser with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all loads and lifts viking 500ml	1.00 No.		Each
53	Providing and fixing 15mm dia single lever basin mixer with out pop up waste with 450mm long braided hoses including connection fitting in all respect complete including carriage of materials within all loads and lifts:- Ess Ess Cat No. T-118.	1.00 No.		Each
54	Providing and fixing 600mm X120mm Acrylic shelf with C.P. guard rail complete, fixed to wooden plugs with C.P. brass screws complete including carriage of materials within all loads and lifts as per direction of Engineer-in-charge :- ESS ESS Trend series AC-307.	1.00 No.		Each
55	Providing and fixing C.P. Brass extension nipple of 15mm nominal dia and required size of approved make and quality conforming to IS standards complete including carriage of materials within all loads and lifts.	14.00 No.		Each
Conditions:-				Total

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

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

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

SCHEDULE OF QUANTITY

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:- Providing & fixing Cupboards in set No. T-II/159,162, F-II/170, Royal hotel 1/6 etc) at Nabha Estate Shimla.

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

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	16.57 Sqm.			Per square metre.	
2	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	55.32 Sqm.			Per square metre.	
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	29.56 Sqm.			Per square metre.	
4	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	120.00 Rmt.			Per running metre.	
5	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	54.00 No.			Each	
5	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	55.00 No.			Each	
7	Providing and fixing 6mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	16.57 Sqm.			Per Square metre	
8	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials in all leads and lifts.	103.20 Sqm.			Per square meter	
9	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	103.20 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

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

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

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Sl. No.	Name of work: -A/R and M/O Armsdale Building at HP Secretariat Shimla-2. (SH: -Providing and layIn sewerage line in entry point and construction of manhole etc.)	Earnest Money/ Rs. :-	Time:- One Month
		4670 00	

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.

Page 1 of 1

SCHEDULE OF QUANTITY

Estimated cost:- 351183.00
Earnest Money:- 7020.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Repair of Toilets in Benmore-3,6 and 8 at Benmore Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	6.40 Sqm			Per square metre	
2	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.	6.40 Sqm			Per Square metre	
3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood.	0.51 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.	2127.68 kg			Per kilogramme	
5	Providing and fixing vitreous China 2043 One Piece EWC S Concealed 660 x 365 x 765 mm 2343 Soft Close Seat Cover 2243 Twin Flush Fittings including carriage of materials within all leads and lifts:-	1.00 No			Each	
6	Providing and fixing Hindware vitreous China wash down, water closet (European type. W.C. pan) including 10 litre capacity low level flushing cistern with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1(1 cement : 1 sand) (Seat and over to be measured and paid for separately):- including carriage of materials within all leads and lifts.	1.00 No			Each	
7	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	
8	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 an lifts :- a)110 mm X 90 mm nominal diametre.	1.00 No			Each	
9	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion :-Shoe (Plain) 110mm Shoe	4.80 No.			Each	

10	Providing and fixing PVC (Finolex) door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete. Including carriage of materials within all leads and lifts. (i) 110 mm nominal size.	1.00 No.			Each	
11	Providing and fixing PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110mm nominal size.	1.00 No.			Each	
12	Providing and fixing PVC (Finolex) single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110mm nominal size.	1.00 No			Each	
13	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts	2.00 No.			Each	
14	Providing and fixing PVC connection pipe with brass union including carriage of materials within all leads and lifts :-600mm length :-15mm nominal bore.	2.00 No			Each	
15	Providing & Fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore of approved brand at store of vidhan Sabha section including carriage of materials within all leads and lifts.	2.00 No.			Each	
16	Providing and fixing Health faucet including fittings etc. complete including carriage of materials within all leads and lifts.	1.00 No			Each	
17	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.	89.05 Sqm.			Per square metre.	
18	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	89.05 Sqm			Per square metre	
19	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.	296.83 Sqm			Per square metre	
20	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	20.16 Sqm			Per square metre.	
21	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	20.16 Sqm			Per square metre	
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.	150.41 Sqm			Per square metre	
23	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	23.10 Sqm			Per square metre	
24	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. one or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.	59.80 Sqm			Per square metre	

5	Precast plain chequered tiles hydraulic compressed 22 mm thick laid in floors, treads of steps and landings on a bed of 25 mm average thickness of cement mortar 1:6 (1 cement :6 sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) complete with tiles of medium shades including carriage of materials within all leads and lifts. (N.T.C make)	7.50 Sqm.			Per square metre.
					Total

CONDITION

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

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

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

SCHEDULE OF QUANTITY

18

Estimated cost:- 384698.00
 Earnest Money:- 7700.00
 Time :- One Month.

Name of work:-S/R to Old M.L.A Qtrs near Boileaugang. (SH:- Widening of Path leading to Old MLA qtrs to Block G and F. at RD Km 0/195 to RD0/270)							
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.	711.91	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 owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	270.52	Cum			Per cubic metre	
	Condition:-						
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						
	Credit for useful stone 35.60cum @ Rs500/cum						

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

SCHEDULE OF QUANTITY

Estimated cost:- 141430.00
Earnest Money:- 2830.00
Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:-Repair of steel work in Benmore-2 at shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	681.00 Kg			Per Kilogramme	
2	Providing and fixing polycarbonatd transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	31.49 Sqm.			Per Square metre	
3	Providing and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts:-Plain Glass. 4mm thick	7.64 Sqm.			Per square metre.	
4	Painting steel work with synthetic enamel paint of approved brand and manufacture to give an even shade :one or more coats on new work. including carriage of materials within all leads and lifts.	70.45 Sqm.			Per square metre.	
5	Providing and fixing oxidised M.S. tower bolts (barrel type) with necessary screws etc. complete 100x10 mm including carriage of materials in all leads and lifts.	4.00 No.			Each	
6	Providing and fixing oxidised M.S. handle (barrel type) with necessary screws etc. complete 100x10 mm including carriage of materials in all leads and lifts.	2.00 No.			Each	
					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
Xu

SCHEDULE OF QUANTITY

Estimated Cost 389805.00
Earnest Money 7800.00
Time:- one month.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:-Laying of 150mm dia sewerline in Old MLA QTR from block F to M.C chamber at road and construction of manhole etc. near Bolleugan] crossing 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 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.	48.26 Cum.			Per cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	10.05 Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	3.70 Cum.			Per cubic metre.	
4	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	159.35 Rmtr			Per running metre.	
5	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:-150 mm dia.	28.00 No.			Each	
6	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	7.00 No.			Each	
7	Providing and fixing PVC Type B offset 45 degree ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts.	22.00 No.			Each.	
8	Providing and fixing PVC Finolex Type B single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	3.00 No.			Each.	
9	Providing and fixing PVC Type B door bend with oval acces door, Insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	3.00 No.			Each.	
10	Providing and fixing PVC (Finolex) reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm X 110mm dia.	1.00 No.			Each.	

11	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 80cm x 80cm 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.	6.00 No			Each
12	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.	38.61 Cum			Per cubic metre
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 pipe 100 to 250mm diameter.	2.00 No.			Each
Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.					

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


SCHEDULE OF QUANTITY

Estimated cost:- 146858.00
Earnest Money:- 2940.00
Time :- One Month.

Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:- Repair of cupboard, painting and distemper etc in set no.4 of block A type IV at Richmond Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Providing and fixing commercial plywood lining with butt jointing and nails (fram work and cover filelets to be measured and paid for separately) including carriage of material within all leads and lifts. :- 6 mm thick.	19.07	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.	13.11	Sqm.		Per square metre.	
3	Providing and fixing 19mm thick water proof 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	37.32	Sqm.		Per square metre.	
4	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.	13.11	Sqm		Per square metre	
5	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials within all leads and lifts.100 mm size.	24.00	No		Each.	
6	Providing and fixing magnetic catcher with necessary screws etc. completed including carriage of materials within all leads and lifts.	24.00	No		Each	
7	Providing and fixing hard wood square edges cover filelets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	62.72	Rmt.		Per running metre.	
8	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 matyerial in all leads and lifts.	38.41	Sqm.		Per square metre.	
9	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.old work.	192.07	Sqm.		Per square metre.	
10	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	137.77	Sqm		Per square metre	
11	Painting on wood work with Deluxe Multi Surface Paint of required shade. Two or more coat on new wood applied of approved brand and manufacture	99.36	Sqm.		Per square metre.	
12	Painting wood work with Deluxe Multi Surface Paint of required shade. one or more coat on old work applied of approved brand and manufacture	238.17	Sqm.		Per square metre.	
13	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.,Make Cera or Hindware	1.00	No.		Each	
14	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	

5	Providing and fixing .PVC. connection pipe with brass union including carriage of materials within all leads and lifts :-300/450mm length :-15mm nominal bore.	2.00	No.		Each	Total
CONDITION						

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


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 237200.00
 Earnest Money Rs. :- 4750.00
 Time:- One Month.

Name of work:- Special repair to Ellerslie Building at HP Secretariat Shimla. (SH:- Ro-stuffing of sofa and office chairs in CM office.)

Sr. No.	Description of Items.	Quantity	Ratio	Unit	Amount
1	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (steepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:- Three seater Sofa set.	3.00 No.		Each	
2	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (steepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:-Single seater Sofa set.	2.00 No.		Each	
3	Up holstering / re-stuffing of sofa set using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (steepwell 40 density) size 21" X 22" X 4" complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge:-Single seater Sofa set.	19.00 No.		Each	
4	Up holstering / re-stuffing of office chairs using 2" thick sleepwell (32density) with superior quality foam sheet in seats and back fixing padding with coir and latex with superior quality tapestry cloth in proper position including cost of and stitching materials and seats of (steepwell 40 density) size 21" X 22" X 4" complete as per H.P. P.W.D. specifications in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	21.00 No.		Each	
Conditions:-				Total	

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

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

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

SCHEDULE OF QUANTITY

(23)

Estimated Cost Rs. :- 499840.00
Earnest Money Rs. :- 10000.00
Time:- One Month.

Name of work:- Special Repair to Armsdale Building at H.P. Secretariat Chotta Shimla. (SH):- Providing and fixing Curtains with lining in Room No.103, 105 to 111, 114, 120, 322, 401 and 618.)

Sl. No.	Items of work	Quantity	Rate	Unit	Amount
1	Providing and fixing curtain of superior quality cloth as per approved sample of D-Decor make 500gsm including quality of cloth, design and shade etc. of specified length and standard width 48" including stitching complete in all respect and as per the direction of the Engineer in Charge having following sizes:- Stitched Curtain having length 2.00 metres to 2.40 metres with lining cloth.	88.00 No		Each	
1.01	Stitched Curtain having length 1.80metres to 1.90 metres with lining cloth.	112.00 No		Each	
	Conditions:-			Total	

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. 217959.00
Earnest Money Rs. 4360.00

Time:- one month.

Name of Work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:- construction of manhole, laying of sewer pipeline in OLD MLA Qtrs backside of block C near boleuganj crossing 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 in dressing trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	24.04 Cum.			Per cubic metre.	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	3.14 Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.	8.04 Cum.			Per cubic metre.	
4	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	102.55 Rmtr			Per running metre.	
5	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:-110 mm dia.	42.00 No.			Each	
6	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	12.00 No.			Each	
7	Providing and fixing PVC Finolex Type B off set (45 degree) ISI marked including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts:-110mm dia	20.00 No.			Each.	
8	Providing and fixing PVC Finolex Type B single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	12.00 No.			Each.	
9	Providing and fixing PVC Finolex Type B door bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	4.00 No.			Each.	
10	Providing and fixing PVC Finolex Type B single equal branch with oval Access, insertion washer 3mm ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	10.00 No.			Each	
11	Providing and fixing 110mm dia PVC Finolex '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.	4.00 No			Each	
12	Providing and fixing PVC (Finolex) reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm X 110mm dia.	4.00 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 : 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 80cmx60 cm and 100cm 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	2.00 No			Each	
14	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.	21.75 Cum			Per cubic metre	
15	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 pipe 100 to 250mm diameter.	25.00 No.			Each	
Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

Executive Engineer,
Shimla Division No. III,
HP. PWD. Shimla-3.
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Estimated cost:-
Earnest Money:-
Time :-

SCHEDULE OF QUANTITY

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH):-Repair of block No. N-II of set No. 104 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (1/c equivalent design mix) including carriage of materials within all leads and lifts.	0.31 Cum			Per cubic meter	
2	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.	19.32 Sqm			Per square meter	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in-charge In Foundation and plinth.	0.31 Cum			Per cubic metre.	
4	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Area of slab over 0.50 sqm including carriage of materials within all leads and lifts.	3.01 Sqm.			Per square metre.	
5	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 chillral wood.	0.059 Cum			Per cubic metre	
6	Providing and fixing 6 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	8.95 Sqm.			Per Square metre	
7	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated plano hinges with screws etc complete) including carriage of materials within all leads and lifts	13.23 Sqm.			Per square metre.	
8	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	10.61 Sqm.			Per square metre.	
9	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.	14.22 Sqm.			Per square metre.	
10	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	26.05 Rmt.			Per running metre.	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1866) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	34.00 No.			Each	
12	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.	34.00 No.			Each	
13	Providing and fixing 1st quality size 300x450mm ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. including carriage of materials within all leads and lifts.	22.80 Sqm.			Per square meter	

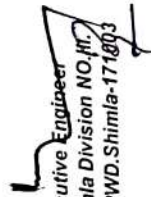
14	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15022, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with 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.	3.06 Sqm			Per square meter
15	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.	15.68 Sqm			Per square meter
16	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.	56.99 Sqm			Per square meter
17	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.	41.31 Sqm			Per square meter
18	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.	78.41 Sqm.			Per square meter
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :- Two or more coats on new work including carriage of materials and as per the direction of the Engineer-in-Charge.	87.99 Sqm			Per square meter
20	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete 20 mm dia including carriage of materials within all leads and lifts.	8.70 Rmt.			Per running meter
21	Providing and fixing vitreous China wash down, water closet (European type, W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 sand) (Seat and over to be measured and paid for separately):-Anglo Indian Universal closet 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 including carriage of materials in all leads and lifts.	1.00 No.			Each
23	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.	1.00 No.			Each
24	Providing and fixing wash basin with C.I. or M.S. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps including carriage of materials within all leads and lifts.	1.00 No.			Each
25	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
26	Providing and fixing 15mm basin mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts.	1.00 No.			Each
27	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
28	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	4.00 No.			Each
29	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia nominal bore including carriage of materials in all leads and lifts.	18.00 Rmt			Per running metre
30	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931 15 mm nominal bore including carriage of materials in all leads and lifts.	8.00 No.			Each

31	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts.	8.00 No.	Each	
32	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00 No.	Each	
33	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms including carriage of materials within all leads and lifts.	2.00 No.	Each	
34	Providing and fixing uplasticsed PVC connection pipe with brass unions 30 cm length 15 mm nominal bore including carriage of materials within all leads and lifts.	5.00 No.	Each	
CONDITION:-			Total:-	

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

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

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


Executive Engineer
Shimla Division NO.11.7
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

26

Estimated Cost Rs. :- 60258.00
Earnest Money Rs. :- 1210.00

Time:- One Month.

Name of work: - Special Repair to Medical College at IGMC Shimla. (SH: - Dismantling work, Paneling, Flooring, Cupboard and Painting etc. in Room No. 406 C etc.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
		In figures	In words				
1	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all leads and lifts including carriage of materials (wooden/concrete joists to be measured and paid for separately) for thickness of tiles upto 25mm.	11.52	Sqm.			Per Square metre	
2	Providing wood work in frames of false ceiling partitions etc. sawn and put-up in position complete including carriage of materials within all leads and lifts in Chil/ Rai wood.	0.081	Cum			Per Cubic metre	
3	Providing and fixing 9mm thick water proof kit ply of standard quality ISI mark and approved shade and colour in panelling and wall lining including mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) including cost of materials complete in all leads and lifts as per the direction of the Engineer-in-Charge.	11.52	Sqm			Per square metre	
4	Providing and fixing 12mm thick imported pine wood ceiling/ panneling/ 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.	10.32	Sqm			Per square metre.	
5	Providing and fixing 19mm thick commercial board in shelves/ box for cup board with butt joints and fixing with nails and screws etc complete) including carriage of materials within all leads and lifts	2.75	Sqm.			Per square metre.	
6	Providing and fixing 19mm thick Commercial Board shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	1.20	Sqm.			Per square metre.	
7	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	1.20	Sqm.			Per square metre.	
8	Providing and fixing plain square edged cover fillets (beading) 19mm X 6mm section including mitring at junction with wooden screws /nails etc. complete in hard wood including carriage of materials within all leads and lifts.	5.50	Rmt			Per running metre.	
9	Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	2.00	No			Each	
10	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	2.00	No			Each	
11	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	

	12	Providing and fixing one hole basin mixing Faucet fitting complete including carriage of materials within all leads and lifts.	1.00 No.		Each
	13	Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of L.G. make or equivalent plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	13.25 Sqm		Per square metre
	14	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work	39.01 Sqm.		Per square metre.
	15	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	5.82 Sqm		Per square metre
	16	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	5.82 Sqm.		Per square metre
	17	Painting with synthetic enamel paint on wood of approved brand and manufacture of required colour to give an even shade one or more coats including carriage of materials within all leads and lifts.	3.69 Sqm.		Per square metre.
		Conditions:-			Total

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

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

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

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



SCHEDULE OF QUANTITY

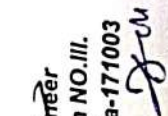
Estimated cost:- 393782.00
Earnest Money:- 7880.00
Time :- One Month.

Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:-Repair of flooring, wood work, painting and distemper, in set no .1-2 of block no 23 and set no 7 of block no.24 at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	9.91 Cum			Per cubic metre.	
2	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials within all leads (wooden/concrete joists to be measured and paid for separately) For all thickness of tiles 25mm and upto 40mm including carriage of materials in all leads and lifts.	42.81 Sqm.			Per square metre.	
3	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	0.25 Cum			Per Cubic metre	
4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	91.20 Sqm			Per square metre	
5	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead :including carriage of materials within all leads and lifts.Of area 3 sq. metres and below	6.00 No			Each	
6	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.	5.49 Cum			Per Cubic metre	
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size).	4.36 cum			Per Cubic metre	
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	0.25 Cum			Per Cubic meter	
9	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.	3.08 Sqm.			Per square metre.	
10	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover filets to be measured and paid for separately including complete including carriage of material in all leads and lifts	35.70 Sqm.			Per square metre.	
11	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	11.28 Sqm.			Per square metre.	
12	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	28.72 Sqm.			Per square metre.	
13	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.	15.35 Sqm.			Per square metre.	

14	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including milring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	44.85	Rmt.		Per Running Metre.
15	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.	0.113	Cum		Per cubic metre
16	Providing wood work in frames of false ceiling partitions etc. sawn and put-up in position complete including carriage of materials within all leads and lifts in 2nd class Deodar wood.	0.125	Cum		Per Cubic metre
17	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.	4.74	Sqm		Per square metre
18	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials within all leads and lifts. 30 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class Deodar wood.	3.30	Sqm		Per square metre
19	Providing and fixing anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete. 250x16mm	4.00	No		Each
20	Providing and fixing aluminium tower bolts (Barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts. (I) 150 X 10 mm size.	18.00	No		Each
21	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials within all leads and lifts. 125 mm size.	20.00	No.		Each.
21.01	100 mm size.	27.00	No.		Each.
22	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).	12.00	No		Each
23	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	57.40	Sqm.		Per square metre.
24	Providing and laying Vitrified tiles in floor with 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, 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). 11.49.2 Size of Tile 600x600 mm. including carriage of materials within all leads and lifts	45.35	Sqm.		Per square metre.
25	15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.	91.20	Sqm.		Per square metre.
26	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.	10.12	Sqm.		Per square metre.
27	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.	91.20	Sqm.		Per square metre.
28	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	208.47	Sqm		Per square metre

29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	20.79 Sqm.			Per square metre
30	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture. Including carriage of materials in all leads and lifts.	127.94 Sqm.			Per square metre
CONDITION					
Rates should be quoted for all heights including all leads and lifts for internal and external works.					
Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.					


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 385450.00
Earnest Money Rs. :- 7710.00
Time:- One Month.

Name of work: -S/R to Kamla Nehru Hospital Shimla(SH:- Polishing work in MS office, Painting and Distemping work out side of Campus Area.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Polishing One or more coats with malamine polish of required shade on old work and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts. One or more coats on new works including a coat of wood filler	148.80 Sqm			Per Square Metre	
2	Painting with synthetic enamel paint on wood and Wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	1487.31 Sqm			Per square meter	
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	673.38 Sqm			Per Square Metre	
4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade (i) Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	1114.39 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.	357.55 Sqm.			Per Square Metre	
6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	357.55 Sqm			Per Square Metre	
7	Providing Scaffolding for all kind of works in Multistory Building up to all floor high/ levels Bamboo complete tiled with rope on joints and 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.	230.34 Sqm			per square meter	

8	Providing and fixing 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 complete in all respects as directed by the Engineer-in-charge including cartage of materials in all leads and lifts.	104.91 Sqm				Per Square Metre	
	Conditions:-					Total	

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

ii Useful materials will be handed over to the Assistant Engineer, 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

29

Estimated Cost Rs. :- 473691.00
Earnest Money Rs. :- 9480.00

Time:- Four Month.

Name of work: -A/R and M/O Various Residential buildings under Division no. III Shimla (SH:- Cleaning of door windows, sweepings, mopping and cleaning of toilets etc in Nirman Bhawan Nigam Vihar Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Cleaning of doors, windows, sweeping, mopping and cleaning of toilets. All as per direction of Engineer-in Charge.(For four month)	12802.46 Sqm.			Per square metre	
	Conditions:-				Total	

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

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

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

Executive Engineer
Shimla Division No.III
HP PWD. Shimla

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 212488.00
Earnest Money Rs. :- 4250.00

Time:- One Month.

Name of work: -S/R to Kamla Nehru Hospital Shimla(SH:- Painting and Distemper work in Canteen, Demolition work,, Brick work, Plaster work in Sterilizer room)

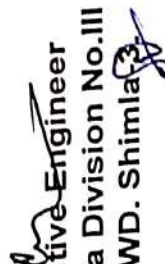
Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Painting with synthetic enamel paint on wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	710.79 Sqm			Per square meter	
2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade (i) Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	895.04 Sqm			Per Square Metre	
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar	1.92 Cum			Per Cubic Metre	
4	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : (i) For Fixed Portion (a) - Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	15.00 Kg.			Per Kilogram	
5	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	28.80 Kg.			Per Kilogram	

6	Providing and fixing 12 mm 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 and directions of engineer-in-charge.(i) Pre-laminated particle board with decorative lamination on both sides	2.52 Sqm	Per square meter	
7	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)	2.16 Cum	Per Cubic Metre	
8	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)	69.64 Sqm.	Per Square Metre	
9	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.	642.33 Sqm.	Per Square Metre	
10	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.	642.33 Sqm	Per Square Metre	
	Conditions:-		Total	

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

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

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


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 319208.00
Earnest Money Rs. :- 6390.00

Time:- One Month.

Name of work:- Special repair to Govt Dental College at IGMC, Shimla (SH:-
Vitrified tiles, Painting, Distemping and Sanitary fittings etc. in First floor)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge. (i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3.110 Cum			Per cubic meter	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead:- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	56.42 Sqm			Per square meter	
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 including carriage of materials in all leads and lifts. (i) In cement mortar	0.17 Cum			Per Cubic Metre	
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	3.00 No.			Each	
5	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (i) Size of Tile 600x600 mmx8mm	20.73 Sqm			Per square meter	
6	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. (i) Size of Tile 600x600 mm	56.42 Sqm			Per square meter	

7	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, milled and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) including carriage of materials within all leads and lifts.	43.33 Kg.			Per Kilogram	
8	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC-15) including carriage of materials within all leads and lifts.	31.00 Kg.			Per Kilogram	
9	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):(i) With float glass panes of 5.00 mm thickness weight not less than 12.50 kg / sqm	3.12 Sqm			Per Square Metre	
10	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides complete including carriage of materials in all leads and lifts.	1.56 Sqm			Per Square Metre	
11	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	3.00 No			Each	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : (i) 200x10mm	6.00 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 : (i) 125mm	6.00 No			Each	
14	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.	5.02 Sqm.			Per square metre	
15	Painting with synthetic enamel paint on wood and Wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	2.45 Sqm			Per square meter	

16	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade.(i)One or more coats on old work		51.90	Sqm			Per Square Metre	
17	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	2.00	No.				Each	
18	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 complete including carriage of materials within all leads and lifts.	1.00	No.				Each	
19	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550mm x 400mm with a pair of 15 mm C.P. brass pillar taps.	2.00	No.				Each	
20	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.including carriage of materials within all leads and lifts.	2.00	No.				Each	
21	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	10.00	No.				Each	
22	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	6.00	No.				Each	
23	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	No.				Each	
24	Providing and fixing CP. Brass toilet Paper Holder with fittings including carriage of materials within all leads and lifts.	3.00	No.				Each	
25	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	2.00	No.				Each	
26	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) 15 mm nominal bore	5.00	No.				Each	
27	Providing and fixing CP. brass stop cock of approved quality :(i) 15 mm nominal bore	6.00	No.				Each	
28	Providing and fixing uplasticised PVC connection pipe with brass unions :(a)45 cm length (i) 15 mm nominal bore	6.00	No.				Each	
29	Providing and fixing 15 mm nominal bore G.I. Pipes with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall	18.70	Rmt				Per Running Metre	

30	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts. :- 15mm nominal bore	9.00 Nos.			Each
31	Providing and fixing PVC floor trap of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete. 110 mm X 90 mm.	3.00 Nos.			Each
32	Providing and fixing on wall face PVC Finolex type-B spigot, socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 150mm Dia	9.60 Rmt			Per Running Metre
33	Providing and fixing on wall face PVC Finolex type-B spigot, socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 110mm Dia	18.30 Rmt			Per Running Metre
34	Providing and fixing Collar joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 150mm Dia	5.00 Nos.			Each
35	Providing and fixing Collar joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 110mm Dia	8.00 Nos.			Each
36	Providing and fixing PVC Finolex single equal branch (a) with oval access door, ISI marked insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110mm Dia	3.00 Nos.			Each
37	Providing and fixing PVC Finolex single equal branch Plain complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 150mm Dia	3.00 Nos.			Each
38	Providing and fixing PVC Finolex single equal branch Plain complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm Dia	6.00 Nos.			Each
39	Providing and fixing PVC Finolex plain bend ISI marked complete including filling the joints with approved adhesive complete including carriage of materials within all leads and lifts. (i) 150mm Dia	3.00 Nos.			Each
40	Providing and fixing PVC Finolex plain bend ISI marked complete including filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 110mm Dia	6.00 Nos.			Each
41	Providing and laying waterproofing treatment with five coats of Polymer Shalcrete @ 0.30Kg./Sq.mtr. (1 Part shalcrete 0.55 Part Cement) Coating by stand Wicking fiber mesh over one Coat of polymer primer coat of shalcrete @ 0.20 Kf/Sq. Mtr. (1 Part Shalcrete, 8 part water, 2 Part cement) Followed by cleaning the surface thoroughly, repairing the damaged surface and Cracks with polymer mortar @ 0.16 Kg./ Bag of cement (1 Part Shalcrete diluted with 1 Part water . 2 part Cement and 1 Part fine sand) injecting Grouting with cement slurry by admixing non- shrink grout, making PCC coving/ gola around at junction of vertical -horizontal surface. The vital technical parameters of the material shall be as under Chemical base acrylic based multipurpose.	55.03 Sqm.			Per square metre

42	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means along with its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	6.10 Cum		Per Cubic Metre	
	Conditions:-				Total

i

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

ii

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

iii

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 441244.00
Earnest Money Rs. :- 8830.00
Time:- One Month.

(92)

Name of work: -S/R to Kamla Nehru Hospital Shimla(SH:- steel work roofing work, Painting and Distemper work for Counters and Gumpity for Security Guards in MS. Office.)

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.	3247.99 Kg			Per kilogramme	
2	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	21.76 Sqm			Per Square Metre	
3	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :(!) Ridges plain (500 - 600mm)	6.80 Sqm			Per square meter	
4	Providing and fixing M.S black sheet 2mm thick fascia /soffits/ eaves board /ceiling fixed with angle iron frame including cutting, welding to steel roof members and applying a coat of red lead primer etc. (base members of steel work shall be measured and paid for separately)	29.44 Sqm.			Per Square Metre	
5	Painting with synthetic enamel paint on steel 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.	58.88 Sqm			Per square meter	
	Conditions:-				Total	

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

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 381668.00
Earnest Money:- 7630.00

Time :- One Month.

Name of work:- A/R and M/O non residential buildings under division no III shimla. (SH:- Painting and distempering inside and outside in council chamber building at Vidhan Sabha Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Removing dry or oil bound distemper water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.	556.79 Sqm.			Per square metre.	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	556.79 Sqm			Per square metre	
3	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.	3974.84 Sqm			Per square metre	
4	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.	9.05 Sqm			Per square metre.	
5	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.	9.05 Sqm			Per square metre	
6	Painting wood work with Deluxe Multi Surface Paint of required shade. one or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	537.66 Sqm			Per square metre	
7	Finishing walls with Acrylic Smooth exterior paint of required shade complete including carriage of materials within all leads and lifts:- Old work (One or more coat) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	864.53 Sqm			Per square metre	
8	Painting steel work with Deluxe Multi Surface Paint of required shade. one or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	52.71 Sqm			Per square metre	
9	1.5 mm thick pvc/rubber tiles flooring of approved brand plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	18.36 Sqm.			Per square metre.	
	Condition:-					

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 391748.00

Earnest Money:- 7830.00

Time :- One Month.

Name of work:- Restoration of rain damages of various roads under division no III Shimla (SH):- Construction of PCC breast wall at R0/00 to R0/018

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	24.48		Cum.	Per cubic metre.	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, filets, 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.)	62.25		Cum	Per Cubic metre	
3	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	5.67		Cum	Per Cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	55.68		Rmt.	Per Running metre	
5	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.	24.48		Cum	Per cubic metre	
6	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses filets, kerbs and steps etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	37.8		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.

Draft schedule of quantity No.

For the year 2022-23 duly

approved for Rs.3,91,748/- only.

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

SCHEDULE OF QUANTITY

Estimated cost:- 286293.00
Earnest Money:- 5730.00
Time :- One Month.

Name of work:-A/R and M/O various residential buildings under division no III Shimla. (SH:-Repair of Garrage No.3 for block no.1 set no.12 at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount
			In Figures.	In Words		
1	2	3	4	5	6	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	Cum.			Per cubic metre.	
2	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts:- In Foundation and plinth	Cum.			Per cubic metre.	
3	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete including carriage of materials within all leads and lifts:- Hot finished welded type tubes.	Kg.			Per kilogramme metre.	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer 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.	Kg			Per Kilogramme	
5	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.	Cum			Per Cubic metre	
6	Providing and fixing precast galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm.			Per square metre.	

CONDITION

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 360192.00

Earnest Money:- 7200.00

Time :- One Month.

Name of work:- Restoration of rain damages of various roads under division no III Shimla (SH):- Re-grading of peterholf road at RD.Km 0/00 to 0/040.

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.	358.40	Cum		Per cubic metre.	
2	Disposal of excavated earth, Dismantling materials & sludge by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	358.40	Cum		Per cubic metre.	
	Condition:-					

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

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

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

Khamra.

(25)

SCHEDULE OF QUANTITY

Estimated cost:- 53510.00
 Earnest Money:- 1100.00
 Time :- One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Misc. items attached to winterfield Annexy above LA Office) at Winterfield Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing curtains of superior quality cloth as per approved sample including quality of cloth design and shade etc. of specified length and standard with (48") including stitching with curtain tape and eyelet curtains rings eight number in each curtains complete in all respect as per the direction of Engineer in Charge including carriage of materials in all leads and lifts. Stiche Curtain having length 2.10 to 2.40 mtrs.	4.00 No.			Each	
2	Providing and fixing Zebra blinds of superior quality as per approved shade, colour of approved sample and heavy quality top rail complete in all respect as per the direction of Engineer in Charge including carriage of materials in all leads and lifts	6.30 Sqm.			Per square metre.	
3	Providing and fixing at site rubber base Carpet Door Matt of approved colour & shade of superior quality as per the direction of Engineer in Charge including carriage of materials in all leads and lifts.	63.40 Sft.			Per Square feet.	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 250611.00
Earnest Money:- 5050.00
Time :- One Month

Name of work:- Restoration of rain damages to winterfield complex (SH)-Construction of retaining wall behind Drawing branch of Division No. III) at winterfield Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Cutting in earth work in all heights/depths and in all kinds of soil such as kankar, moorum, shingle and decomposed or soft rock and hard rock including their intermediate classification and chiselling / wedging out rock where blasting is prohibited including saturated soil and filling in embankment etc., where necessary and disposal of all excavated un serviceable materials in all leads and lifts including through mechanical transportation, the disposal of unserviceable materials will be done in acquired width of the road or on approved dumping site	23.63 Cum			Per cubic meter	
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 All kinds of soil including carriage of materials within all leads and lifts.	3.24 Cum			Per cubic meter	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	1.62 Cum			Per Cubic meter	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer-in-charge In Foundation and plinth	31.68 Cum			Per cubic metre.	
5	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. including carriage of materials within all leads and lifts.	42.00 Sqm			Per square meter	
6	Stone filling behind retaining wall per HP.PWD specification 1990 Volume - I and as per direction of the Engineer-in-charge.	24.30 Cum			Per square meter	
7	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	19.20 Rmtl.			Per Running meter	
8	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.	23.63 Cum			Per cubic meter	
CONDITION:-						
Total:-						

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

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

SCHEDULE OF QUANTITY

Estimated cost- 399810.00
Earnest Money:- 8000.00
Time :- One Month.

Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:-Repair of roofing in Block no.30 backside at U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit	Amount
			In Figures.	In Words		
1	2	3	4	5	6	
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet including carriage of materials within all leads and lifts	185.35 Sqm			Per square metre	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1229.40 Sqm			Per square metre	
3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	185.35 Sqm			Per square metre	
4	Providing ridges or hips 60 cm over all in plain G.I. sheet with galvanised iron J or L hooks. bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete including carriage of materials within all leads and lifts. 0.63 mm thick sheet	31.00 Rmt			Per running metre	

CONDITION

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

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

Credit for useful doors/windows = 185.35 @ 165 Shall be charged from contractor.


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

SCHEDULE OF QUANTITY

Estimated cost:- 468871.00
Earnest Money:- 9400.00
Time :- One Month

Name of work:-Special repair to Castle groove building at Boileauganj under CMO DDUZ hospital Shimla. (SH:-Repair/renovation of toilets & construction of retaining wall etc)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge in cement mortar including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	1.44 Cum			Per Cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	3.05 Cum			Per Cubic meter	
3	Centering and shuttering including strutting, propping etc. and removal of form for lintels, beams, plinth beams, girders, bressumers and cantilevers including carriage of materials within all leads and lifts.	6.14 Sqm.			Per square meter	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	1.02 Cum			Per cubic meter.	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars including carriage of materials within all leads and lifts.	112.20 Kg			Per Kilogramme	
6	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.	2226.53 Kg.			Per Kilogramme	
7	Providing and fixing 3mm thick Chequered plates including cutting, welding complete in flooring over steel frame work (frame work to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of the Engineer-in-charge.	445.34 Kg			Per Kilogramme	
8	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 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-in-charge including carriage of materials within all leads and lifts.	34.00 Sqm			Per square meter	
9	Providing and fixing M.S. welded mesh 25mmX25mmX2mm thick as per approved design complete by welding with electrical plant complete including priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	41.53 Sqm			Per square meter	
10	Providing and fixing 15 mm dia nominal bore G.I. pipes in trenches/walls complete with G.I. fittings and clamps, i/c cutting and making good the walls etc including trenching & refilling etc complete including carriage of materials within all leads and lifts.	110.00 Rmt.			Per running metre.	
11	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.	8.00 No.			Each	

12	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank including carriage of materials within all leads and lifts.	2000.00 Ltrs.	Per Ltrs
13	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete 15 mm nominal bore including carriage of materials within all leads and lifts.	3.00 No.	Each
CONDITION:-			Total:-

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


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

SCHEDULE OF QUANTITY

Estimated cost:- 408209.00
Earnest Money:- 8160.00
Time :- One Month.

Name of work:- Restoration of rain damages of various roads under division no III Shimla. (SH):- Construction of PCC breast wall at R0/018 to 0/036.						
Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	24.48			Per cubic metre.	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	65.28			Per Cubic metre	
3	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	10.39			Per Cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	43.16			Per Running metre	
5	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.	24.48			Per cubic metre	
6	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	22.35			Per Square metre	
	Condition:-					

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 228168.00
Earnest Money:- 4800.00
Time :- One Month

Name of work:- Special repair to Castle groove building at Boileauganj under CMO DDUZ hospital Shimla. (Slt:-Repair of Castle Groove residence etc)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Centering and shuttering including stuffing, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform including carriage of materials within all leads and lifts.	10.20 Sqm.			Per square meter	
2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, helixes, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	15.40 Cubic meter			Per running meter	
3	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.	1.70 Cum			Per Cubic meter	
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in Cement mortar 1:4 (1 cement : 4 coarse sand) including carriage of materials within all leads and lifts.	107.00 Kg			Per Kilogramme	
5	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and IADS 15:2001 (Part B), fixing with built hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : (Note:- Built hinges and necessary screws shall be paid separately) 12 mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three layer particle board FPT -1 or graded wood particle board FPT-1 conforming to IS : 3087 bonded with DWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12023, Grade -1, Type II marked, including carriage of materials within all leads and lifts.	79.99 Sqm.			Per square meter	
6	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand) including carriage of materials within all leads and lifts.	10.04 Sqm.			Per square meter	
7	15mm Cement plaster in single coat on the rough side of brick/ concrete/ stone walls for interior plastering upto floor two level including arisies, 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.	6.62 Sqm			Per square meter	
8	15mm Cement plaster in single coat on the fair side of brick/ concrete/ stone walls for interior plastering upto floor two level including arisies, 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.	53.37 Sqm			Per square meter	
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	29.07 Sqm			Per square meter	
		2.00 No			Each	

10	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 including carriage of materials within all leads and lifts.	2.00 No.	Each
11	Providing and fixing 100mm CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	2.00 No.	Each
12	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, Single socketed pipes.-110 mm diameter including carriage of materials within all leads and lifts.	37.00 Rmt	Per running meter
	ii) 75mm nominal dia.	37.00 Rmt	Per running meter
13	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion :-Bend (plain) 110 mm bend including carriage of materials within all leads and lifts.	15.00 No.	Each
	75mm bend.	10.00 No.	Each
14	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.	17.00 No.	Each
	ii) 75mm.	10.00 No.	Each
	2 Single tee with door.110x110x110 mm	4.00 No.	Each
	ii) Single tee with door.75x75x75 mm	2.00 No.	Each
15	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	8.00 No.	Each
16	Providing and fixing unplasticised PVC connection pipe with brass unions 45cm length 20 mm nominal bore length including carriage of materials within all leads and lifts.	8.00 No.	Each
CONDITION:-			
			Total:-

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

Executive Engineer
Shimla Division N.D.H.
HP.PWD.Shimla-174003

13

SCHEDULE OF QUANTITY

Name of work:- Special repair to New DDUZ Hospital building at Shimla. (SH:-Shifting of water tanks to top floor roofing & fittings etc) at DDU hospital Shimla.

Estimated cost:- 276835.00
Earnest Money:- 5550.00
Time :- Twelve Month

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank including carriage of materials within all leads and lifts.	10000.00 Litrs.			Per Litre	
2	Shifting of old polyethylene water storage tanks (at all floor levels) of different sizes including carriage of materials within all leads and lifts.	36000.00 Litrs.			Per Litre	
3	Providing and fixing 25mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc including carriage of materials within all leads and lifts. (Labour rate)	36.00 Rmt			Per running metre	
	i) 20mm nominal bore.	90.00 Rmt			Per running metre	
	ii) 20mm nominal bore. (L.R)	42.00 Rmt			Per running metre	
	iv) 20mm nominal bore. (L.R)	24.00 Rmt			Per running metre	
4	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials within all leads and lifts :25mm nominal bore. (L.R)	11.00 No.			Each	
	i) 20mm nominal bore.	20.00 No.			Each	
	iii) 20mm nominal bore. (L.R)	5.00 No.			Each	
	iv) 15mm nominal bore.	10.00 No.			Each	
	v) 15mm nominal bore. (L.R)	8.00 No.			Each	
5	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete	5.00 No.			Each	
	25 mm nominal bore including carriage of materials in all leads and lifts.					
	iii) 25mm nominal bore. (L.R)	5.00 No.			Each	
	iv) 15mm nominal bore. (L.R)	5.00 No.			Each	
	v) 15mm nominal bore.	10.00 No.			Each	
6	Providing and fixing PVC plain tee including carriage of materials within all leads and lifts. 25mm nominal	21.00 No.			Each	
	i) 20mm nominal bore.	7.00 No.			Each	
	iii) 20mm nominal bore. (L.R)	45.00 No.			Each	
	iv) 20mm to 15mm nominal bore.	4.00 No.			Each	
7	Providing and fixing 25mm nominal size or 150mm long G.I. extension Nipple of superior quality with fixing etc. complete including carriage of materials within all leads and lifts.	25.00 No.			Each	
	ii) 75mm nominal bore.	5.00 No.			Each	
8	Providing and fixing 20mm nominal size or 150mm long G.I. extension Nipple of superior quality with fixing etc. complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
	ii) 100mm long	20.00 No.			Each	
	iii) 75mm long	20.00 No.			Each	
	iv) 50mm long	25.00 No.			Each	
9	Providing and fixing 15mm nominal size or 150mm long G.I. extension Nipple of superior quality with fixing etc. complete including carriage of materials within all leads and lifts (L,R)	60.00 No.			Each	
	ii) 100mm long. (L.R)	16.00 No.			Each	
10	Providing and fixing G.I elbow of superior quality including carriage of materials within all leads and lifts. 50mm nominal bore or 25mm long. (L.R)	50.00 No.			Each	
		16.00 No.			Each	

ii) 20mm long.	50.00 No.	Each
iii) 20mm long. (L.R)	15.00 No.	Each
iv) 15mm long.	20.00 No.	Each
v) 15mm long. (L.R)	18.00 No.	Each
vi) 20mm to 15mm long.	10.00 No.	Each
11 Providing & Supplying G.I. reducer 25x20mm dia of specified quality including carriage of materials in all leads and lifts.	15.00 No.	Each
12 Providing & fixing floating valve 15mm dia of approved quality (screwed end) including carriage of materials within all leads and lifts. (L.R)	18.00 No.	Each
iv) 15mm long.	13.00 No.	Each
CONDITION:-		Total:-

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 228129.00
Earnest Money:- 4560.00
Time :- One Month.

Name of work:- Restoration of rain damages of various roads under division no III Shimla (SH)- Providing and laying sewerline, G.I pipeline, C/O manhole in Peterhof road side at Rd 0/00 to 0/77.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	82		Rmt.	Per running metre	
2	Dismantling steel work in single sections including dismembering and stacking the materials within all leads and lifts, carriage of material as per direction of Engineer-in-charge:- Channels, angles, tees and flats and including dismembering.	1540		Kg	Each	
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	25.99		Cum.	Per cubic metre.	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand); 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.	6.79		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 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.	10.39		Cum.	Per cubic metre.	
6	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 32 mm dia nominal bore complete including carriage of materials in all leads and lifts.	77.4		Rmt.	Per Running Metre.	
7	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.	37.05		Rmt	Per Running metre.	
8	Providing and fixing PVC Type B Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	5.00		No.	Each	
9	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	4.00		No	Each	
10	Providing and fixing PVC finolex Type B degree 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	

	Constructing manhole with RCC top slab in 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) foundation concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) inside plastering 15mm thick with cement mortar 1:3 (1 cement 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) finished smooth complete including curing and testing: (1) Inside size 800mm x 800mm and 500mm deep including pre-cast R.C.C. manhole cover 600mm dia with frame. (a) With 200mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement : 3 Sand) including carriage of materials within all leads and lifts.	1.00	No.			Each
12	Inside size 455x610x450mm deep.	1.00	No.			Each
	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge:- 50mm nominal bore.	3.00	No.			Each
13	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.	19.88	Cum			Per cubic metre
14	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	69.30	Sqm.			Per Square metre
	Condition:-					

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

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

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

[Signature]

SCHEDULE OF QUANTITY

Estimated cost:- 355632.00
Earnest Money:- 7150.00
Time :- Twelve Month

Name of work:- Special repair to DDUZ Hospital & Eilerslie building at at Shimla. (SH:-Providing staff for repair & maintenance of various buildings under Shimla Division No. III) Twelve Months.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Engagement of plumber to assemble, install, maintain and pressure test all pipes, fittings and fixtures of heating, water, sanitary, drainage, sprinkler, according to specifications and plumbing codes to determine sources of plumbing malfunctions and specifications and complete repairs as indicated or according to work order, install and repair pipes, fittings, valves, fixtures and plumbing system equipment including sinks, commodes, water heaters, water softners etc to select material & hardware and make time and materials estimates to maintain accurate records on tools, equipment and materials and labour used. He shall be responsible for laying, jointing all kind of pipes and special i.e. C.I. G.I. HCl, PVC lead pipes etc making ferrule connections repair to leakage etc and other miscellaneous works/jobs at treatment plan/water works and pumping stations etc. He shall also be responsible for reporting and assisting the Junior Engineer for detection and connection and other duly assigned by the Junior Engineer.	24.00 No.			Each	
CONDITION:-						Total:-

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

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

3) 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 NQ-III
HP.PWD.Shimla-171a03