

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

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

13290

Dated:- 4-8-22

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

Subject: - Tender Notice.

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

Encl: - As above

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

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

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP.PWD. Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in HP.PWD, so as to reach in his office on or before 17-08-2022 up to 10.30 A.M. and will be opened on the same day at 11.00 A.M. in the presence of the intending Contractors/Firms or their authorized representatives. The tender form can be had from his office against cash payment (non-refundable) on any working day up to 4.00 P.M. on 16-08-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 16-08-2022.

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

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Form No	Cost of form
1	A/R & M/O on various building under IGMC Shimla (SH:-Providing and fixing computer system for Medical Sub-Division IGMC Shimla).	Rs.2,44,950/-	Rs.4900/-	One Month	6&8	350/-
2	A/R and M/O various residential building under Shimla Division No.III (SH:-Providing stairs, road side railing and drain etc. on approach path to spring field from Block No.4 at Chotta Shimla).	Rs.1,09,303/-	Rs.2190/-	One Month	6&8	350/-
3	A/R & M/O various residential buildings under Division No.III Shimla. (SH:-Repair of store room No.-1 at Barnes Court Shimla).	Rs.2,61,942/-	Rs.5240/-	One Month	6&8	350/-
4	A/R & M/O to various residential building under Shimla Division No.III Shimla (SH:-Repair of plaster finishing wall with exterior paint (Apex Ultima) outer side of Block No.2 of Transit accommodation at Jakhoo Shimla).	Rs.1,26,138/-	Rs.2530/-	One Month	6&8	350/-
5	S/R to ART Center Building at IGMC Shimla (SH: - Replacement of roofing, fascia etc.).	Rs.4,99,127/-	Rs.9990/-	One Month	6&8	350/-
6	Special repair to new DDUZ hospital building at Shimla (SH:-Providing & fixing pedestal for water storage tanks at 4 th floor level) at DDUZ Hospital Shimla).	Rs.4,99,721/-	Rs.10000/-	One Month	6&8	350/-
7	S/R to various residential buildings Division No.III Shimla (SH:- Repair of roof, Gutter, Valley, repair of cupboard, painting and distempering etc. in Bhajji House in Set No.2 (Ground floor) and Set No.1 (First floor) at Kaithu Shimla).	Rs.3,40,007/-	Rs.6800/-	One Month	6&8	350/-
8	Special repair to various Non residential buildings under Shimla Division No.III (SH:-Providing and fixing roofing over PWD store) at Nabha Estate Shimla).	Rs.3,41,202/-	Rs.6850/-	One Month	6&8	350/-
9	Special repair to various residential building under Shimla Division No.III (SH: - Providing and fixing cupboards, tiles, lining, flooring & painting in block No. C-17, 18 & 1/20 Royal Hotel) at Nabha Estate Shimla).	Rs.3,28,051/-	Rs.6600/-	One Month	6&8	350/-
10	A/R & M/O to various Non residential building under IGMC Shimla (SH:- Replacement of damaged ceiling at Attic floor of Block-D Building).	Rs.2,23,412/-	Rs.4470/-	One Month	6&8	350/-
11	Special repair to Residential building under Shimla Division No.III (SH:- Providing and fixing Door window shutters, prepainted sheet in roofing back side, Dormitory, painting etc. in Park Seven Building at Nigam Vihar Shimla).	Rs.3,89,612/-	Rs.7800/-	One Month	6&8	350/-
12	Special repair to various residential building under Shimla Division No.III (SH:-Repair of Veranda, ceiling and roofing etc. of Block No.3 in set No. 3 & 4 at Barnes Court Shimla).	Rs.3,96,614/-	Rs.7940/-	One Month	6&8	350/-
13	Special repair to Directorate of Higher education at Ghan Hogen Shimla-3 (SH:-Providing and fixing steel gate in front of block "A" and Gumpi in front of main gate & providing & water storage tanks etc.).	Rs.2,93,671/-	Rs.5900/-	One Month	6&8	350/-
14	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Providing and fixing cupboards, tiles, marble, painting & distempering including sanitary fittings in block No.F-III/44 etc.) at Nabha Estate Shimla).	Rs.1,88,910/-	Rs.3800/-	One Month	6&8	350/-
15	Special repair to residential building under Shimla Division No.III (SH:- Providing and laying floor tiles, wall tiles, painting and plastic emulsion etc. Block No.25 A in Set No. 626, 630, 631 & 632 Sector-III at New Shimla).	Rs.3,28,249/-	Rs.6570/-	One Month	6&8	350/-
16	S/R to various residential buildings under Division No.III Shimla (SH:- Repair of old Sewer line and manhole chamber from Steward house to block No.IV at U.S. Club Shimla).	Rs.4,03,453/-	Rs.8070/-	One Month	6&8	350/-
17	Special repair to New DDUZ Hospital building at Shimla (SH:- Construction of temporary mortuary structure and roofing of tank stand) at DDU Hospital Shimla).	Rs.4,99,736/-	Rs.10000/-	One Month	6&8	350/-
18	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Construction of edge wall in front side of Marlin Park Cottage G.F. for path leading to out houses) at Nabha Estate Shimla).	Rs.3,68,758/-	Rs.7400/-	One Month	6&8	350/-
19	A/R & M/O various residential building under Shimla Division No.III (SH: - Repair of Ellerslie Qtr. Block No.11 at Chotta Shimla).	Rs.1,00,950/-	Rs.2020/-	One Month	6&8	350/-

20	Special repair to various residential buildings under Shimla Division No.III (SH: - Repair of CGI sheet roofing in Marlin Park Cottage) at Nabha Estate Shimla).	Rs.2,90,432/-	Rs.5850/-	One Month	6&8	350/-
21	A/R & M/O to various Building under IGMCM Shimla. (SH:- Providing and fixing cupboard, aluminium work at various floors of block-E).	Rs.4,98,196/-	Rs.9970/-	One Month	6&8	350/-
22	S/R to various residential buildings under Division No.III Shimla (SH:- Repair of toilets and repair of cupboards in Block-B Type-IV Set No.7 Block-A Type-V set No.4 and repair of cupboards in set No.7 & 8 at Richmond Shimla).	Rs.3,98,766/-	Rs.7980/-	One Month	6&8	350/-
23	A/R & M/O various residential buildings under division No.III Shimla (SH:- C/O P.C.C. retaining wall, on upper side of Block A at Old MLA Qtrs at Boileauganj Shimla).	Rs.2,44,327/-	Rs.4890/-	One Month	6&8	350/-
24	S/R to various residential buildings under division No.III Shimla (SH:- Repair of toilets/ bathroom and other miscellaneous repair work in set No. 15 Type-IV at Richmond Shimla).	Rs.2,94,519/-	Rs.5890/-	One Month	6&8	350/-
25	A/R & M/O various residential buildings under division No.III Shimla (SH:-Providing and laying 150mm sewerline in old MLA Qtrs from block C to M.C. Chamber, and other miscellaneous repair work).	Rs.2,75,675/-	Rs.5510/-	One Month	6&8	350/-
26	A/R & M/O High Court Building Shimla (SH:-Providing and laying water supply pipe line from clarks Hotel region to High Premises).	Rs.1,28,881/-	Rs.2580/-	One Month	6&8	350/-
27	A/R & M/O to various residential buildings under division No.III Shimla (SH:-Repair of kitchen, WS &SI etc. in set No.4 Type-V at Richmond Shimla).	Rs.1,73,827/-	Rs.3480/-	One Month	6&8	350/-
28	S/R to various residential buildings under division No.III Shimla (SH:- Repair of flooring, tile work, door windows, and sanitary fixtures of set No.44 of block No.III, Type-IV at U.S. Club Shimla).	Rs.3,77,568/-	Rs.7550/-	One Month	6&8	350/-
29	A/R & M/O various residential buildings under division No.III Shimla (SH:-Providing and laying 150mm sewerline in old MLA Qtrs from Block A to Block-C, C/O brick masonry manhole etc.).	Rs.3,58,704/-	Rs.7170/-	One Month	6&8	350/-

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

public interest.

Terms & Conditions:-

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

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

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

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

Executive Engineer,
Shimla Division No-III,
HP.PWD.Shimla-2
Dated:-

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 244950.00
Earnest Money Rs. :- 4900.00

Time:- One Month.

Name of work: - A/R & M/O on various building under IGM.C. Shimla (SH: P/F Computer system for Medical Sub Division IGM.C. Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Computer system Lenovo idea centre AmdRyzen5/3500u/8gb/lb+256 ssd/window11+ms office 2021/radeon graphics/wifi 5/ Bluetooth 5.0/mineral Grey. with Lenovo 22" Screen. including carriage of material with in all leads and lifts as per the direction of Engineer-in-Charge. (I/c GST Tax 18%)	3.00	No		Each	
3	Canon LBP2900 (Print only) single function printer A4 size printer print upto 15ppm 2MB RAM up to 600 dpi resolution legal size printing (with one year warranty except toner & plastic parts) including carriage of material with in all leads and lifts as per the direction of Engineer-in-Charge. (I/c GST Tax 18%)	3.00	No		Each	
Conditions:-						
Total						

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 109303.00
 Earnest Money Rs. :- 2190.00
 Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Providing stairs, road side railing and drain etc. on approach path to spring field from Block No-4 at Chotta Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43 Cum			Per cubic metre.	
2	Centering and shuttering including strutting, propping etc. and removal of form same for Foundations, footings, bases of columns, etc. for mass concrete etc. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	12.18 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) : 6graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	6.01 Cum.			Per cubic metre.	
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :cement mortar 1:4 (1 cement : 4 coarse sand) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	6.27 Sqm			Per square metre.	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	330.24 Kgs			Per Kilogramme	
6	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement complete including carriage of materials within all leads and lifts.	24.64 Sqm.			Per Square metre	
7	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	7.41 Sqm.			Per Square metre	
8	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials in all leads and lifts.	8.80 Sqm			Per square metre	
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
 H.K. PWD, Shimla-3.

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 261942.00
Earnest Money Rs. :- 5240.00

Time:- One Month.

Name of work: - A/R & M/O varoius residential buildings under Division No III Shimla. (SH:- Repair of store room No-1 at Barnes Court Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.50 m, as directed by Engineer-in-charge. All kinds of soil.	2.50			Per cubic metre	
2	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.142			Per Cubic metre	
3	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position 2nd class deodar wood including carriage of materials within all leads and lifts.	0.085			Per cubic metre.	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. complete. including carriage of materials within all leads and lifts.:- Rae wood/chill wood	0.139			Per Cubic metre.	
5	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	3.39			Per square metre.	
6	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of 1.5. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.44			Per square metre.	
7	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.	3.45			Per cubic metre	
8	Stone soiling properly hand-packed filling interstices with Khataria stone including spreading watering of binding materials moorum or earth etc. complete as per H.P.PWD specification 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	1.95			Per cubic metre	
9	Providing and laying in position cement concrete of specified grade excluding the cost of 1.30 centering and shuttering complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge - All work up to plinth level:- 1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40mm nominal size)	1.30			Per cubic metre	

10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor all level:- Cement mortar 1:4 (1 cement :4 coarse sand)	24.74	Sqm				Per square metre	
11	Providing and fixing hard wood plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	44.95	Rmt				Per running metre	
12	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	12.70	Sqm				Per square metre	
13	Providing corrugated 0.63 mm G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:- (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	13.32	Sqm				Per square metre	
14	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply including carriage of materials within all leads and lifts.	6.83	Sqm				Per square metre	
15	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	8.18	Sqm				Per square metre	
16	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts.	20.74	Sqm				Per square metre	
17	Providing and fixing 1.00 mm thick coloured or plain lamination sheet (sumica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.	6.83	Sqm.				Per square metre	
18	Providing and fixing hard wood square edges cover fillets (beading) 19mm x 6mm section including mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	29.30	Rmt.				Per running metre.	
19	Providing and fixing aluminium sliding door bolts. ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 250x16 mm	1.00	No				Each	
20	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :200x10 mm	6.00	No				Each	
21	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125mm	24.00	No.				Each	

22	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).	17.00	No				Each	
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 including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	5.90	Sqm.				Per square metre.	
24	Providing and laying floor tiles of approved size, shade, design and quality in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts.	2.74	Sqm.				Per square metre.	
25	15 mm cement plaster on the fair side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	38.04	Sqm.				Per square metre.	
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	38.04	Sqm.				Per square metre.	
27	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.	38.04	Sqm.				Per square metre.	
28	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	84.90	Sqm				Per square metre.	
29	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	84.90	Sqm				Per square metre	
30	Providing and fixing vitreous China pedestal type wash down, water closet (European type, W.C. pan) one piece with integral 'P' or 'S' trap including cistern seat and cover jointing the trap with soil pipe in cement mortar 1:1(1 cement : 1 sand) including carriage of materials within all leads and lifts:-Complete set.	1.00	No				Each	
31	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required :510x460 mm bowl depth 200mm.	1.00	No.				Each	

32	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - In - charge.	1.00	No.				Each	
33	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) 150mm dia including carriage of materials within all leads and lifts.	6.00	Rmt				Per Running metre.	
	110mm	39.00	Rmt				Per Running metre.	
	75mm	3.00	Rmt				Per Running metre.	
34	Supplying/ providing of 110mm dia PVC plain bend of approved brand at store of vidhan Sabha section including carriage of materials within all leads and lifts.	2.00	No.				Each	
	75mm	4.00	No.				Each	
	75mm	2.00	No.				Each	
35	Providing and fixing PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	2.00	No.				Each	
	75mm	2.00	No.				Each	
36	Providing and fixing PVC Finolex door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	2.00	No.				Each	
	75mm nominal size.	2.00	No.				Each	
37	Providing and fixing 100mm C.P. grating of viking for floor or nahani trap including carriage of materials within all leads and lifts.	2.00	No.				Each	
38	Providing and fixing PVC (Finolex) floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i) 110mm X 75mm size.	2.00	No.				Each	
39	Providing and fixing 15mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms complete including carriage of materials within all leads and lifts.	2.00	No.				Each	
40	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8831 complete including carriage of materials within all leads and lifts.	2.00	No.				Each	
41	Providing and fixing 15mm dia nominal bore G.I. pipes complete with G.I. fittings including trenching and refilling etc. including carriage of materials within all leads and lifts:- internal	24.80	Rmt.				Per running metre	

42	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete including carriage of materials within all leads and lift 40 mm thick with 20 mm nominal size stone aggregate.	12.15	Sqm				Per square metre.	
	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 changed.

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

iv


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

SCHEDULE OF QUANTITY

5

Estimated Cost Rs. :- 126138.00
Earnest Money Rs. :- 2530.00

Time:- One Month.

Name of work: -A/R & M/O to Various residential Building under Shimla Division No.III Shimla(SH:- Repair of Plaster finishing wall with exterior paint(Apex Ultima) Outer side of Block No.2 of Transit accommodation at Jakhoo Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	37.56 Sqm			Per Square Metre	
2	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	37.56 Sqm			Per Square Metre	
3	Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	252.87 Sqm			Per Square Metre	
4	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.	290.43 Sqm			Per Square Metre	
5	Finishing walls with Acrylic Smooth exterior paint of required shade : (i) New work Two or more coat and including priming coat of exterior primer including carriage of materials within all leads and lifts	37.56 Sqm			Per Square Metre	
6	Finishing walls with Acrylic Smooth exterior paint of required shade Old work One or more coat including carriage of materials and as per the direction of the Engineer-in-Charge.	505.73 Sqm			Per Square Metre	
7	Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.	136.28 Sqm			Per Square Metre	
8	Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	403.05 Sqm			Per Square Metre	

9	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	0.75	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, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

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

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

SCHEDULE OF QUANTITY

5

Estimated Cost Rs. :- 499127.00

Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: - S/R to ART Center Building at IGMC Shimla.(SH:- Replacement of roofing, facia etc.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1.00	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.(i) In Cement mortar	0.57	Cum.			Per Cubic metre	
2.00	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within carriage of material in all leads and lifts:-G.S. Sheet.	239.00	Sqm			Per Square Metre	
3.00	Dismantling C.I. Or asbestos rain water pipes 100mm dia with fittings and clamps including stacking the materials within all leads and lifts including carriage of materials.	93.00	Rmt.			Per Running metre	
4.00	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In beams joists, chanel, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.	4430.00	Kg			Per Killogram me	
5.00	Disposal of moorum / Building rubbish/ Malba/ Similar unserviceable , dismantled or waste material by mechanical Transport including loading, trnasporting, unloading to approved municipal dumping ground for lead up to 10.0 Km. for all leafts, 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.	2.00	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, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

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

iv


Executive Engineer
Shimla Division No.III
HP. PWD. Shimla-5

SCHEDULE OF QUANTITY

Estimated cost:- 499721.00
Earnest Money:- 10000.00
Time :- One Month

6
ame of work:-Special repair to new DDUZ hospital building at Shimla. (SH:-Providing & fixing Pedestal for water storage tanks at 4th floor level) at DDU Hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Steel work welded in built up sections including hollow section, trusses and framed work, including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials within all leads and lifts :-In beams, joists, channels, angles, tees, flat with connecting plates, angles cleats, as in main and cross beams, hips, jack rafters, purlins connected to common rafter and the like including carriage of materials within all leads and lifts	3960.96 kg			Per Kiligramme	
2	Providing and fixing 4mm 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.	100.00 kg			Per Kiligramme	
3	Providing and fixing polycarbonated transparent sheet 2.00mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	2.40 Sqm			Per square meter	
4	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	112.68 Sqm			Per square meter	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.11.
H.P.W.D. Shimla-171003

SCHEDULE OF QUANTITY

(7)

Estimated Cost 340007.00

Earnest Money 6800.00

Time:- one month.

Name of work:-S/R to Various residential buildings Division No III Shimla. (SH:- Repair of roof, Gutter, Valley , Repair of cupboard, painting and distempering etc in Bhajji House in Set No. 2 (ground Floor) and Set No. 1 (First Floor) at Kaithu Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Old Work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	297.33 Sqm.			Per square metre.	
2	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.0.63 mm thick with zinc coating not less than.	76.22 Sqm.			Per square metre.	
3	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. 0.63 mm thick with zinc coating not less than 275 gm/m ²	12.60 Rmtr			Per running metre	
4	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete :1.60 mm thick with zinc coating not less than 350 gm/m ²	2.10 Rmtr			Per running metre	
5	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	292.14 Sqm.			Per square metre.	
6	Applying a coat of mordant solution on G.S. sheet: With a solution of 38 gms of copper acetate in a litre of soft water complete including carriage of materials within all leads and lifts.	76.22 Sqm.			Per square metre.	
7	Painting on G.S. sheet with synthetic enamel (Apex Ultima) paint of approved brand and manufacture of required colour to give an even shade :New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	76.22 Sqm.			Per square metre.	
8	Stone soling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP.PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	21.90 Cum			Per cubic metre.	
9	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)	17.40 Cum			Per cubic metre.	
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	2.70 Sqm.			Per square metre.	

11	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000.00	Ltr			Per litre	
12	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	6.60	Sqm.			Per square metre.	
13	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	15.82	Sqm.			Per square metre.	
14	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	5.39	Sqm.			Per square metre.	
15	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.	14.62	Sqm.			Per square metre.	
16	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	32.11	Rmtr			Per running metre	
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	22.42	Sqm.			Per square metre.	
18	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	22.42	Sqm.			Per square metre.	
19	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	22.42	Sqm.			Per square metre.	
20	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters	3.89	Sqm.			Per square metre.	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

341202.00
6850.00
One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Providing & fixing roofing over PWD store) at Nabha Estate Shimla.

SI. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	85.34 Kg.			Per Kiligramme	
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 including carriage of materials within all leads and lifts.	1018.93 Kgs.			Per Kilogramme	
3	Providing and fixing 250x16 mm ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
4	Providing and fixing oxidised 150x10 mm M.S tower bolts (barrel type) with necessary screws etc complete. including carriage of materials in all leads and lifts.	4.00 No			Each	
5	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in Cement mortar 1:4 (1 cement :4 coarse sand) including carriage of materials within all leads and lifts.	12.00 Sqm.			Per square meter	
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.36 Cum			Per Cubic meter	
7	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	143.96 Sqm			Per square meter	
8	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufactureincluding carriage of materials in all leads and lifts.	320.74 Sqm.			Per square meter	
9	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete Gutter (600 mm over all girth) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	17.00 Rmt.			Per Running meter	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

328051.00
6600.00
One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, lining, flooring & painting in block No. C-17,18 & 1/20 Royal Hotel) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	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	23.18 Sqm.			Per square metre.	
2	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	69.98 Sqm.			Per square metre.	
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	54.75 Sqm.			Per square metre.	
4	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.	23.18 Sqm.			Per Square metre	
5	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.	22.18 Sqm			Per square meter	
6	Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	88.00 No.			Each	
7	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.	30.00 No.			Each	
8	Providing and fixing 25 mm dia stainless steel curtain rod having wall thickness of 1.25mm with brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete including carriage of materials and as per the direction of the Engineer-in-Charge.	28.88 Rmt.			Per running metre.	
9	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod including carriage of materials within all leads and lifts.	1.64 Rmt.			Per running 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.	200.00 Rmt.			Per running metre.	
11	1.5 mm thick pvc/rubber tiles flooring of approved make & design 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.	72.10 Sqm.			Per square metre	
12	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.	113.77 Sqm			Per square meter	
13	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.	113.77 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

10

Estimated Cost Rs. :- 223412.00

Earnest Money Rs. :- 4470.00


Time:- One Month.

Name of work: -A/R & M/O to Various Non Residential Building under IGMC. Shimla (SH:- Replacement of Damaged Ceiling at Attic floor of Block-D Building)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling cement asbestos celotax/hard board in ceiling or partition wall including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (Frame work such as joists, beams to be measured and paid for separately)	174.00	Sqm.			Per Square Metre	
2	Dismantling wood work. Wrought framed and fixed in frames other frames and trusses of span upto 10 metres and height between ridge and floor level stacking the serviceable materials and disposal of un-serviceable materials with in 20 metres lead Sectional area under 40 sq.cm.	120.00	Rmt			Per Running Metre	
3	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.including carriage of materials within all leads and lifts.(Rai wood	0.30	Cum			Per Cubic Metre	
4	Providing and fixing plain square edged cover fillets (beading) 50mmx12mm section, with wood screws in ceiling and lining including mitring at junction.(i) Second class Deodar wood	332.00	Rmt.			Per Rmt.	
5	Providing and fixing 6mm thick ply wood in ceiling with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	174.00	Sqm.			Per Square Metre	
6	Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	60.00	Sqm			Per Square Metre	
7	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.	191.40	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 within all leads and lifts.	191.40	Sqm.			Per Square Metre	
9	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 within all leads and lifts.	191.40	Sqm			Per Square Metre	

10	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade One or more coats on old work on wood complete including carriage of materials within all leads and lifts.	200.00	Sqm			Per Square Metre	
11	Disposal of moorum / Building rubbish/ Malba/ Similar unserviceable , dismantled or waste material by mechanical Transport including loading, trnasporting, unloading to approved municipal dumping ground for lead up to 10.0 Km. for all leafs, 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.	14.22	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, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 389612.00

Earnest Money Rs. :- 7800.00

Time:- One Month.

Name of work: -Special repair to Residential building under Shimla Division No.III(SH:- Providing and Fixing Door Window Shutters, Prepainted Sheet in Roofing back side , Doormatry, Painting Etc. in Park Seven Building at Nigam Vihar Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :(i) Of area 3 sq. metres and below	34.00 No.			Each	
2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: (i) G.S. Sheet	12.50 Sqm.			Per Square Metre	
3	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).(i) Second class Deodar wood	0.36 Cum.			Per Cubic Metre	
4	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood (a) 40mm thick shutters	13.14 Sqm.			Per Square Metre	
5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood (a) 35mm thick shutters	17.64 Sqm.			Per Square Metre	
6	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters	19.34 Sqm.			Per Square Metre	
7	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	18.00 No.			Each	
8	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	13.00 No.			Each	

9	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	110.00	No.			Each	
10	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	50.00	No.			Each	
11	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.(i) Hot finished welded type tubes	328.96	Kg			Per Kilogramme	
12	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.(i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	122.40	Kg			Per Kilogramme	
13	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)	7.25	Sqm.			Per Square Metre	
14	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	12.50	Sqm.			Per Square Metre	
15	Providing and fixing precoated galvanised steel sheet roofing accessories 0.60 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : (i)Ridges plain (500 - 600mm)	27.00	Rmt.			Per Running Metre	
16	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	111.68	Sqm.			Per Square Metre	
17	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	111.68	Sqm.			Per Square Metre	

18	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat sqm of approved brand and manufacture	7.23	Sqm.				Per Square Metre	
	Conditions:-						Total	

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

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

SCHEDULE OF QUANTITY

12

Estimated Cost Rs. :- 396614.00

Earnest Money Rs. :- 7940.00

Time:- One Month.

Name of work: -Special repair to Varoius Residential Building under Shimla Division No. III(SH:- Repair of Veranda , Ceiling and Roofing etc. of Block No.3 in set No. 3 & 4 at Barnes court Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: (i) GS Sheet Roofing	43.08 Sqm			Per square meter	
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.	10.77 Sqm			Per square meter	
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.(i) Mild steel and Medium Tensile steel bars	241.49 Kg			Per Kilogramme	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :(i) 1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size)	1.35 Cum			Per Cubic Metre	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.(i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1961.89 Kg			Per Kilogramme	
6	Providing and fixing M.S.black sheet 1.5 mm thick facia /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)	42.00 Sqm			Per square meter	
7	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.(i) 0.63 mm thick with zinc coating not less than 275 gm/ m ²	52.95 Sqm			Per square meter	

8	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.(i) 0.63 mm thick with zinc coating not less than 275 gm/ m ² (Labour rate)	43.08	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, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

1V

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

SCHEDULE OF QUANTITY

(13)

Estimated cost:-
Earnest Money:-
Time :-

293671.00
5900.00
One Month

ame of work:- Special repair to Directorate of Higher education at Ghan Hogen Shimla-3 (SH:-Providing & fixing steel gate in front of block-"A" and Gumpiti in front of main gate & providing & water storage tanks etc).

Sl. NO.	Description	Qty.	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 Ordinary rock including carriage of materials within all leads and lifts.	8.04 Cum			Per Cubic meter	
2	Disposal of building rubbish/malba/similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved including carriage of materials within all leads and lifts.	8.04 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 coarse sand): 10 graded stone aggregate 40 mm nominal size) including carriage of materials in all leads and lifts.	1.28 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 :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	6.76 Cum			Per Cubic meter	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete including carriage of materials within all leads and lifts.	1017.74 Kg.			Per Kilogramme	
6	Providing and fixing M.S. welded mesh 25mm X 25mm X 2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	31.92 Sqm			Per square meter	
7	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including carriage of materials within all leads and lifts.	4.00 Sqm			Per square meter	
8	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 5mm) 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 as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts.	15.55 Sqm			Per square meter	
9	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 1518 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm) including carriage of materials within all leads and lifts.	1.20 Rmt			Per running meter	
10	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board/ fascia/ soffits/ ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all leads and lifts.	1.11 Sqm			Per square meter	
11	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.	4500.00 Liter.			Per liter	

	Painting on G.S. sheet / other metal surfaces with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :-New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution including carriage of materials within all leads and lifts.	48.39 Sqm			Per square meter	
3	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.	12.00 Rmt			Per running meter	
14	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No			Each	
15	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 Nos.			Each	
16	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :-250x16 mm including carriage of materials within all leads and lifts.	1.00 No.			Each	
17	Providing and fixing 100x10 mm aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts.	1.00 Nos.			Each	
18	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes including carriage of materials within all leads and lifts.	0.36 Sqm			Per square meter	
19	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.100 mm including carriage of materials within all leads and lifts.	3.00 Nos.			Each	
20	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	2.70 Cum			Per cubic meter	
21	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth. including carriage of materials within all leads and lifts.	18.00 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

SCHEDULE OF QUANTITY

Estimated cost:- 188910.00
 Earnest Money:- 3800.00
 Time :- One Month

Name of work:- A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, marble, painting distempering including sanitary fittings in block No. III/44 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 1:4:8 or leaner mix (i/c equivalent design mix) including carriage of materials in all leads and lifts.	1.07 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.	1.07 Cum			Per Cubic metre.	
3	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	15.49 Sqm.			Per square metre	
4	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	26.98 Sqm.			Per square metre	
5	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.	20.74 Sqm.			Per square metre.	
6	Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	200.00 Rmt.			Per running metre.	
7	Providing and fixing 125 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	46.00 No.			Each	
8	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	46.00 No.			Each	
9	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	15.49 Sqm			Per square meter	
10	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-in-Charge including carriage of materials in all leads and lifts.	27.92 Sqm			Per square meter	
11	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete size of tiles 600x600mm including carriage of materials within all leads and lifts.	12.41 Sqm			Per square meter	
12	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre including carriage of materials within all leads and lifts.	64.05 Sqm.			Per square meter	
13	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	64.05 Sqm			Per square meter	
14	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.	143.85 Sqm.			Per square meter	
15	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts.	57.54 Sqm.			Per square meter	
16	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.	4.65 Rmt.			Per running meter	
17	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	0.90 Sqm			Per square meter	

	Painting with synthetic enamel paint on wood of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials in all leads and lifts.	66.74 Sqm.			Per square metre.	
	Providing and fixing vitreous China wash down, water closet squatting pan (Indian type W.C pan) size 580mm (Earth work, bed concrete, foot rest and trap to be measured and paid for separately) including carriage of materials within all leads and lifts :-Orissa Pattern.	1.00 No.			Each	
20	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 10 litre capacity - White including carriage of materials within all leads and lifts.	1.00 No.			Each	
21	Providing and fixing C.P. brass Angle cock with CP flange of approved quality conforming to IS:8931 :-15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.			Each	
22	Providing and fixing 15mm dia CP brass bib tap (Superior or heavy type) including carriage of materials within all leads and lifts:-	2.00 No.			Each	
23	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia nominal bore including carriage of materials in all leads and lifts.	3.20 Rmt			Per running metre	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.41.
HP.PWD.Shimla-121003

SCHEDULE OF QUANTITY

15

Estimated Cost Rs. :- 328249.00

Earnest Money Rs. :- 6570.00


Time:- One Month.

Name of work: -Special repair to Residential building Under Shimla Division No.III(SH:- Providing and Laying floor tiles , Wall Tiles, Painting and Plastic emulsion etc. Block No.25 A in set No.626,630,631& 632 Sector- III at New Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	17.74	Sqm			Per Square Metre	
2	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)	17.74	Sqm			Per Square Metre	
3	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	156.32	Sqm			Per Square Metre	
4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mm	17.74	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	286.24	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.	286.24	Sqm			Per Square Metre	
7	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i) One or more coats on old work	572.48	Sqm			Per Square Metre	
8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade (i) One or more coats on old work	333.52	Sqm			Per Square Metre	

9	Disposal of moorum/ buil;dng rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carrng motor vehicle of 3.5 cum. or More.	0.35	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, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- 1V Recovery of usefull bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


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

SCHEDULE OF QUANTITY

16

Estimated cost:- 403453.00

Earnest Money:- 8070.00

Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:-Repair of old Sewerline and manhole chamber from Steward house to block no IV 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 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	8.25	Cum			Per cubic metre	
2	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, all lift, including getting out the excavated soil and disposal of surplus excavated soils as directed, within all leads.	29.88	Cum			Per cubic metre	
3	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 40mm nominal size) mechanical mixed and curing complete excluding the cost of centering and shuttering in foundation and plinths required complete inc complete including carriage of all labour equipments and materials to various locatios through all modes of transpotation within all leads lifts and other incidental charges.	7.47	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 110mm dia.	55.00	Rmtr			Per running metre	
		9.15	Rmtr			Per running metre	
5	Providing and fixing PVC offset 45 degree Type B ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts.	6.00	No			Each	
	110mm dia	6.00	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	8.00	No			Each	
	110mm dia.	6.00	No			Each	
7	Providing and fixing PVC finolex Type B double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	6.00	No			Each	


	110mm dia.	6.00	No			Each	
8	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	22.00	No			Each	
	110mm dia.	6.00	No			Each	
9	Stone soling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP.PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	7.47	Cum			Per cubic metre	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	11.79	Cum			Per cubic metre	
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 : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	7.00	No			Each	
	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (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.	5.00	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 50 m initial lead, for all leads including all lifts involved.	61.57	Cum			Per cubic metre	
						Total	

CONDITION

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

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


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


171
SCHEDULE OF QUANTITY

Estimated cost:-

499736.00

Earnest Money:-

10000.00

Time :-

One Month

Name of work:-Special repair to new DDUZ hospital building at Shimla. (SH:-Construction of temporary mortuary structure and roofing of tank stand) at DDU Hospital Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	3683.80 Kg			Per Kilogramme	
2	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	189.00 Sqm			Per square meter	
3	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	72.00 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.
H.P.W.D.Shimla-171003

18

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-


368758.00
7400.00
One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Construction of edge wall in front side of Marlin Park Cottage G.F for path leading to out houses) at Nabha Estate Shimla.

SI. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m All kinds of soil including carriage of materials within all leads and lifts.	60.44 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 :-1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 25 mm nominal size) including carriage of materials within all leads and lifts.	59.26 Cum			Per Cubic meter	
3	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.	133.20 Sqm.			Per square meter	
4	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.	33.20 Cum			Per cubic meter	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	155.52 Kgs.			Per Killogramme	
CONDITION:-					Total:-	

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

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


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 100950.00

Earnest Money Rs. :- 2020.00

Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Repair of Ellerslie Qtr. block No.11 at Chotta Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	0.23 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) : 6graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	3.15 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 complete including carriage of materials within all leads and lifts.	243.44 Kgs			Per Kilogramme	
4	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete within carriage of material in all leads and lifts and as directed by the Engineer in Charge:10mm x 58mm x 1.90mm.	21.00 No.			Each	
5	Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade pigment using white cement complete including carriage of materials within all leads and lifts.	47.25 Sqm.			Per Square metre	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials in all leads and lifts.	6.00 Sqm			Per squre 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:-

290432.00

Earnest Money:-

5850.00

Time :-

One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Repair of CGI sheet roofing in Marlin Park Cottage) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc and stacking the material within 50 metres lead of G.S. Sheet including carriage of materials within all leads and lifts. G.S. Sheet/prepainted sheet.	59.42 Sqm			Per square meter.	
2	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead of sectional area below 40 square centimetres including carriage of materials in all leads and lifts.	31.50 Rmt			Per running metre	
3	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 Ordinary rock including carriage of materials within all leads and lifts.	0.54 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 :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.54 Cum			Per Cubic meter	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	1468.76 Kg			Per Kilogramme.	
6	Providing and fixing 7.00mm thick Chequered plates including cutting, welding complete in flooring over steel frame work (frame work to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge.	669.59 Kg.			Per Kiligramme	
7	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	283.55 Kg.			Per Kiligramme	
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-171003

SCHEDULE OF QUANTITY

21

Estimated Cost Rs. :- 498196.00

Earnest Money Rs. :- 9970.00

Time:- One Month.

Name of work: - A/R & M/O to various Building under IGMC Shimla.(SH:- P/F Cup Board, aluminium work at various floors of block E)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc. complete including carriage of materials in all leads and lifts.	96.84	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 in all leads and lifts.	36.00	Sqm			Per Square Metre	
3	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	36.50	Sqm.			Per square metre	
4	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	161.40	Rmt.			Per Running Metre	
5	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position including carriage of materials with in all leads and lifts. (a) Second Class Deodar Wood	0.13	Cum.			Per Cubic Metre	
6	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	53.44	Sqm.			Per Square Metre	
7	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. (i) Triple strip vertical type	192.00	No.			Each	
8	Providing and fixing 100 mm aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.including carriage of materials in all leads and lifts.	96.00	Nos.			Each	
9	Providing and Supplying Stainless steel Haps and Staple 100 mm size with necessary screws etc. complete.including carriage of materials in all leads and lifts.	116.00	No.			Each	

10	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) including carriage of materials within all leads and lifts.	100.00	Kg.			Per Kilogram me	
11	Providing and fixing aluminium work for shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) including carriage of materials within all leads and lifts.	50.00	Kg.			Per Kilogram me	
12	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.	30.00	Sqm.			Per square metre	
13	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.	30.00	Sqm.			Per square metre	
14	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	4.00	No			Each	
15	Providing and fixing anodysed Aluminium American Handles (of approved quality) complete including carriage of materials in all leads and lifts. (i) 300 MM	4.00	No.			Each	

16	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.	30.00	Sqm.				Per square metre	
17	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	30.00	No				Each	
Conditions:-							Total	

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

Executive Engineer
Shimla Division No.III
HP. PWD. Shimla-8

SCHEDULE OF QUANTITY

(22)

Estimated cost:- 398766.00

Earnest Money:- 7980.00

Time :- One Month.

Name of work:- - S/R to various residential buildings under division no III Shimla (SH:-Repair of Toilets and repair of cupboards in Block- B Type IV Set No.7 Block-A Type -V set No 4 and repair of cupboards in set No 7 & 8 at Richmond Shimla.)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	0.44 Cum			Per cubic metre.	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	5.59 Sqm			Per square metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :including carriage of materials within all leads and lifts.Of area 3 sq. metres and below	1.00 No			Each	
4	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).	0.36 Cum			Per cubic metre.	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Mild steel and Medium Tensile steel bars.	43.20 Kg			Per Kilogramme	
6	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :including carriage of materials within all leads and lifts.35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood.	2.00 Sqm			Per square metre	
7	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	31.46 Sqm			Per square metre	
8	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	16.49 Sqm.			Per Square metre	

	Providing and fixing 19 mm thick commercial board in shelves, lining, box for cupboards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts	52.48	Sqm.			Per Square metre	
10	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	37.25	Sqm.			Per Square metre	
11	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 :6.0 mm thick coloured glass. including carriage of materials in all leads and lifts.	4.30	Sqm.			Per Square metre	
12	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	92.14	Rmt.			Per running metre	
13	Providing and fixing Aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 300x16 mm	1.00	No			Each	
14	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts:- 200mm x10mm.	2.00	No			Each	
15	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125mm.	2.00	No			Each	
	100mm	74.00	No			Each	
16	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.	74.00	No			Each	
17	2.0 mm thick pvc/rubber tiles flooring plain, coloured. corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	47.96	Sqm.			Per Square metre	
18	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.	183.50	Kg			Per Kilogramme	


19	Providing and fixing MS BP sheet 2.00 mm thick in eaves board /facia/ soffits/ ceiling including cutting fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (base members of steel work shall be measured and paid seperately).	3.41	Rmt.			Per running metre	
20	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.	5.59	Sqm.			Per Square metre	
21	Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x300mm..	14.87	Sqm.			Per Square metre	
22	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.	180.41	Sqm.			Per square metre.	
23	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.	3.20	Sqm.			Per square metre.	
24	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	145.61	Sqm.			Per square metre.	
25	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	364.74	Sqm.			Per square metre.	
26	Polishing coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler (Two or more coat on new wood)	63.11	Sqm.			Per square metre.	
27	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.	451.02	Sqm.			Per square metre.	

Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture	480.08 Sqm.		Per square metre.
29 Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	0.72 Cum		Per cubic metre.

CONDITION

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

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


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



SCHEDULE OF QUANTITY

Estimated Cost 244327.00
Earnest Money 4890.00


Time:- one month.

23

Name of work:- A/R and M/O Various residential buildings under division No III Shimla. (C/O P.C.C retaining wall, on upper side of Block A at Old MLA qtrs at Boileauganj Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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.	14.18 Cum.			Per Cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including getting out and disposal of excavated earth complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	24.30 Cum			Per cubic metre.	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	4.05 Cum			Per cubic metre.	
4	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	20.25 Cum			Per Cubic metre	
5	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	15.12 Cum			Per Square 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.	35.70 Sqm.					Per Cubic metre	
7	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.	7.56 Cum					Per running metre	
8	Providing weap holes in Brick Masonary/Stone masonry plain/reinforced concrete abutment, wing wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete.	22.95 Rmtr					Per cubic metre	
9	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	26.94 Cum					Per cubic metre	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						Total	
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.							


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

SCHEDULE OF QUANTITY

Estimated cost:- 294519.00
Earnest Money:- 5890.00
Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla (SH:-Repair of Toilets/bathroom and other miscellaneous repair work in set No 15 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	Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3.45 Cum			Per cubic metre.	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	27.94 Sqm			Per square metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead including carriage of materials within all leads and lifts. Of area 3 sq. metres and below	1.00 No			Each	
4	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials within all leads and lifts. 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood.	1.85 Sqm			Per square metre.	
5	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 100x10 mm	1.00 No			Each	
6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125mm.	2.00 No			Each	
7	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 : 4.0 mm thick Plain glass. Including carriage of materials in all leads and lifts.	2.88 Sqm			Per square metre	
8	Providing and fixing woven vellore carpet (unisex) or equivalent carpet of approved colour and shade of superior quality laid with approved adhesive on floor complete in all respect as per H.P.PWD. specifications in all leads and lifts including cost of materials and as per the direction of the Engineer-in-Charge.	19.34 Sqm			Per square metre	
9	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.	169.44 Sqm			Per square metre	

	Applying printing 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.	2.95 Sqm				Per square metre	
11	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	2.95 Sqm				Per square metre	
12	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : new work (Two or more coats) over and including water thinable printing coat with cement primer	423.59 Sqm				Per square metre	
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	169.44 Sqm				Per square metre	
14	Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture	182.25 Sqm				Per square metre	
15	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)	2.30 Sqm.				Per Square metre	
16	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	0.96 Cum				Per cubic metre.	
17	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622. of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 of approved sand), jointing with grey cement slurry @ 3.3 kg/ sqm including cement : 4 coarse sand), jointing with white cement and matching pigments etc., complete Size of grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.	7.68 Sqm.				Per Square metre	
18	Providing and laying glazed wall tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.	27.94 Sqm.				Per Square metre	
19	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	2.00 No				Each	
20	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	2.00 No				Each	
21	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	

	Providing and fixing single hole wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	3.00	No				Each	
23	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90mm. Providing and fixing PVC floor trap 110 X 90 mm dia size complete.	4.00	No				Each	
24	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	3.00	No				Each	
25	Providing and fixing Wall mixer 3-in-1 with provision for both overhead shower & telephonic shower with 140 mm long bend pipe with cartridge including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts.-Ess Cromia C-218A	2.00	No				Each	
26	Providing and fixing White chrome health faucet for water closet including carriage of materials within all leads and lifts:-Cat No. Reht 101	2.00	No				Each	
27	Providing and fixing toilet paper holder : C.P. brass including carriage of material within all leads and lifts	2.00	No				Each	
28	Providing and fixing 3 in 1 angular corner acrylic glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts	2.00	No				Each	
29	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	No				Each	
30	Providing and fixing 600mm X 20mm size Ess Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts.	2.00	No				Each	
31	Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	5.00	No				Each	
32	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore. including carriage of materials within all leads and lifts.	14.00	No.				Each	
33	Providing and fixing 15 mm dia CP Brass Angle Cock of approved quality and make including complete in all respect.	14.00	No.				Each	
34	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.	128.70	Rmt.				Per running metre	
35	Providing and fixing 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. Internal work - 15mm nominal size.	4.00	No.				Each	
37	Providing and fixing G.I unions in G.I pipe including cutting and threading the pipe and making long screw etc complete. carriage of materials within all leads and lifts							

	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.	12.30 Rmt.	Per running metre	
	75mm dia.	4.00 Rmt.	Per running metre	
39	Providing and fixing PVC Type B door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	2.00 No.	Each	
	75mm dia.	1.00 No.	Each	
40	Providing and fixing PVC finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	2.00 No.	Each	
	75mm dia.	1.00 No.	Each	
41	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	3.00 No.	Each	
	75mm dia.	1.00 No.	Each	
42	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	44.85 Cum	Per cubic metre.	

Draft schedule of quantity No.

For the year 2022-23 duly approved for Rs.294519/-

Rupees NIL Only

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

25

Estimated Cost 275675.00
Earnest Money 5510.00

Name of work:- A/R and M/O Various residential buildings under division No III Shimla. (Providing and Laying 150mm sewerline in old MLA Qtrs from block C to M.C Chamber, and other miscellaneous repair work.)

Time:- one month.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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.	30.15 Cum.			Per cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.	6.03 Cum.			Per cubic metre.	
3	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) 150mm dia.	90.50 Rmt			Per Running metre.	
4	Providing and fixing PVC Finolex type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 150mm nominal size.	16.00 No.			Each	
5	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	5.00 No.			Each	
6	Providing and fixing PVC finolex Type B offset 45degree ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts. 150mm.	20.00 No.			Each	

Providing and fixing PVC finolex type B single equal branch door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	15.00	No.			Each	
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:-150mm dia.	10.00	No.			Each	
Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular)	2.00	No.			Each	
10 Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 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	5.00	No.			Each	

SCHEDULE OF QUANTITY

(26)

Estimated Cost 128881.00
Earnest Money 2580.00
Time:- one month.

Name of work:- A/R and M/O High court Building Shimla. (SH:- Providing and laying Water supply pipe line from clarks Hotel region to high Premises)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 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 soils as directed, within a lead of 50 m.	5.63 Cum			Per cubic metre	
2	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 25 mm dia nominal bore	135.20 Rmtr			Per running metre	
3	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 25 mm dia nominal bore	8.00 No			Each	
4	Providing and fixing G.I. Elbow in G.I. pipe complete (New work) 25 mm dia nominal bore	14.00 No			Each	
5	Providing and fixing G.I. Nipple in G.I. pipe complete (New work) 1"x4" dia nominal bore	10.00 No			Each	
6	Providing and fixing G.I. Nipple in G.I. pipe complete (New work) 1"x 6" dia nominal bore	10.00 No			Each	
7	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge:- 25 mm nominal bore.	2.00 No.			Each	
8	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge:- 32 mm nominal bore.	1.00 No.			Each	
9	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge:- 80 mm nominal bore.	1.00 No.			Each	

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.

	1.62 Cum.					Per cubic metre.	
11	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied of approved brand and manufacture ncluding carriage of materials within all leads and lifts.	104.95 Sqm				Per square metre	
12	Wall painting with plastic emulsion 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.	146.41 Sqm.				Per square metre.	
13	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	102.49 Sqm.				Per square metre.	
14	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.	102.49 Sqm.				Per square metre.	
15	Melamine polishing on wood work (one or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	12.45 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/10sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	9.17 Sqm				Per square metre	
						Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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

SCHEDULE OF QUANTITY

Estimated cost:- 173827.00
Earnest Money:- 3480.00
Time :- One Month.

Name of work:- -A/R & M/O to various residential buildings under division no III Shimla. (SH:-Repair of Kitchen, W.S & S.I etc in set no 4 Type V 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	2.0mm thick PVC/rubber tiles flooring plain, coloured, corbed or mosaic or matted finish, of approved quality and brand 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.	78.70 Sqm			Per square metre	
2	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.	30.51 Sqm			Per square metre	
3	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.	20.22 Sqm			Per square metre	
4	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	3.00 No.			Each	
5	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :-Solid Type :-White plastic seat and cover.	4.00 No.			Each	
6	Providing and fixing Wall mixer with telephonic arrangement shower with crutch including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Ess Croma C-214A	3.00 No			Each	
7	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	2.00 No.			Each	
8	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curring and polishing etc. all complete as specified and as directed by the Engineer-in-Charge,complete including carriage of materials within all leads and lifts.Polished Granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	4.22 Sqm.			Per Square metre	

	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts	3.00 No.			Each	
10	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.	3.00 No.			Each	
11	Providing and fixing chromium plated soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws etc. complete including carriage of materials within all leads and lifts.	3.00 No.			Each	
12	Providing and fixing 3-in-1 Acrylic shelf with C.P. brass bracket and guard rail complete fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts :-	1.00 No			Per running metre	
13	Providing and fixing Ess-Ess make curtain rod 25mm dia including brackets, clamp etc. complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	35.40 Rmt.			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
20/11/20

SCHEDULE OF QUANTITY

28

Estimated cost:- 377568.00
Earnest Money:- 7550.00

Time :- One Month.

Name of work:- -S/R to various residential buildings under division no III Shimla (SH:-Repair of Flooring, Tile work, door windows, and sanitary fixtures of set No 44 of block no III Type IV 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)	2.05 Cum			Per cubic metre.	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.	67.59 Sqm			Per square metre	
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	0.26 Cum			Per cubic metre.	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within all lead as per direction of Engineer-in-charge complete including carriage of material within all leads and lifts.	0.30 Cum			Per cubic 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	2.00 No			Each	
6	Dismantling wooden boardings in flooring/ lining of walls and partitions, excluding supporting members but including stacking complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Thickness Upto 25mm to 40mm)	16.13 Sqm			Per square metre	

7	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.	13.48 Sqm		Per square metre	
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	16.77 Cum		Per cubic metre.	
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.53 Cum		Per Cubic meter	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	3.80 Cum		Per Cubic meter	
11	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajias, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	2.72 Cum		Per cubic metre.	
12	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Edges of slabs and breaks in floors and walls	3.41 Rmt.		Per running metre	
13	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.	326.40 Kg		Per Kilogramme	
14	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	1.35 Sqm		Per square metre	

15	Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacture), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x300mm..	31.24	Sqm.			Per Square metre	
16	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.	3.96	Sqm.			Per Square metre	
17	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 .s.	0.076	Cum			Per cubic metre.	
18	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	0.068	Cum			Per cubic metre.	
19	Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	6.10	Sqm.			Per Square metre	
20	Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.	40.00	Rmt.			Per running metre	
21	Providing and fixing 125 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	6.00	No			Each	

22	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts:- 200mm x10mm.	6.00	No			Each	
23	Providing and fixing Stainless steel sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 300x16 mm	1.00	No			Each	
24	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses/ Framed work etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete	389.31	Kg			Per Kilogramme	
25	Providing and fixing 7mm thick chequered steel plates including cutting welding complete in flooring over steel frame work to be paid seperately). including carriage of materials in all leads and lifts. As per direction of Engineer-in-charge.	443.85	Kg			Per Kilogramme	
26	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600mm	26.37	Sqm.			Per square metre.	
27	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials in all leads and lifts.	50.72	Sqm.			Per square metre.	
28	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.	50.72	Sqm.			Per square metre.	
29	20 mm cement plaster on the rough side of single or half brick wall of mix : 1:3 (1 cement: 3 fine sand) including carriage of materials in all leads and lifts.)	50.72	Sqm.			Per square metre.	
30	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	11.69	Sqm.			Per square metre.	

31	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture	6.10 Sqm.			Per square metre.	
32	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.	11.69 Sqm.			Per square metre.	
33	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	1.00 No			Each	
34	Providing and fixing wash basin with Pedestal C.I. brackets, , 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450x830mm with Pedestal: (ESSCO) Cat No-10001 and cat For Pedestal 11003.	1.00 No.			Each	
35	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	
36	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110mm X 75mm.Providing and fixing PVC floor trap 110 X 75 mm dia size complete.	3.00 No.			Each	
37	Providing and fixing high pressure PVC fnolex type A spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	6.10 Rmt.			Per running metre	
	75mm dia.	6.10 Rmt.			Per running metre	

38	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	2.00 No.			Each	
(ii)	75mm dia.	2.00 No.			Each	
39	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore. Internal work.	12.00 Rmt.			Per running metre	
					Total	

CONDITION

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


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


SCHEDULE OF QUANTITY

Estimated Cost 358704.00
Earnest Money 7170.00
Time:- one month.

Name of work:- A/R and M/O Various residential buildings under division No III Shimla. (Providing and Laying 150mm sewerline in old MLA Qtrs from block A to Block C ,C/O brick Masonry Manhole etc.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	33.00 Cum.			Per cubic metre.	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) Including carriage of materials within all leads and lifts.	6.60 Cum.			Per cubic metre.	
3	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) 150mm dia.	147.10 Rmt			Per Running metre.	
4	Providing and fixing PVC Finolex type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 150mm nominal size.	26.00 No.			Each	
5	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	
6	Providing and fixing PVC finolex Type B offset 45degree ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts. 150mm.	15.00 No.			Each	
7	Providing and fixing PVC finolex type B single equal branch door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	15.00 No.			Each	
8	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:-150mm dia.	6.00 No.			Each	

	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00 No.				Each	
10	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :inside size 80cmx80 cm and 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	6.00 No.				Each	
11	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	19.80 Cum				Per cubic metre	
12	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	8.00 No.				Each	
13	Providing and fixing vitreous China wash down water closet (European type W.C. pan) universal star white Hindware catalogue No. 20012 complete set with intergal P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (seat and cover to be measured and paid for separately) including carriage of materials within all leads and lifts.	1.00 No.				Each	
14	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :-Solid Type :-White plastic seat and cover.	1.00 No.				Each	

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	
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.