

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

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

10743

Dated:- 11-7-22

*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 19-07-2022 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 18-07-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 18-07-2022.

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

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Form No	Cost of form
1	A/R & M/O to various residential building under Shimla Division No.III (SH:- Repair of Sewerage line & GI pipe, painting etc. of Block No. 5&6 at Barnes Court Shimla-2).	Rs.1,89,272/-	Rs.3790/-	One Month	6&8	350/-
2	A/R & M/O various deposit works under Shimla Division No.III (SH:- Preparation of DPR/detailed estimate/ justification of various works).	Rs.1,46,320/-	Rs.2950/-	One Month	6&8	350/-
3	Special repair to various residential buildings under Shimla Division No.III (SH:-Providing and fixing cupboards, tiles, flooring, lining & painting, distempering including sanitary fittings etc. in block No. D-III/25 etc.) at Nabha Estate Shimla).	Rs.2,55,384/-	Rs.5150/-	One Month	6&8	350/-
4	A/R & M/O various residential and non residential buildings under Shimla Division No.III (SH:-Supplying of various materials for day to day repair and maintenance for various Sections under Shimla Sub-Division No.IX, at HP Sectt. Shimla).	Rs.4,36,428/-	Rs.8730/-	One Month	6&8	350/-
5	Construction of Sports Hall at Parking floor, Nirman Bhawan, Nigam Vihar, Distt. Shimla-HP (SH:-Construction of superstructure).	Rs.4,99,686/-	Rs.10000/-	One Month	6&8	350/-
6	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Removal of Debries near BTC block) at Nabha Estate Shimla).	Rs.2,25,675/-	Rs.4550/-	One Month	6&8	350/-
7	A/R & M/O various residential buildings under Shimla Division No.III (SH:-Providing and fixing flooring in block No.32/123, M-II/92, 94, block-25 type-III/62, G-III/77, 1/16 Royal Hotel etc.) at Nabha Estate Shimla).	Rs.2,01,747/-	Rs.4050/-	One Month	6&8	350/-
8	A/R & M/O various Non residential buildings under Shimla Division No.III (SH:- Construction of retaining wall back side of PWD store) at Nabha Estate Shimla).	Rs.3,43,123/-	Rs.6900/-	One Month	6&8	350/-
9	Special repair to DDUZ Hospital building at Shimla (SH:- Repair of Food Safety Section building & removal of muck from back side of building) at DDU Hospital Shimla).	Rs.1,90,907/-	Rs.3850/-	One Month	6&8	350/-
10	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Providing and fixing cupboards, tiles, flooring, marble including sanitary fittings etc. in block No. J-II/70, B-II/10 & L-III/1 etc.) at Nabha Estate Shimla).	Rs.1,90,222/-	Rs.3850/-	One Month	6&8	350/-
11	S/R to various residential buildings under Division No.III Shimla.(SH:- Renovation of kitchen, toilet, P/F PVC flooring and miscellaneous repair work in Old MLA qtrs. At Boileauganj Set C-8 type-II Shimla).	Rs.2,63,062/-	Rs.5260/-	One Month	6&8	350/-
12	S/R to various residential buildings under division No.III Shimla (SH:- Fencing of lawn area with steel work and welded mesh in front side of block Type-III and IV at U.S. Club Shimla).	Rs.3,51,011/-	Rs.7020/-	One Month	6&8	350/-
13	Special repair to various Non residential buildings under Shimla Division No.III (SH:- Repair of existing Garage) at Winder Field Shimla).	Rs.3,83,219/-	Rs.7700/-	One Month	6&8	350/-
14	S/R to various residential buildings under division No.III Shimla (SH:- Repair of cupboards, door windows, plastering work etc. in Block-IV set No. 48 at U.S. Club Shimla).	Rs.3,91,853/-	Rs.7840/-	One Month	6&8	350/-
15	Special repair to residential building under Shimla Division No.III (SH:- Construction of Temporary PWD enquiry/ Store room at Harvington Estate Lakkar Bazar Shimla).	Rs.4,24,233/-	Rs.8490/-	One Month	6&8	350/-
16	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Repair of cupboard, wire gauge shutters and painting/ distempering etc. in set No.13 type-III 2 nd floor at spring field at Chotta Shimla).	Rs.95,926/-	Rs.1920/-	One Month	6&8	350/-
17	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and laying floor floor and wall tiles, cupboard, painting & distempering, water supply and sanitary installation etc. in Set No.3 of Victoria Place at Nigam Vihar Shimla-2).	Rs.2,68,285/-	Rs.5370/-	One Month	6&8	350/-
18	Special repair to various residential building under Shimla Division No.III (SH:- Renovation of WC, Bathroom, kitchen, painting and distempering etc. in New Block Type-I Quarters at Barnes Court Shimla-2).	Rs.3,47,324/-	Rs.6950/-	One Month	6&8	350/-
19	Special repair to various residential buildings under Shimla Division No.III (SH:- covering of balcony with transparent sheet, welded mesh, wood work, eaves board, weather board in block No. 20/2 TF, Type-VI) at Nabha Estate Shimla).	Rs.3,81,365/-	Rs.7650/-	One Month	6&8	350/-

20	Special repair to various residential building under Shimla Division No.III (SH:-Renovation of First floor Balcony with steel sheet in roofing, glazing work in windows and Balcony, ACP sheet etc. in Park-7 Building Nigam Vihar Shimla).	Rs.3,03,143/-	Rs.6070/-	One Month	6&8	350/-
21	Special repair to various residential buildings under Shimla Division No.III (SH:- Covering of front side Courtyard & Verandah in block No.2 at Marlin Park & construction of steel structure) at Nabha Estate Shimla).	Rs.3,14,285/-	Rs.6300/-	One Month	6&8	350/-
22	Special repair to various residential building under Shimla Division No.III (SH:- Renovation of WC, Bathroom, kitchen, painting and distempering etc. in New Block Set No. 1 and 2 Ground floor at Barnes Court Shimla-2).	Rs.2,35,328/-	Rs.4710/-	One Month	6&8	350/-
23	Extension of Mess MBBS & BDS Girls Hostel at Blessington Estate Lakkar Bazar Shimla (SH; - P/L C.C. 1:2:4, Steel work C.C. 1:3:6, Partition wall, prepainted sheet roofing and painting etc.) (Balance work).	Rs.4,95,616/-	Rs.9920/-	One Month	6&8	350/-
24	A/R & M/O to Raman Hostel (Boys) Holly Oak at Sanjauli Shimla (SH:- Providing synthic enamel paint, plastic emulsion, Acrylic exterior paint and scaffolding etc. Top floor and stair Portion).	Rs.4,17,936/-	Rs.8360/-	One Month	6&8	350/-
25	A/R & M/O various residential and non residential buildings under division No.III Shimla (SH: - Providing & supplying various day to day materials for V/Sabha Sub-Division).	Rs.2,70,187/-	Rs.5400/-	One Month	6&8	350/-
26	Special repair to Gaiety Theatre The Mall Shimla (SH:- Painting & varnishing etc.	Rs.2,06,007/-	Rs.4150/-	One Month	6&8	350/-
27	A/R & M/O Armsdale Building at HP Secretariat Shimla-2 (SH: - Dismantling of RCC wall near entry point and disposal etc.).	Rs.2,56,608/-	Rs.5140/-	One Month	6&8	350/-
28	A/R & M/O Armsdale Building at HP Secretariat Shimla-2 (SH: - Providing and fixing full body vitrified tiles in washing area of Canteen in Armsdale building).	Rs.3,56,576/-	Rs.7140/-	One Month	6&8	350/-
29	Improvement of Geometrics on Navbhar to Holly Lodge Road Km. 0/00 to 2/670 (SH: - C/O retaining wall at RD. 0/063 to 0/069.50).	Rs.4,99,271/-	Rs.9990/-	One Month	6&8	350/-
30	A/R & M/O Armsdale Building at HP Secretariat Shimla-2 (SH:-Cutting of trees from approach road to Armsdale building etc.).	Rs.1,56,226/-	Rs.3130/-	One Month	6&8	350/-
31	Special repair to DDUZ hospital building at Shimla. (SH:- Providing and fixing new short and smooth down slope route of water to maintain water level in building tanks & emergency water tanks).	Rs.4,99,985/-	Rs.10000/-	One Month	6&8	350/-
32	S/R to various residential building under Division No.III Shimla (SH: - Repair of roof of set No. 16 Type-V at Richmond Shimla).	Rs.4,04,130/-	Rs.8080/-	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,
H.P. PWD Shimla-3.

Dated:-

11-7-22

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

SCHEDULE OF QUANTITY

1

Estimated Cost Rs. :- 189272.00
Earnest Money Rs. :- 3790.00


Time:- One Month.

Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Repair of Sewerage line & G.I. Pipe ,
Painting etc of Block No. 5 & 6 at barnes court Shimla-2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including 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.	19.50 Cum			Per cubic meter	
2	Providing and fixing high pressure PVC Finolex Type-A spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete. including Carriage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge.. (i) 110 mm	48.00 Rmt			Per Running Metre	
2.1	(ii) 150 mm	39.00 Rmt			Per Running Metre	
3	Providing and fixing PVC (Finolex) plain bend Type-A ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.	6.00 No.			Each	
3.1	(ii) 150 mm	6.00 No.			Each	
4	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(i) Internal work - Exposed on wall (a) 15 mm dia nominal bore	120.00 Rmt			Per Running Metre	
5.00	Providing and fixing stainless steel kitchen sink of size 470mm X 420mm with bowl depth 178mm size with C. I. or M. S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.	3.00 No.			Each	
6.00	Providing and fixing 15mm dia C.P. brass bib tap with capstan head including C.P. flange and carriage of materials within all leads and lifts.	20.00 No.			Each	
7.00	Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts.	20.00 No.			Each	

8	Constructing manhole with R.C.C top slab in 1:2:4 mix in 1 cement 2 sand 4 graded stone aggregate 20mm nominal size) foundation concrete 1:4:8 (1 cement 4 sand 8 graded stone aggregate 40mm nominal size inside plastering 15mm thick with cement mortar 1:3 (1 cement 3 sand) finished with a floating coat of neat cement and making channels in concrete 1:2:4 mix (1 cement 2 sand 4 graded stone aggregate 20mm nominal size) finished smooth complete including curmg and testing:- inside size 800mm x 800mm and 500 mm deep including 600mm dia precast R.C.C. covers of NTC make or equivalent manhole cover with frame (medium duty) with 200mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement : 3 sand) including carriage of materials within all leads and lifts.	3.00	No.			Each	
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.	19.50	Cum			Per cubic 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.
- iv Recovery of usefull bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


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

27

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

146320.00
2950.00
One Month

Name of work:-A/R & M/O Various deposit works under Shimla Division No. III (SH:-Preparation of DPR/detailed estimate/justification of various works)

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In	In Words		
1	Preparation of detailed working estimate/justification alongwith analysis of rates of various works. The estimate and analysis of rate have to be submitted to under signed and any objections/corrections in the estimate/analysis of rate to be attended and final copy of the same to be supplied to under signed complete in all respect.	8.00 Job			Per Job	
CONDITION:-					Total:-	

i) Rates should be quoted for complete job as specified above.

ii) Any addition/correction in DPR/estimate/analysis of rate will be carried out by the contractor.


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

DRAFT SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

255384.00
5150.00
One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, flooring, lining & painting, distempering including sanitary fittings etc in block No. D-III/25 etc) at Nabha Estate Shimla.


Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) including carriage of materials in all leads and lifts as per direction of the Engineer- in- charge.	2.12 Cum			Per Cubic metre.	
2	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) complete in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	26.73 Sqm			Per square meter	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	2.12 Cum			Per Cubic meter	
4	Providing and fixing 19mm thick Commercial board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	14.68 Sqm.			Per square metre.	
5	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	16.58 Sqm.			Per square metre.	
6	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.	18.00 Sqm.			Per square metre.	
7	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.	80.00 Rmt.			Per running metre.	
8	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	39.00 No.			Each	
9	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.	31.00 No.			Each	
10	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.	14.68 Sqm.			Per Square metre	
11	1.5 mm thick pvc/rubber tiles flooring (L.G. Make or equivalent) plain, coloured. corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of materials within all leads and lifts.	31.52 Sqm.			Per square metre	
12	Providing and fixing 1st quality ceramic glazed wall tiles 300x450mm conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. including carriage of materials within all leads and lifts.	21.37 Sqm.			Per square meter	
13	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4(1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. including carriage of materials within all leads and lifts.	26.73 Sqm			Per square meter	
14	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) Area of slab upto 0.50 sqm including carriage of materials within all leads and lifts. Baroda green marble.	3.12 Sqm			Per square meter	
15	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work including carriage of materials within all leads and lifts.	4.10 Rmt.			Per running meter	
16	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.	42.62 Sqm			Per square meter	

17	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	42.62 Sqm			Per square meter
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :-one or more coats on old work including carriage of materials and as per the direction of the Engineer-in-Charge.	115.92 Sqm			Per square meter
19	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.-Two or more coats on new work including carriage of materials within all leads and lifts.	186.06 Sqm			Per square meter
20	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.including carriage of materials and as per the direction of the Engineer-in-Charge.	93.03 Sqm			Per square meter
21	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.	93.03 Sqm			Per square meter
22	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, l/c cutting and making good the walls etc 15 mm dia nominal bore including carriage of materials within all leads and lifts.	16.06 Rmt.			Per running meter
23	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 in all leads and lifts.	1.00 No.			Each
24	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	1.00 No.			Each
25	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.	1.00 No.			Each
26	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.-32 mm dia including carriage of materials within all leads and lifts.	2.00 No.			Each
27	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts.15 mm nominal bore.	5.00 No.			Each
28	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	2.00 No.			Each
29	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials within all leads and lifts.	6.00 No.			Each
30	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials within all leads and lifts.	4.00 No			Each
31	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials within all leads and lifts :- 32 mm dia.	1.00 No.			Each
32	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	3.00 No.			Each
33	Providing and fixing high pressure PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.	5.33 Rmt.			Per running metre.
34	Providing and fixing 110mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	3.00 No.			Each
35	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	3.00 No			Each
36	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm nominal size.	3.00 No.			Each
37	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	3.00 No			Each
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-173003

(4)

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 436428.00

Earnest Money Rs. :- 8730.00

Time:- One Month.

Name of work: - A/R & M/O various Residential and non residential buildings under Shimla Division NO.III (SH:- Supplying of various Materials for day to day Repair and Maintenance for Various Sections under Shimla Sub Division No.IX, at HP Sectt. Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and Supplying Nails All Sizes 50 mm to 150 mm Dia including carriage of materials within all leads and lifts	22.00 kg			Per/kg	
2	Providing and Supplying Wooden Screws size 20mm and 25 mm Dia (100Pcs Pkt) including carriage of materials within all leads and lifts	12.00 Pkt			Per/Pkt	
3	Providing and Supplying Phenyle White 750 ml including carriage of materials within all leads and lifts	10.00 No			each	
4	Providing and Supplying Hand Wash Riffels Large including carriage of materials within all leads and lifts	6.00 No			each	
5	Providing and Supplying Nariyal Broom Standard including carriage of materials within all leads and lifts	10.00 No			Each	
6	Providing and Supplying Phool Brooms Superiors including carriage of materials within all leads and lifts	11.00 No			Each	
7	Providing and Supplying Table Duster 12*12 including carriage of materials within all leads and lifts	14.00 No			each	
8	Providing and Supplying Floor Duster Large 22*22 including carriage of materials within all leads and lifts	18.00 No			each	
9	Providing and Supplying CP Sink Waste 110mm Heavy Duty including carriage of materials within all leads and lifts	18.00 No			each	
10	Providing and Supplying Brass Spandle for Bib Cock 15mm including carriage of materials within all leads and lifts	23.00 no			each	
11	Providing and Supplying CP Brass Wash Basin Mixture Complete 15mm including carriage of materials within all leads and lifts	10.00 no			each	
12	Providing and Supplying CP Brass Sink Mixture Complete 15mm including carriage of materials within all leads and lifts	7.00 no			each	
13	Providing and Supplying CP Brass Wall Mixture (Non Telephonic)complete 15mm including carriage of materials within all leads and lifts	4.00 no			per ltrs	
14	Providing and Supplying G.M.Ball Gate Valves with PVC Liver Handle Size 15mm including carriage of materials within all leads and lifts	13.00 no			each	
15	Providing and Supplying Leak Stop Superior including carriage of materials within all leads and lifts	10.00 kg			Per/Kg	
16	Providing and Supplying CP Brass Bib Cock Sikko Deluxe Hot&Cold Heavy Duty Size 15mm including carriage of materials within all leads and lifts	21.00 no			Each	
17	Providing and Supplying CP Brass Angel Stop Cock Sikko Deluxe Hot&Cold Heavy Duty Size 15mm including carriage of materials within all leads and lifts	24.00 no			Each	
18	Providing and Supplying Helical Door Spring Yen/G.P. Heavy Duty including carriage of materials within all leads and lifts	11.00 no			Each	
19	Providing and Supplying Ball Cock With Float Ball Complete 15mm Dia including carriage of materials within all leads and lifts	15.00 no			Each	
20	Providing and Supplying Flushing Cistern Complete with all Internal Fitting 10 Ltrs Capacity including carriage of materials within all leads and lifts	7.00 No			Each	
21	Providing and Supplying PVC Connection Hot&Cold Size 15*450mm including carriage of materials within all leads and lifts	33.00 No			Each	
22	Providing and Supplying PVC Connection Hot&Cold Size 15*600mm including carriage of materials within all leads and lifts	28.00 No			Each	
23	Providing and Supplying EWC Seat Cover (European) Complete with Hinges Solid including carriage of materials within all leads and lifts	8.00 No			Each	

24	Providing and Supplying EWC Seat Cover (Anglo Indian) Complete with Hinges Solid including carriage of materials within all leads and lifts	8.00 No			Each
25	Providing and Supplying CP Brass Health Focet Zet ESS-ESS Make with Hook and Pipe Complete 15mm Dia including carriage of materials within all leads and lifts	6.00 No			Each
26	Providing and Supplying M.S.Curtain Rod Powder Coated Size 25mm*12ft Long including carriage of materials within all leads and lifts	10.00 no			Each
27	Providing and Supplying Brass Bib Cock Medium including carriage of materials within all leads and lifts	12.00 No			Each
28	Providing and Supplying Glass Pan 4mm Thick including carriage of materials within all leads and lifts	216.00 Sqft			PerSqft
29	Providing and Supplying Health Focet Zet with Hook and Lead 15mm including carriage of materials within all leads and lifts	14.00 No			Each
30	Providing and Supplying Milky Frosted Glass 5mm Thick White Shade including carriage of materials within all leads and lifts	72.00 Sqft			Each
31	Providing and Supplying Acrylic Corner Bath Set of 3 Pcs*8mm Thick with Angel Support including carriage of materials within all leads and lifts	5.00 Set			Each
32	Providing and Supplying PVC Kit for Low Level Cistern only including carriage of materials within all leads and lifts	9.00 No			Each
33	Providing and Supplying P.G.I. Sheet Tank Cover with Haps and Stepples 50mm with Hinges complete including carriage of materials within all leads and lifts	9.00 No			Each
34	Providing and Supplying CP Lactch Lock with Pair of Handles 6 Liver for Door Plaza or Equilant including carriage of materials within all leads and lifts	7.00 No			Each
35	Providing and Supplying S.S.Stainless Pudestrial Dustbin with Cover Heavy Duty 12 Ltrs Capacity including carriage of materials within all leads and lifts	4.00 No			Each
36	Providing and Supplying Hydraulic Door Closer Superior including carriage of materials within all leads and lifts	28.00 No			Each
37	Providing and Supplying Polycarbonate Sheet 2mm Thick Transparent Size 10Ft *3Ft including carriage of materials within all leads and lifts	60.00 Sqft			Each
38	Providing and Supplying CP Jet Complete with Pipe and Lead 15mm including carriage of materials within all leads and lifts	12.00 No			Each
39	Providing and Supplying Brass Ball Cock with Float Ball Complete 20mm Heavy Duty including carriage of materials within all leads and lifts	9.00 No			Each
40	Providing and Supplying PVC Waste Pipe 32mm Heavy duty Plain including carriage of materials within all leads and lifts	28.00 No			Each
41	Providing and Supplying Brass Water Meter Kranti/Dashmesh ISI Marked Size 15mm including carriage of materials within all leads and lifts	6.00 No			Each
42	Providing and Supplying Brass Water Meter Kranti/Dashmesh ISI Marked Size 40mm including carriage of materials within all leads and lifts	2.00 No			Each
43	Providing and Supplying PVC Cistern Handle for PVC Low Level Cistern Only including carriage of materials within all leads and lifts	19.00 No			Each
44	Providing and Supplying Brass Water Meter Kranti/Dashmesh ISI Marked Size 20mm including carriage of materials within all leads and lifts	1.00 No			Each
Conditions:-					Total

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

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

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

SCHEDULE OF QUANTITY

5

Estimated Cost Rs. :- 499686.00

Earnest Money Rs. :- 10000.00

Time:- One Month.

Name of work: -Construction Of Sports Hall at Parking Floor, Nirman Bhawan, Nigam Vihar, Distt . Shimla-HP (SH:- Construction of Superstructure)



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. and then disposing of all excavated earth as directed by the Engineer-In charge, within all leads, lifts of materials and other incidentals.(i) All Kinds of Soil	1.08	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 40 mm nominal size)	1.30	Cum			Per Cubic Metre	
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of material in all leads and lifts :-	4.93	Cum			Per Cubic Metre	
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement : 4 coarse sand)	25.78	Sqm			Per Square Metre	
5	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).(i) Second Class Deodar Wood	0.351	Cum			Per Cubic Metre	
6	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	16.61	Sqm			Per Square Metre	
7	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) (a) Second class Deodar wood (i) 40mm thick shutters	24.26	Sqm			Per Square Metre	

8	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 : 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class Deodar wood	7.38	Sqm			Per Square Metre	
9	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	19.95	Sqm			Per Square Metre	
10	Providing and fixing 19mm (Nineteen millimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	4.70	Sqm			Per Square Metre	
11	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	3.08	Sqm			Per Square Metre	
12	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. (i) Fixed to openings /wooden frames with rawl plugs screws etc.	181.44	KG.			Per Kilogramme	
13	Providing and fixing C.P. 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) 300x16mm	4.00	No			Each	
14	Providing and fixing C.P. 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	5.00	No			Each	
15	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 200x10mm	8.00	No			Each	
16	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	5.00	No			Each	
17	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 100x10mm	28.00	No			Each	
18	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	54.00	No			Each	
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 :(i) 75mm	8.00	No			Each	
20	Providing and fixing Oxidised Single Acting door spring with necessary Screws (superior quality).(i) 150mm	4.00	No			Each	
21	Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete :(i) 90mm	20.00	No			Each	
22	Providing and fixing bright finished brass hard drawn hooks and eyes :(i) 150mm	70.00	No			Each	

23	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	12.45	Rmt.			Per Running metre	
24	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.	3.26	Sqm			Per Square Metre	
25	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	20.00	No			Each	
26	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).	41.00	No			Each	
27	Providing and fixing curtain rods of 25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :	12.60	Rmt.			Per Running metre	
28	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.(i) Single rubber stopper	4.00	No			Each	
29	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mm	48.51	Sqm			Per Square Metre	
30	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	0.83	Sqm			Per Square Metre	
31	Providing and laying matt finished vitrified tile of approved size and Shade & Quality having with water absorption less than 0.5% and conforming to IS: 15622 outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	2.76	Sqm			Per Square Metre	

32	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 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.	10.78	Sqm			Per Square Metre	
33	Painting on steel work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	5.00	Sqm			Per Square Metre	
34	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	13.40	Sqm			Per Square Metre	
35	15 mm cement plaster on the Fair side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	47.21	Sqm			Per Square Metre	
36	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)	47.21	Sqm			Per Square Metre	
37	Finishing walls with wheather proof Exterior grade emulsion (Apexultima) of required shade including carriage of materials in all leads and lifts (i) New work (Two or more coats	40.10	Sqm			Per Square Metre	
38	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.(I) Two coats	73.55	Sqm			Per Square Metre	
39	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.	73.55	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.
- iv Recovery of usefull bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


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


6
SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

225675.00
4550.00
One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Removal of Debries near BTC block) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	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.	300.90 Cum			Per cubic 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

(7)

SCHEDULE OF QUANTITY

Estimated cost:-

201747.00

Earnest Money:-

4050.00

Time :-

One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing flooring in block No. 32/123, M-II/92,94, block-25 type-III/62, G-III/77, 1/16 Royal Hotel etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	1.5 mm thick pvc/rubber tiles flooring (L.G. Make or equivalent) plain, coloured. corbed or mosaic or mottled 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.	224.16 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

343123.00
6900.00
One Month

Name of work:-A/R & M/O Various Non residential buildings under Shimla Division No. III (SH:-Construction of retaining wall back side of PWD store) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in hepth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge All kinds of soil including carriage of materials within all leads and lifts.	18.36 Cum			Per Cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 25 mm nominal size) including carriage of materials within all leads and lifts.	67.82 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.	84.41 Sqm			Per square meter	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	18.00 Rmt.			Per Running meter	
5	Disposal of moorum/building rubbish/maiba/ 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.	7.34 Cum			Per cubic meter	
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.II.
HP.PWD.Shimla-171003

9

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

190907.00
3850.00
One Month

Name of work:-Special repair to DDUZ hospital building at Shimla. (SH:-Repair of Food Safety Section building & removal of muck from back side of building) at DDU hospital Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.-Two or more coats on new work including carriage of materials within all leads and lifts.	11.20 Sqm			Per square meter	
2	Finishing walls with Acrylic Smooth exterior emulsion of required shade Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface including carriage of materials and as per the direction of the Engineer in-Charge.	17.44 Sqm			Per square meter	
3	Disposal of moonum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 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.	83.59 Cum			Per Cubic metre.	
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials within all leads and lifts.	1036.00 Kg			Per Killogramme	
5	Providing and fixing M.S. welded mesh 25mmX25mmX2mm 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.	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 NQ.III
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

10

Estimated cost:- 190222.00
 Earnest Money:- 3850.00
 Time :- One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, flooring, marble including sanitary fittings etc in block No. J-II/70, B-II/10 & L-III/1 etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	25.68 Sqm.			Per square metre	
2	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	6.39 Sqm.			Per square metre.	
3	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	20.46 Sqm.			Per square metre.	
4	Providing and fixing 0.80mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	22.82 Sqm.			Per square metre.	
5	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.	24.72 Rmt.			Per running metre.	
6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	11.00 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.	14.00 No.			Each	
8	1.5 mm thick pvc/rubber tiles flooring (L.G. Make or equivalent) plain, coloured. corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	49.86 Sqm			Per square metre.	
9	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete With 2nd class deodar wood beading 40x12 mm including carriage of materials within all leads and lifts as per direction of Engineer-in-	0.38 Sqm			Per square meter	
10	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Area of slab over 0.50 sqm including carriage of materials within all leads and lifts.	3.27 Sqm.			Per square meter	
11	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work including carriage of materials within all leads and lifts.	3.83 Rmt.			Per running meter	
12	Providing and fixing 1st quality ceramic glazed wall tiles of size 450x300mm conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials within all leads and lifts.	27.54 Sqm			Per square meter	
13	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.	26.85 Sqm			Per square meter	
14	Painting on wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm of approved brand and manufactur including carriage of materials within all leads and lifts.	26.85 Sqm			Per square meter	
15	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.15 mm dia nominal bore Internal work including carriage of materials in all leads and lifts.	12.00 Rmt			Per running metre	
16	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials in all leads and lifts.	5.00 No.			Each	

17	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts.	5.00 No.			Each	
18	Providing and fixing uplasticised PVC connection pipe with brass unions 45cm length 15 mm nominal bore length including carriage of materials within all leads and lifts.	6.00 No.			Each	
19	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	4.00 No.			Each	
20	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	3.00 No.			Each	
21	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 Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.	1.00 No			Each	
22	Providing & Supplying CP brass wash basin mixer complete 15mm dia including carriage of materials in all leads and lifts.	1.00 No.			Each	
23	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No.			Each	
24	Providing and fixing 10.00 liter capacity PVC low level flushing cistern Hind ware sleek ultra of size 42 X 39 X 14cm or equivalent with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and overflow pipe, 40mm dia C. P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow) pipe to be measured and paid for separately including carriage of materials within all leads and lifts.	1.00 No.			Each	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.11.
HP.PWD.Shimla-11/003

SCHEDULE OF QUANTITY

(11)

Name of work:- S/R to various residential buildings under division no III Shimla. (SH):- Renovation of kitchen, toilet, P/F PVC flooring and miscellaneous repair work in Old MLA qtr at Boileauganj Set C-8 type II Shimla)

Estimated Cost Rs. :- 263062.00
Earnest Money Rs. :- 5260.00

Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : including carriage of materials within all leads and lifts.	3.00 No			Each	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For thickness of tiles 10 mm to 25 mm	48.41 Sqm			Per square metre	
3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.- Cement mortar 1:4 (1 cement : 4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	6.27 Sqm			Per square metre	
4	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)	0.59 Cum			Per Cubic metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.59 Cum			Per Cubic metre	
6	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	11.93 Sqm.			Per square metre.	
7	Dubbing out an old irregular walls average 15mm thick with cement mortar 1:6 (1 Cement : 6 sand) including carriage of materials in all leads and lifts.	52.04 Sqm.			Per square metre.	
8	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform.	2.60 Sqm.			Per square metre.	
9	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).	0.16 Cum			Per Cubic metre	
10	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.	16.00 Kg.			Per kilogramme.	
11	Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	11.67 Sqm.			Per Square metre	
12	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately), complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Size of Tile 600x600 mm.	50.48 Sqm.			Per Square metre	

13	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.	72.46 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.	43.48 Sqm.	Per square metre.	
15	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinable priming coat with cement primer	72.46 Sqm.	Per square metre.	
16	Painting wood work with Deluxe Multi Surface Paint to give an even shade. one or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture	64.10 Sqm.	Per square metre.	
17	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.complete including Carriage of materials within all leads and lifts.Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	2.82 Sqm.	Per square metre.	
18	Extra for pre finished nosing to treads of steps of Polished Granite stone complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.			
19	Painting steel work with Deluxe Multi Surface Paint of required shade. one or more coat applied @ 0.90 ltr/10 sqm .complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	3.25 Rmtr	Per runningmetre	
20	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - 15mm nominal dia.	8.58 Sqm.	Per square metre.	
21	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	48.96 Rmtr	Per running metre.	
22	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	1.62 Sqm.	Per square metre.	
23	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.	3.92 Sqm.	Per square metre.	
24	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (summica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	3.93 Sqm.	Per square metre.	
25	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.	3.93 Sqm.	Per square metre.	
26	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.	16.80 Rmtr	Per runningmetre	
27	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	10.14 Sqm.	Per square metre.	
28	Providing and fixing ESS-ESS curtain rod 25mm dia with brackets, end finials and screws etc. complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	17.60 Rmtr	Per square metre.	
			Per runningmetre	

29	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 all leads and lifts.	1.00	No.			Each	
30	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630mm x 450mm with a pair of 15 mm C.P. brass pillar taps:- Hindware catalogue No. 10001.	1.00	No.			Each	
31	Providing and fixing 15mm (fifteen millimetre) nominal bore C.P. angle cock of ESS ESS catalogue No. C-204 or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.	8.00	No			Each	
32	Providing and fixing Wall mixer non telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121	1.00	No			Each	
33	Providing and fixing Central hole basin mixer without pop-up waste system with 450 mm long flexible hose.cluding carriage of materials within all leads and lifts:-Cat No. C-211A	1.00	No.			Each	
34	Providing and fixing Sink mixer with regular swinging spout wall mounted arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-122B	1.00	No			Each	
35	Providing and fixing 600mm X 20mm size C. P. Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts:-ESS ESS catalogue No. AC-101.	1.00	No.			Each	
36	Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-703.	4.00	No.			Each	
37	Providing and fixing 460mm x 130mm acrylic glass shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts:- ESS ESS catalogue No. AC-307.	1.00	No.			Each	
38	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 make viking	5.00	No.			Each	
39	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	
40	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts. including carriage of materials within all leads and lifts	2.00	No.			Each	
41	Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts	8.00	No.			Each	
42	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No.			Each	
43	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :	1.00	No.			Each	
44	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts. (New work):- 15mm nominal bore.	10.00	No.			Each	

45	Providing and fixing C.P. brass bib cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts:-ESS ESS catalogue No. C-202B.	3.00	No.			Each	
46	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90 mm.	4.00	No.			Each	
47	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	10.00	Rmtr			Per running metre	
(ii)	110mm dia	10.00	Rmtr			Per running metre	
48	Providing and fixing PVC collars 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	
49	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	4.00	No.			Each	
(ii)	75mm dia.	4.00	No.			Each	
50	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	2.00	No.			Each	
ii	75mm dia.	2.00	No.			Each	
51	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 coloured glass.	2.69	Sqm.			Per square metre.	
52	Providing and fixing frosted glass 4mm thick for partition of including fitting complete including carriage of materials in all leads and lifts.	1.51	Sqm.			Per square metre.	
53	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.	4.22	Cum			Per Cubic metre	

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

ii Useful materials will be handed over to the Assistant Engineer, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

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

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

SCHEDULE OF QUANTITY

191

Estimated Cost Rs. :- 351011.00

Earnest Money Rs. :- 7020.00

Time:- One Month.



Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Fencing of lawn area with steel work and welded mesh in front side of block Type III and IV at U.S Club Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within all lead as per direction of Engineer-in-charge complete including carriage of material within all leads and lifts.	1.55 Sqm.			Per cubic metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	1.07 cum			Per cubic metre.	
3	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.	3.19 cum			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	3.19 cum			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.	2567.23 Kg			Per /Kilogrammeg	
6	Providing and fixing welded mesh 25mm x 25mm X 3mm thick as per approved design by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I including carriage of materials upto all leads and lifts.	93.00 Sqm.			Per square metre	
7	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture complete including carriage of material within all leads and lifts.	93.00 Sqm.			Per square metre	

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 II HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

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


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


SCHEDULE OF QUANTITY

131

Estimated cost:-
Earnest Money:-
Time :-

383219.00
7700.00
One Month

Name of work:- Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Repair of existing Garage) at winter field Shimla.

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 hepth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge All kinds of soil including carriage of materials within all leads and lifts.	20.09 Cum			Per Cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	4.30 Cum			Per Cubic meter	
3	Centering and shuttering including strutting, propping etc. and removal of form for lintels, beams, plinth beams, girders, bressumers and cantilevers including carriage of materials within all leads and lifts.	22.56 Sqm.			Per square meter	
	ii) Suspended floors, roofs, landings, balconies and access platform.	24.91 Sqm.			Per square meter	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in-charge In Foundation and plinth	3.84 Cum			Per cubic metre.	
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	5.70 Cum			Per cubic meter.	
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, helves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	8.74 Cum			Per Cubic meter	
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars including carriage of materials within all leads and lifts.	1474.00 Kgs.			Per Killogramme	
8	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering and of binding materials moorum or earth etc. complete as per H.P.PWD specification.	1.87 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 :1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	1.25 Cum			Per Cubic meter	
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 V level Cement mortar 1:4 (1 cement : 4 coarse sand) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	18.82 Sqm			Per square meter	

11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :-Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of materials within all leads and lifts.	7.52 Cum			Per Cubic meter	
12	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials within all leads and lifts.	1.36 Cum			Per cubic metre	
13	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.	3.83 Cum			Per Cubic metre.	
14	Dismantling roofing including ridges, hips, valleys and gutters etc and stacking the materials within 50 metres lead of G.S. Sheet including carriage of materials within all leads and lifts. G.S. Sheet/prepainted sheet.	27.25 Sqm			Per square meter.	
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. 111
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

14

Estimated Cost Rs. :- 391853.00

Earnest Money Rs. :- 7840.00

Time:- One Month.

Name of work:-S/R to Various residential buildings under division no III Shimla. (SH:- Repair of cupboards, door windows, Plastering work etc in Block-IV set No 48 at U.S club Shimla.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling doors, windows and clerestory windows (steel or wood) C277 shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead	2.00	No			Each	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For thickness of tiles 10 mm to 25 mm	13.32	Sqm.			Per square metre.	
3	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.	0.55	Cum			Per cubic metre	
4	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 above 40 mm up to 75 mm	13.5	Sqm.			Per square metre.	
5	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	20.11	Sqm.			Per square metre.	
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, alconies, 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).	0.16	Cum			Per cubic metre	
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Suspended floors, roofs, landings, balconies and access platform	1.89	Sqm.			Per square metre.	
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bars. complete including carriage of materials within all leads and lifts.	19.2	Kg			Per Kilogramme	
9	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	4.11	Sqmtr			Per Square metre	

10	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. complete including carriage of materials within all leads and lifts. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	2.31	Sqmtr			Per Square metre	
11	Providing edge moulding to granite counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	2.70	Rmt.			Per running metre.	
12	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). Deodar wood	0.128	Cum			Per cubic metre	
13	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	1.38	Cum			Per cubic metre	
14	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	4.45	Sqmtr			Per Square metre	
16	Providing and fixing 9mm ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	57.60	Sqmtr			Per Square metre	
17	Providing and fixing hard wood plain square edged cover fillets (beading) 60mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	272.60	Rmt.			Per running metre.	
18	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	22.19	Sqmtr			Per Square metre	
19	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	20.71	Sqmtr			Per Square metre	
20	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	62.77	Sqmtr			Per Square metre	
21	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.	34.09	Sqmtr			Per Square metre	

22	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	78.85	Rmt.			Per running metre.	
23	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 :100mm.	40.00	No			Each	
24	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.	40.00	No			Each	
25	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.	64.89	Sqm.			Per square metre.	

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 II HPPWD, Shimla, otherwise credit for useful materials will be charged.

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

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

SCHEDULE OF QUANTITY

15

Estimated Cost Rs. :- 424233.00

Earnest Money Rs. :- 8490.00

Time:- One Month.

Name of work: -Special Repair to Residential Building under Shimla Division No. III(SH:- Construction of Temporary PWD enquiry/Store room at Harvington Estate Lakkar Bazar Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) All kinds of soil	1.05	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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	2.57	Cum			Per Cubic Metre	
3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor 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).	2.15	Cum			Per Cubic Metre	
4	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	172.00	Kg			Per Kilogramme	
5	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. (a) Granite of any colour and shade (i) Area of slab upto 0.50 sqm	1.20	Sqm			Per Square Metre	
6	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. (i) Granite work	3.20	Rmt.			Per Running Metre	
7	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) (a) Second class Deodar wood (i) 35 mm thick shutters	8.29	Sqm			Per Square Metre	
8	Providing and fixing 19mm (Nineteen milimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	15.75	Sqm			Per Square Metre	

9	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	3.00	Sqm			Per Square Metre	
10	Providing and fixing 1 mm thick lamination sheet of approved shade and quality fixed with approved adhesive and nails complete including carriage of material within all leads and lifts.	24.30	Sqm			Per Square Metre	
11	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	25.10	Rmt.			Per Running Metre	
12	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of material within all leads and lifts.:(i) 250x16mm	2.00	No.			Each	
13	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete including carriage of material within all leads and lifts.:(i) 200x10mm	4.00	No.			Each	
14	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete including carriage of material within all leads and lifts.:(i) 150x10mm	8.00	No.			Each	
15	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete including carriage of material within all leads and lifts.:(i) 125mm	14.00	No.			Each	
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.(i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	603.97	Kg			Per Kilogramme	
17	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with including carriage of material within all leads and lifts.:(i) 4.0 mm thick glass panes	4.70	Sqm			Per Square Metre	
18	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)	49.26	Sqm			Per Square Metre	
19	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete (i) Size of Tile 500x500 mm	17.38	Sqm			Per Square Metre	

20	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	27.19	Sqm			Per Square Metre	
21	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)	30.26	Sqm			Per Square Metre	
22	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade including carriage of material within all leads and lifts.: (i) Two or more coats on new work	49.46	Sqm			Per Square Metre	
23	Finishing walls with Acrylic Smooth exterior paint of required shade including carriage of material within all leads and lifts. :(i) Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	65.49	Sqm			Per Square Metre	
24	Providing and fixing white vitreous china water closet squatting pan (Indian type) :(i) Orissa pattern W.C. pan of size 580x440 mm including carriage of material within all leads and lifts.	1.00	No.			Each	
25	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :(i) 610x460 mm bowl depth 200 mm	1.00	No.			Each	
26	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. (i) 10 litre capacity - White	1.00	No.			Each	
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia including carriage of material within all leads and lifts.	1.00	No.			Each	
28	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia including carriage of material 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 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of material within all leads and lifts.	1.00	No.			Each	

30	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.(i) 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	1.00	No.			Each	
31	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. including carriage of material within all leads and lifts. (a) 15 mm dia nominal bore	25.00	Rmt.			Per Running Metre	
32	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. including carriage of material within all leads and lifts.(i) 15 mm nominal bore	2.00	No.			Each	
33	Providing and fixing CP. brass stop cock of approved quality including carriage of material within all leads and lifts.:(i) 15 mm nominal bore	2.00	No.			Each	
34	Providing and fixing uplasticised PVC connection pipe with brass unions :(a)45 cm length including carriage of material within all leads and lifts. (i) 15 mm nominal bore	2.00	No.			Each	
35	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	2.00	No.			Each	
36	Providing and fixing ISI marked high pressure PVC Pipe Pype-A spigot and socket, waste and ventilating pipes including fixing with approved adhesive etc. complete. (i) 110 mm	20.00	Rmt.			Per Running Metre	
37	Providing and fixing PVC Type-A plain bend including fixing with approved adhesive etc. complete.(i) 110 mm	4.00	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, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

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

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

SCHEDULE OF QUANTITY

176

Estimated Cost Rs. :- 95926.00

Earnest Money Rs. :- 1920.00

Time:- One Month.

Name of work: - A/R & M/O various residential buildings under Shimla Division No.III . (SH:- Repair of cup board, wiregauge shutters and painting/distempering etc. in set No.13 type-III 2nd floor at spring field at Chotta Shimla.).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 6mm thick commercial ply wood in ceiling/ flooring/ wall lining of approved quality with butt jointing and nails (frame work and cover fillets to be paid for separately) including carriage of materials within all leads and lifts.	4.23 Sqm			Per square metre.	
2	Providing and fixing 19mm thick Comercial board in Shutters complete with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	4.05 Sqm			Per square metre	
3	Providing and fixing 19mm thick Comercial board in box /Shelf complete with necessary screws and bright finished stainless steel piano hinges where required, complete as per direction of the Engineer-in-Charge	9.89 Sqm			Per square metre	
4	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets fixed with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	4.77 Sqm			Per square metre.	
5	Providing and fixing hard wood plain square edged cover fillets (beading) 19mm x 6mm section with nails/wood screws etc. in ceiling and lining including mitring at junctions complete including carriage of materials within all leads and lifts.	28.80 Rmt.			Per running metre.	
6	Providing and fixing 125mm size bright finished stainless steel handles with necessary screws etc. complete including carriage of materials in all leads and lifts.	40.00 No.			Each	
7	Providing and fixing magnatic catcher of approved quality with screw etc. complete including carriage of materials within all leads and lifts.	5.00 No.			Each	
8	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in deodar wood.	4.80 Sqm			Per square metre.	
9	Providing and fixing 150mm x10mm size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads and lifts.	16.00 No.			Each	
10	Providing and fixing 125mm size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete including carriage of materials within all leads and lifts.	20.00 No.			Each	
11	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	85.01 Sqm			Per square metre	
12	Providing and applying white cement based putty of average thickness 1.00mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	105.78 Sqm			Per square metre	
13	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.	30.37 Sqm			Per square metre.	
14	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	30.37 Sqm			Per square metre	
15	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.	150.29 Sqm			Per square metre	

16	Wall painting one or more coat on old work with plastic emulsion paint of approved brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts.	212.53	Sqm			Per square metre.
17	Providing and fixing stainless steel Curtain rod 20mm dia and 1.66mm thick (confirming to bureu of Indial standred) in single length without any joint complete with brackets etc. including carriage of material within all leads and lifts.	3.00	Rmt.			Per Running metre.
18	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 810gms complete including carriage of materials within all leads and lifts.	6.00	No.			Each
19	Providing and fixing C.P. brass angle cock 15mm nominal bore of approved quality conforming to IS standards complete including carriage of materials within all leads and lifts.	5.00	No.			Each
20	Providing and fixing C.P. Brass extension nipple of 15mm nominal dia and required size of approved make and quality conforming to IS standards complete including carriage of materials within all leads and lifts.	11.00	No.			Each
21	Providing and fixing 15mm nominal bore flange/cap of approved make and quality for bib/angle cock including carriage of materials within all leads and lifts.	11.00	No.			Each
22	Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube of required length with S.S. triangular plate of approved quality conforming to IS standards complete including carriage of materials within all leads and lifts.	1.00	No.			Each
Conditions:-						Total

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

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

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

SCHEDULE OF QUANTITY

17

Estimated Cost Rs. :- 268285.00

Earnest Money Rs. :- 5370.00

Time:- One Month.

Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing andLaying Floor and Wall Tiles , Cup Board , Painting & Distempering , Water supply and Sanitary Instalation etc. in Set No.3 of Victoria Place at Nigam Vihar Shimla-2)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	1.16 Cum			Per Cubic Metre	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	25.48 Sqm			Per Square Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.58 Cum			Per Cubic Metre	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts in second class deodar wood.	0.012 Cum			Per Cubic Metre	
5	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(l)Second class Deodar wood(a)35 mm thick shutters	1.52 Sqm.			Per Square Metre	
6	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.40mm in both directions with wire of dia 0.63 mm all complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge:	5.02 Sqm.			Per Square Metre	
7	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)	9.73 Sqm.			Per Square Metre	
8	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)	21.81 Sqm.			Per Square Metre	
9	Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be measured and paid for separately.	10.49 Sqm.			Per Square Metre	
10	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.	12.21 Sqm.			Per Square Metre	

11	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	101.80	Rmt.			Per Running Metre	
12	Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.	25.00	No			Each	
13	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm	25.00	No			Each	
14	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete (i) 250x16mm	1.00	No			Each	
15	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	2.00	No			Each	
16	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	2.00	No			Each	
17	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	3.19	Sqm			Per square meter	
18	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mm	20.03	Sqm			Per Square Metre	
19	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) 500x500 mm	25.90	Sqm			Per Square Metre	
20	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	25.90	Sqm			Per Square Metre	
21	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.	26.78	Sqm			Per Square Metre	
22	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	80.74	Sqm			Per Square Metre	

23	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	57.00	Sqm.			Per Square Metre	
24	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat including carriage of material within all leads and lifts as per direction of Engineer-in-charge. of approved brand and manufacture	57.00	Sqm.			Per Square Metre	
25	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.	60.92	Sqm			Per Square Metre	
26	Distempering with 1st quality acrylic distember (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	66.95	Sqm			Per square meter.	
27	Providing and fixing single hole wash basin with C.I. brackets, 15 mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:(i) White Vitreous China Wash basin size 630x450 mm with	1.00	No.			Each	
28	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.including carriage of materials within all leads and lifts.	1.00	No.			Each	
29	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.	2.00	No.			Each	
30	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	
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 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :610x510 mm bowl depth 200mm.	1.00	No			Each	
32	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia .including carriage of materials within all leads and lifts.	2.00	No			Each	
33	Providing and fixing 100 mm sand cast Iron grating for gully trap. including carriage of materials within all leads and lifts.	3.00	No			Each	
34	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.including carriage of materials within all leads and lifts.	1.00	No.			Each	
35	Providing and fixing Acrylic corner shelf (One Set 3 Pice) including carriage of Materilas with in all leads and lifts.	1.00	Set			Per set	

36	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. (i) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	1.00	No.			Each	
37	Providing and fixing Hanging Pags for Cloth back side of door 4 Nos pegs in One set including carriage of Materilas with in all leads and lifts.	1.00	Set			Per set	
38	Providing and fixing charomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	1.00	Nos.			Each	
39	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	30.50	Rmt			Per Running Metre	
40	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(a) Internal work - Exposed on wall (i)15 mm dia nominal bore	10.24	Rmt.			Per Running Metre	
41	Providing and fixing uplasticised PVC connection pipe with brass unions :45 cm length (i) 15 mm Nominal Bore	3.00	No			Each	
42	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. including carriage of materials within all leads and lifts complete. (i) 15mm dia	3.00	No.			Each	
43	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	3.00	No.			Each	
44	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	7.00	No.			Each	
45	Providing and fixing C.P. wall flange/ Cap 15mm (fifteen millimeter) nominal bore with fittings including carriage of materials within all leads and lifts.	7.00	No.			Each	
46	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and including carriage of Material with in all leads and lifts as per direction of Engineer- in -Charge making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	5000.00	litre			Per Litre	

47	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge.	1.67	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 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

18

Estimated Cost Rs. :- 347324.00
Earnest Money Rs. :- 6950.00
Time:- One Month.

Name of work: -Special repair to various Residential Building under Shimla Division No. III(SH:- Renovation of WC, Bathroom , kitchen, Painting and Distemping etc in New Block Type-I Quarters at Barnes Court Shimla-2)


Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.76	Cum			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead;- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	32.06	Sqm			Per square meter	
3	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.	59.49	Sqm			Per square 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 :(i) 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.76	Cum			Per Cubic Metre	
5	Providing and fixing 19mm (Nineteen milimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	5.02	Sqm			Per square meter	
6	Providing and fixing 19mm (Nineteen milimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	23.87	Sqm			Per square meter	
7	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.	5.02	Sqm			Per square meter	
8	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	63.36	Rmt			Per Running Metre	
9	Providing and fixing bright finished brass handles with screws etc. complete:including mitring at junctions including carriage of materials in all leads and lifts. (i) 100mm	22.00	No			Each	
10	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	22.00	No			Each	
11	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	9.02	Sqm			Per square meter	

12	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	16.84	Sqm			Per square meter	
13	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 mmx8mm	59.49	Sqm			Per square meter	
14	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)	59.49	Sqm			Per square meter	
15	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	127.40	Sqm			Per square meter	
16	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	156.29	Sqm			Per square meter	
17	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	28.89	Sqm			Per square meter	
18	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	28.89	Sqm			Per square meter	
19	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 on Steel Surface	176.53	Sqm			Per square meter	
20	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)	254.80	Sqm			Per square meter	
21	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:(i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	3.00	No			Each	
22	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	3.00	No			Each	
23	Providing and fixing C.P. grating of approved quality and colour.(i) Circular type 100 mm nominal dia	9.00	No			Each	
24	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3.00	No			Each	
25	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.	3.00	No			Each	

26	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting Chase and making good the walls etc. Internal work - (i) 15mm Nominal bore	34.15	Rmt				Per Running Metre	
27	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work - (i) 15mm Nominal bore	27.45	Rmt				Per Running Metre	
28	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length (i) 15 mm Nominal Bore	3.00	No				Each	
29	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	9.00	No				Each	
30	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) (i) 15 mm Nominal Bore	9.00	No				Each	
31	Providing and fixing brass stop cock of approved quality : (i) 15 mm Nominal Bore	6.00	No				Each	
32	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	15.00	No				Each	
33	Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.	15.00	No				Each	
34	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads (i) 100mm	15.30	Rmt				Per Running Metre	
34.10	(ii) 75mm	34.80	Rmt				Per Running Metre	
35	Providing and fixing PVC door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-100mm dia.	3.00	No				Each	
35.1	(ii) 75mm	6.00	No				Each	
36	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:-75mm dia	6.00	No				Each	
37	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:-100mm dia.	3.00	No				Each	
37.1	(ii) 75mm	12.00	No				Each	
38	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:-100mm dia.	30.00	No				Each	
38.1	(ii) 75mm	75.00	No				Each	
39	Providing and fixing PVC floor trap 100 X 75 mm dia size complete.including carriage of materials within all leads and lifts	9.00	No				Each	

40	Disposal of moorum/ building rubbish/ malba. Similar unserviceable, dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Municipal dumping ground for lead upto 10km. For lifts, complete as per direction of Engineer- in Charge. Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carrying motor vehicle of 3.5 cum. or More.	3.45	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 Recovery of useful bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


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

SCHEDULE OF QUANTITY

Estimated cost:-

381365.00

Earnest Money:-

7650.00

Time :-

One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Covering of balcony with transparent sheet, welded mesh, wood work, eaves board, weather board in block No. 20/2 TF, type-VI) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	1.39 Cum			Per cubic meter	
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.	0.40 Cum			Per Cubic meter	
3	Providing and fixing 50x12mm plain square edged cover fillets (beading) with wood screws in ceiling and lining including mitring at junctions in deodar wood including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	114.28 Rmt.			Per Running meter	
4	Providing eaves board 200mmx25mm thick including fixing in position in 2nd class deodar wood including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	62.96 Rmt.			Per Running metre	
5	Providing weather board 100mmx25mm thick including fixing in position 2nd class deodar wood including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	62.96 Rmt.			Per Running metre	
6	Providing and fixing M.S. welded mesh 25mmX25mmX3mm 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.	69.86 Sqm			Per square meter	
7	Providing and fixing polycarbonatd 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.	19.76 Sqm			Per square meter	
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 :-250x16 mm including carriage of materials within all leads and lifts.	10.00 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 :- 200x10 mm including carriage of materials within all leads and lifts.	15.00 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. 125 mm including carriage of materials within all leads and lifts.	30.00 No.			Each	
11	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.	64.39 Sqm			Per square meter	
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.	64.39 Sqm			Per square meter	
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufactureincluding carriage of materials in all leads and lifts.	76.85 Sqm.			Per square meter	
CONDITION:-						Total:-

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

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

SCHEDULE OF QUANTITY

20

Estimated Cost Rs. :- 303143.00

Earnest Money Rs. :- 6070.00

Time:- One Month.

Name of work: -Special Repair to Various Residential Building under Shimla Division No.III (SH:- Renovation of First floor Balcony with Steel sheet in Roofing , Glazing work in Window and Balcony , ACP Sheet etc. in Park -7 Building Nigam Vihar Shimla)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and fixing 0.60mm thick prepainted steel sheet of TATA DURASHINE and approved brand and shade and design in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5microns over 5microns primer coating including fixing with G.I. self drilling screws of required sizes / prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete upto floor all level with all accessories as required as per the direction of Engineer-in-charge:- 0.60mm (zero point sixty millimetre) thick sheet including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	117.94	Sqm.			Per Square Metre	
2	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 1518 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	45.25	Rmt			Per Running Metre	
3	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) Flashings/ Aprons.(Upto 600 mm)	33.90	Rmt			Per Running Metre	
4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):(i) With float glass panes of 5.00 mm thickness weight not less than 12.50 kg / sqm	50.40	Sqm.			Per Square Metre	
5	Providing and fixing ACP. Sheet 4 mm Thick ceiling/Walls/ Doors/ Lining/ Panelling of approved quality with necessary nails etc. complete (frame work to be paid separately) including carriage of materials within all leads and lifts	15.34	Sqm.			Per Square Metre	
6	Providing and fixing (heavy duty) with rollers & stop end in Sliding Door, Window etc. including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	19.00	Pair			Per Pair	

7	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1866) transparent or dyed to required colour or shade, with necessary screws etc. complete (i) 125	10.00	No			Each	
	Conditions:-					Total	

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

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

useful materials will be charged.

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

iv Recovery of usefull bricks 181.00, recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


Executive Engineer
 Shimla Division No.III
 HPPWD. Shimla-3

SCHEDULE OF QUANTITY

Estimated cost:- 314285.00
Earnest Money:- 6300.00
Time :- One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:- Covering of front side Courtyard & Verandah in block No. 2 at Marlin Park & construction of steel structure) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within all leads All kinds of soil including carriage of materials within all leads and lifts.	2.18 Cum			Per Cubic meter	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	0.78 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 :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	3.76 Cum			Per Cubic meter	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials in all leads and lifts.	1211.38 Kg			Per Kilogramme	
5	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.	1276.16 Kg.			Per Kilogramme	
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 conform to bureau of Indian standards.

Executive Engineer
Shimla Division NO.III
HP.PWD.Shimla-17003

SCHEDULE OF QUANTITY

29

Estimated Cost Rs. :- 235328.00
Earnest Money Rs. :- 4710.00

Time:- One Month.

Name of work: -Special repair to various Residential Building under Shimla Division No. III(SH:- Renovation of WC, Bathroom , kitchen, Painting and Distemping etc in New Block Set No.1 and 2 Ground Floor at Barnes Court Shimla-2)


Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge (i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.03 Cum			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead:- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.	21.44 Sqm			Per square meter	
3	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.	42.91 Sqm			Per square 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 : (i) 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.03 Cum			Per Cubic Metre	
5	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	3.19 Sqm			Per square meter	
6	Providing and fixing 19mm (Nineteen millimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	15.41 Sqm			Per square meter	
7	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sumnica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	3.19 Sqm			Per square meter	
8	Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.	40.32 Rmt			Per Running Metre	
9	Providing and fixing bright finished brass handles with screws etc. complete:including mitring at junctions including carriage of materials in all leads and lifts. (i) 100mm	14.00 No			Each	
10	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	14.00 No			Each	
11	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kgsqm including pointing the joints with white cement and matching pigment etc., complete.	6.02 Sqm			Per square meter	

12	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	11.13 Sqm			Per square meter	
13	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 mmx8mm	42.91 Sqm			Per square meter	
14	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)	42.91 Sqm			Per square meter	
15	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	92.12 Sqm			Per square meter	
16	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	110.50 Sqm			Per square meter	
17	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	18.38 Sqm			Per square meter	
18	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	18.38 Sqm			Per square meter	
19	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 on Steel Surface	119.80 Sqm			Per square meter	
20	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade : (i) Old work (one or more coats)	184.24 Sqm			Per square meter	
21	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required; (i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00 No			Each	
22	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	2.00 No			Each	
23	Providing and fixing C.P. grating of approved quality and colour. (i) Circular type 100 mm nominal dia	6.00 No			Each	
24	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00 No			Each	
25	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	2.00 No			Each	

26	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting Chase and making good the walls etc. Internal work - (i) 15mm Nominal bore	21.95	Rmt				Per Running Metre	
27	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work - (i) 15mm Nominal bore	18.30	Rmt				Per Running Metre	
28	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length (i) 15 mm Nominal Bore	2.00	No				Each	
29	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	6.00	No				Each	
30	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (i) 15 mm Nominal Bore	6.00	No				Each	
31	Providing and fixing brass stop cock of approved quality : (i) 15 mm Nominal Bore	4.00	No				Each	
32	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	10.00	No				Each	
33	Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.	10.00	No				Each	
34	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads (i) 100mm	9.70	Rmt				Per Running Metre	
34.10	(ii) 75mm	20.80	Rmt				Per Running Metre	
35	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-100mm dia.	2.00	No				Each	
35.1	(ii) 75mm							
36	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:-75mm dia	4.00	No				Each	
37	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:-100mm dia.	2.00	No				Each	
37.1	(ii) 75mm							
38	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:-100mm dia.	8.00	No				Each	
		20.00	No				Each	
38.1	(ii) 75mm							
		50.00	No				Each	
39	Providing and fixing PVC floor trap 100 X 75 mm dia size complete,including carriage of materials within all leads and lifts	6.00	No				Each	

40	Disposal of moorum/ buil;ding rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. Foe lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	2.21	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

SCHEDULE OF QUANTITY

23

Estimated Cost Rs. :- 495616.00

Earnest Money Rs. :- 9920.00

Time:- One Month.

Name of work: - Extension of Mess MBBS & BDS Girls Hostel at Blessington Estate Lakkar Bazar Shimla (SH:- P/L C.C 1:2:4, Steel work.C.C. 1:3:6, Partition Wall, preapainted sheet roofing and painting Etc.) (Balance Work)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figurers	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. (i) All kinds of soil	30.22 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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	4.81 Cum.			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	12.13 Cum			Per Cubic Metre	
4	Providing weep holes in brick masonry /stone masonry/plain reinforced concrete abutment ,wing wall return wall with 100 mm (one hundred milimetre) dia ,PVC pipe extending through the full width of the structure with slope of 1(v): 20 (Twenty) (H) towards drawing face complete complete as per drawing and technical specification clauses 614,709,1204.3.7 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00 Rmt.			Per Running Metre	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	2568.22 Kg			Per Kilogram me	
6	Providing and fixing M.S. BP Sheet 2mm thick in eaves board/ facial/ 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.	9.51 Sqm			Per Square Metre	
7	Providing and fixing 0.60mm thick preapainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20microns over 5microns primer coating to back coat of polyster of 5microns over 5microns primer coating including fixing with self drilling screws complete with preapainted limpet and rubber washers complete with all accesoriees as required as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts.(Tata Mke)	14.00 Sqm			Per Square Metre	

8	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.(i) 0.63 mm thick with zinc coating not less than 275 gm/m ²	7.50	Rmt.			Per Running Metre	
9	Centering and shuttering including strutting, propping etc. and removal of form work including Carriage of materials with in all leads and lifts and as per direction by the Engineer-In-Charge(i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	12.44	Sqm			Per Square Metre	
10	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 including carriage of materials within all leads and lifts.	15.11	Cum			Per Cubic Metre	
11	Providing and fixing 12mm thick prelaminate board both side bwp phenol bonded exterior/interior grade panalled shutters with frame of first class deodar wood for doors including bright finished/black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts:- 40mm thick frame.	7.56	Sqm			Per Square Metre	
12	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	20.86	Sqm			Per Square Metre	
13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level;- Cement mortar 1:4 (1 cement :4 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	2.32	Sqm			Per Square Metre	
14	15mm Cement plaster in single coat on the rough side of brick/ concrete/ stone walls for interior plastering upto floor two level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth in Cement Mortar 1:6 (1Cement:6 Sand) including carriage of materials within all leads and lifts.	2.32	Sqm.			Per square metre	
15	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately). including carriage of materials within all leads and lifts.(i)9mm thick commercial ply	3.87	Sqm.			Per Square Metre	
16	Providing and fixing 12 mm thick Pine Wood wood Tongued and Grooved lining of approved quality with butt jointing and nails(frame work and cover fillets to be paid for separately).	3.87	Sqm.			Per Square Metre	
17	Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18mm X5mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge	6.62	Rmt.			Per Running Metre	

18	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification Two or more coats on new work as per the direction of Engineer-in-Charge including carriage of material in all leads and lifts.	4.64	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.
- 1V Recovery of usefull bricks 57.00. recovered from site will be charged / deducted from contractor @ Rs. 5.00 Each.

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

SCHEDULE OF QUANTITY

24

Estimated Cost Rs. :- 417936.00

Earnest Money Rs. :- 8360.00

Time:- One Month.

Name of work: -A/R & M/O to Raman Hostel (Boys) Holly Oak at Sanjauli Shimla (SH:- Providing Synthic Enamel Paint, Plastic emulsion,Acrlic exterior paint and Scaffolding etc. Top Floor and Stair Portion)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.including carriage of materials within all leads and lifts.	807.15	Sqm			Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1.00mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	807.15	Sqm			Per Square Metre	
3	Applying priming coat:With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	418.79	Sqm.			Per square metre	
4	Painting with synthetic enamel paint of in Wall Surfaces 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.	171.06	Sqm			Per Square Metre	
5	Painting two costs (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. (a) Enamel paint other than white	315.24	Sqm			Per square metre	
6	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.	1150.28	Sqm			Per Square Metre	
7	Painting with synthetic enamel paint in Wood Surfaces 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.	304.00	Sqm			Per Square Metre	
8	Painting with synthetic enamel paint steel Surfaces of approved brand and manufacture of required colour to give an even shade One or more coat complete including carriage of materials within all leads and lifts.	87.36	Sqm			Per Square Metre	
9	Finishing walls with Acrylic Smooth exterior emulsion of required shade :(I) Old work (One or more coat applied @ 0.90 ltr/10 sqm).	2365.34	Sqm			Per Square Metre	

10	Providing scaffolding for all kind of works in multistory building up to all floor high/levels bamboo complete tiled with rope on joints and pedistal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	422.85	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.
- 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

25

Estimated Cost Rs. :- 270187.00

Earnest Money Rs. :- 5400.00


Time:- Eight months.

Name of work:- A/R and M/O Various residential and non residential buildings under division No III Shimla. (SH:- Providing & Supplying various day to day materials for V/Sabha Sub division)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing C.P. Brass Angle cock 15mm dia of approved brand including carriage of materials within all lead and lefts	9.00	No			Each	
2	Providing Brass Ball cock with float 15mm dia of approved brand including carriage of materials within all lead and lefts	25.00	No			Each	
3	Providing G.I. Socket 15mm of approved brand including carriage of materials within all lead and lefts	25.00	No			Each	
4	Providing G.I. Union 15mm of approved brand including carriage of materials within all lead and lefts	30.00	No			Each	
5	Providing Ball Gate Valve 15mm of approved brand including carriage of materials within all lead and lefts	20.00	No			Each	
6	Providing P.V.C. Connection Pipe 15x600mm of approved brand including carriage of materials within all lead and lefts	20.00	No			Each	
7	Providing Phenyls Bottle 750 ml of approved brand including carriage of materials within all lead and lefts	25.00	No			Each	
8	Providing Toilet Acid bottle 750ml including carriage of materials within all lead and lefts	18.00	No			Each	
9	Providing Bim Powder including carriage of materials within all lead and lefts	18.00	No			Each	
10	Providing Floor duster including carriage of materials within all lead and lefts	30.00	No			Each	
11	Providing Table duster including carriage of materials within all lead and lefts	20.00	No			Each	
12	Providing Bamboo Broom including carriage of materials within all lead and lefts	15.00	No			Each	
13	Providing Narial Broom including carriage of materials within all lead and lefts	15.00	No			Each	
14	Providing Soft Broom including carriage of materials within all lead and lefts	10.00	No			Each	
15	Providing Acyclic Shelf Corner of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
16	Providing P.V.C. Sheet cover Hollow of approved brand including carriage of materials within all lead and lefts	15.00	No			Each	
17	Providing Providing Leak Stop including carriage of materials within all lead and lefts	10.00	Kg			Per/Kilogram me	
18	Providing Aluminum Handle (100mm) of approved brand including carriage of materials within all lead and lefts	35.00	No			Each	
19	Providing Aluminum tower Bolt 150mm of approved brand including carriage of materials within all lead and lefts	30.00	No			Each	
20	Providing Glass panes 4mm thick including carriage of materials within all lead and lefts	400.00	Sqft			Per square Feet	
21	Providing Putty Glazing including carriage of materials within all lead and lefts	15.00	Kg			Per/Kilogram me	
22	Providing Silicon Tube of approved brand including carriage of materials within all lead and lefts	5.00	No			Each	

	Providing P.V.C. Low Level Cisten (10 Ltrs. Capasty) of approved brand including carriage of materials within all lead and lefts	4.00	No			Each	
24	Providing Hydraulic Door Closer of approved brand including carriage of materials within all lead and lefts	35.00	No			Each	
25	Providing Foot Mat Rubber including carriage of materials within all lead and lefts	5.00	Sqft			Per square Feet	
26	Providing Harpic (500ml) including carriage of materials within all lead and lefts	15.00	No			Each	
27	Providing Wiper with Handle including carriage of materials within all lead and lefts	15.00	No			Each	
28	Providing C.P. Grating with frame 100mm of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
29	Providing C.P. Zet with P.V.C. Pipe of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
30	Providing P.V.C. Seat Cover Anglo-Indian of approved brand including carriage of materials within all lead and lefts	12.00	No			Each	
31	Providing G.I. Pipe 15mm (3 length) of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
32	Providing G.I. Elbo 15mm including carriage of materials within all lead and lefts	15.00	No			Each	
33	Providing C.P. Waste 32mm including carriage of materials within all lead and lefts	25.00	No			Each	
34	Providing P.V.C. Bend Plain 100mm of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
35	Providing White Cement including carriage of materials within all lead and lefts	10.00	Kg			Per/Kilogram me	
36	Providing Nails 17 No. (40mm) including carriage of materials within all lead and lefts	2.00	Kg			Per/Kilogram me	
37	Providing Spindle for Cock with washer of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
38	Providing G.I. Socket 20mm dia of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
39	Providing G.I. Tee 25mmx20mm of approved brand including carriage of materials within all lead and lefts	5.00	No			Each	
40	Providing P.V.C. (Finolex Pipe) (150mm) of approved brand including carriage of materials within all lead and lefts	8.00	No			Each	
41	Providing P.V.C. Plain Bend (Finolex 150mm) of approved brand including carriage of materials within all lead and lefts	10.00	No			Each	
42	Providing P.V.C. Pipe(Finolex 110mm)of approved brand including carriage of materials within all lead and lefts	13.00	No			Length	
43	Providing Harpic Toilet cleaner 500Gm including carriage of materials within all lead and lefts	20.00	No			Each	
44	Providing Glass Cleaner Spray 200ml including carriage of materials within all lead and lefts	12.00	No			Each	
45	Providing Phool Broom including carriage of materials within all lead and lefts	15.00	No			Each	
46	Providing Curtain Rod M.S. Power Coated 25mm of approved brand including carriage of materials within all lead and lefts	25.00	No			Each	
47	Providing door stopper including carriage of materials within all lead and lefts	40.00	No			Each	
48	Providing Glass panes 5mm thick including carriage of materials within all lead and lefts	190.00	Sqft			Per square Feet	

49	Providing and supplying drawer lock including carriage of materials within all lead and lifts	25.00	No			each	
50	Providing and applying low level flushing cistern 10 ktr capacity including carriage of materials within all lead and lifts	5.00	No			Each	
51	Providing and supplying dustbin with pedestal including carriage of materials within all lead and lifts	4.00	No			Each	
						Total	
	i Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	ii Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						


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



SCHEDULE OF QUANTITY

26

Estimated cost:-
Earnest Money:-
Time :-

206007.00
4150.00
One Month

Name of work:- Special repair to Gaiety Theatre The Mall Shimla. (SH:-Painting & varnishing etc)

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Varnishing with varnish of approved brand and manufacture Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish including carriage of materials within all leads and lifts.	461.58 Sqm			Per square meter	
2	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.	1994.79 Sqm			Per square meter	
3	Removing old paint or polish from wood and wood based surfaces with paint remover of approved brands and manufacture and making the surface even with Paint remover of approved brand and manufacture including carriage of materials within all leads and lifts.	99.73 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

97

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 256608.00

Earnest Money Rs. :- 5140.00

Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:- Dismantling of RCC wall near entry point and, Disposal etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within all lead as per direction of Engineer - in- charge.	22.22 cum.			Per Cubic metre	
2	Disposal of earth / moorum / malba / building rubbish / similar un-surviceable dismantled or waste materials by mechanical means including sorting out useful and un- useful material and transportation of the un-useful material for disposing at approved dumping site or otherwise and including payment of prescribed charges of dumping to the owner of dumping site (to be arranged by the contractor) for the satisfaction of Engineer- in - Charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and other incidentals necessary to complete the work by mechanical means and labour (if required) including disposal of all surplus un-useful materials at approved dumping site including all leads and lifts.	298.73 cum.			Per Cubic 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

28

Estimated Cost Rs. :- 356576.00
Earnest Money Rs. :- 7140.00
Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:- Providing and fixing full body vitrified tiles in washing area of Canteen in Armasdale building.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead (wooden/ concrete joists to be measured and paid for separately) for thickness of tiles upto 25mm including carriage of materials within all leads and lifts.	26.92	Sqm			Per square metre.	
2	Providing and laying Duro stone full body vetrified tiles (600x600x10mm) of approved shade, size and quality in flooring, treads of steps and landing etc. laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts.	26.92	Sqm			Per square metre.	
3	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials within all leads and lifts.	3.82	Cum			Per cubic metre	
4	Providing and placing at sitestainless steel dustbin of 304 grade with foot operated and hydraulic machenism complete including carriage of materials within all leads and lifts.	33.00	No			Each	
Conditions:-							
						Total	

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

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

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

282

SCHEDULE OF QUANTITY

29

Estimated Cost Rs. :- 499271.00

Earnest Money Rs. :- 9990.00

Time:- One Month.


Name of work: -Improvement of Geometrics on Navbhar to Holly Lodge Road Km. 0/00 to 2/670(SH:-C/O Retaining wall at RD. 0/063 to 0/069.50)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (i) All kinds of soil	11.70	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, 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. Ordinary rock including carriage of materials within all leads and lifts.	14.95	Cum			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	4.49	Cum.			Per Cubic Metre	
4	Centering and shuttering including strutting, propping etc. and removal of form work for :(i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	60.96	Sqm			Per square meter	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	75.15	Cum			Per Cubic Metre	
6	Providing and laying weapholes in brick masonry /stone masonry /plain reinforced concrete abutment, wing wall return wall with 100mm (one hundred)milimetredia PVC pipe extending through the full with of the structures with slop of 1(v);20 (H) towards drawing face complete as per drawings and technical specifications MORD clause 614,,709,1204.3.7 including hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.	37.50	Rmt			Per Running Metre	
7	Backfilling behind abutment,wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) Granular material.	20.67	Cum			Per Cubic Metre	

8	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.	18.66	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.

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

30

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 156226.00

Earnest Money Rs. :- 3130.00

Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:- Cutting of trees from approach road to armsdale building etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	In words		
1	Cutting of damages/dangerous trees including loaping and converting into logs and stacking the material at specified place and disposal of un-servicable material as per the direction of Engineer-in-Charge complete including carriage of materials within all leads and lifts.(i) Girth more than 1.50metre and less than 2.50metre	6.000 No.			Each	
(ii)	Girth less than 1.50metre.	3.000 No.			Each	
2	Conversion of logs into sleepers of required/appropriate size and stacking at specified place and disposal of un-servicable material as per the direction of Engineer-in-Charge complete including carriage of materials within all leads and lifts.	3.865 Cum.			Per cubic metre.	
3	Carriage of sleepers from site of work to specified store and stacking properly as per the direction of Engineer-in-Charge complete including carriage of materials within all leads and lifts.	3.865 Cum.			Per cubic 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

31

Estimated cost:- 499985.00
Earnest Money:- 10000.00
Time :- One Month

Name of work:- Special repair to DDUZ hospital building at Shimla. (SH:-Providing & fixing new short and smooth down slope route of water to maintain water level in building tanks & emergency water tanks).

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and placing on terrace (at all floor levels) polyethylene three layer sintex make water storage tank, IS 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank including carriage of materials within all leads and lifts.	10000.00 Ltrs.			Per Litre	
2	Providing and fixing Kirloskar SHP three phase Monoblock pump KDS-53B+brand Kirloskar discharge range 4.1-2 LPS power rating 3.7 KW number of phase three phase delivery sizemm head Range 36-52m model KDS 550+ suction size 50mm Motor power 5.00 HP complete as per direction of Engineer-in-Charge including carriage of materials in all leads and lifts.	1.00 No			Each	
3	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 50 mm dia nominal bore including carriage of materials in all leads and lifts.	200.00 Rmt			Per running metre	
4	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 50mm nominal bore including carriage of materials within all leads and lifts.	25.00 No			Each	
5	Providing & fixing brass ball Valve 50mm nominal dia including carriage of materials within all leads and lifts.	21.00 No			Each	
6	Providing & fixing G.I. Tee wheel of approved quality 50mm nominal dia including carriage of materials within all leads and lifts.	50.00 No			Each	
7	Providing and fixing 50mm nominal size G.I. extension Nipple of superior quality with fixing etc. complete including carriage of materials within all leads and lifts.	35.00 No			Each	
	ii) 75mm nominal size.	40.00 No			Each	
	iii) 100mm nominal size.	40.00 No			Each	
	iv) 150mm nominal size.	30.00 No			Each	
	v) 225mm nominal size.	35.00 No			Each	
8	Providing and fixing G.I elbow of superior quality including carriage of materials within all leads and lifts. 50mm nominal bore.	30.00 No			Each	
	CONDITION:-				Total:-	

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

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

32

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 404130.00

Earnest Money Rs. :- 8080.00

Time:- One Month.

Name of work:- S/R to Various Residential Building under division No III Shimla. (SH:- Repair of roof of set No. 16 Type V at Richmond Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. including carriage of materials within all leads and lifts	101.18 Sqm.			Per square metre.	
	Providing and fixing Tata Durashine precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.62 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 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	101.18 Sqm.			Per square metre.	
3	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : i) Ridges plain (500 - 600mm)	5.90 Rmtr			Per running metre.	
4	Providing and fixing precoated galvanised steel sheet roofing accessories 0.63mm (+ 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 : Flashings/ Aprons.(Upto 600 mm)	8.00 Rmtr			Per running metre.	

5	Providing and fixing MS BP sheet 2.00 mm thick in eves board /facial/ 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).	42.93	Sqm			Per square metre.	
6	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	1517.70	Kgs			Per kilogramme	
7	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	42.93	Sqm.			Per square metre.	

CONDITION

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

Recovery of 101.18sqm.useful/un-useful CGI/PGI sheet shall be made @165/-only per square metre.

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

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