

*HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT*

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

Dated: -



To

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

Subject: - Tender Notice.

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

Encl: - As above


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


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

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP.PWD. Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in HP.PWD, so as to reach in his office on or before 12-07-2022 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 11-07-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 11-00-2022.

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

Sr. No	Name of work	Estimated Cost	Earnest money	Time	Form No	Cost of form
1	Special repair to Nursing Hostel Block-B at IGMCI Shimla (SH:- Dismantling work, providing and fixing CGI sheet roofing, gutter, steel work, ridges etc. in right side).	Rs.3,68,246/-	Rs.7330/-	One Month	6&8	350/-
2	Special repair to various residential building under Shimla Division No.III (SH:-Providing and laying C.C. 1:2:4 in plinth and stone soling Near Mukkanda House at Barnes Court Shimla) (in level-2)	Rs.2,69,599/-	Rs.5400/-	One Month	6&8	350/-
3	S/R to Ellerslie Lodge at Chotta Shimla (SH:- Construction of open garage in front of spring field at Chotta Shimla).	Rs.3,82,936/-	Rs.7660/-	One Month	6&8	350/-
4	Special repair to various residential buildings under Shimla Division No.III (SH:- Providing and fixing steel structure to block-B at Marlin Park for construction of toilets/bath at back side of block) at Nabha Estate Shimla).	Rs.4,01,346/-	Rs.8050/-	One Month	6&8	350/-
5	A/R & M/O various residential buildings under division No.III Shimla (SH:- Providing and fixing cupboards, painting and distempering etc. in driver block and K/hall at Benmore Shimla)	Rs.1,24,710/-	Rs.2500/-	One Month	6&8	350/-
6	Special repair to various residential buildings under Shimla Division No.III (SH:- Construction of pedestal along with water storage tanks & covering of balcony to block No.32 etc.) at Nabha Estate Shimla).	Rs.2,31,678/-	Rs.4650/-	One Month	6&8	350/-
7	S/R to various residential buildings under division No.III Shimla (SH:- Providing and laying tile, repair of wood work, repair of cupboards, painting and distempering in Set No. A at Parc Villa near Kaithu Shimla).	Rs.3,75,314/-	Rs.7510/-	One Month	6&8	350/-
8	Improvement of Road from Navbhar to Holly Lodge Road Km. 0/00 to 2/670 (SH:- C/O retaining wall at RD. 0/292 to 0/303)	Rs.4,30,505/-	Rs.8620/-	One Month	6&8	350/-
9	S/R to various residential buildings under division No.III Shimla (SH:- Providing and laying chequered tile in back side of Block type IV at U.S.Club Shimla).	Rs.2,51,427/-	Rs.5030/-	One Month	6&8	350/-
10	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and laying 20mm Dia G.I. pipe line, P/F PVC. Water storage tank in Governor Rest House & M.S. steel railing in Governor House).	Rs.1,69,077/-	Rs.3390/-	One Month	6&8	350/-
11	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and fixing 150mm Dia and 100mm Dia PVC. Finolex pipe for repair of Sewer line of Raj Bhawan to Main Line of M.C. Shimla, near Squash Court Building, P/F 2000 Litres PVC. Water Storage tank and main hole in Governor House Building at Raj Bhawan Shimla-2).	Rs.2,10,322/-	Rs.4210/-	One Month	6&8	350/-
12	A/R & M/O to various residential building under division No.III Shimla (SH:- Replacement of CGI sheet in back side of Col's Cottage at U.S.Club Shimla).	Rs.2,10,761/-	Rs.4220/-	One Month	6&8	350/-
13	Special repair to various residential buildings under Shimla Division No.III (SH:-Construction of pedestal along with water storage tanks to block No. D-1 etc.) at Nabha Estate Shimla).	Rs.2,15,719/-	Rs.4350/-	One Month	6&8	350/-
14	A/R & M/O various residential buildings under Vidhan Sabha Sub-Division under Division No.III Shimla (SH:- Providing and laying chequered tile in front of verandah of set No. 1 to 4 stair hall and new block back side of path of type-I and other repair work etc.).	Rs.3,01,743/-	Rs.6030/-	One Month	6&8	350/-
15	Special repair to Nursing Hostel in Block-B at IGMCI Shimla (SH:- Providing and fixing Snow Guard above roof).	Rs.2,51,128/-	Rs.5030/-	One Month	6&8	350/-
16	Special repair to residential accommodation under CMO at DDU hospital Shimla (SH:- Providing and fixing cupboards, tiles, wood work, shutters, painting and distempering including sanitary fittings etc. in the residential accommodation of Smt. Sheela Thakur & Sh. Chajju Ram at DDU Hospital Shimla)	Rs.1,69,854/-	Rs.3400/-	One Month	6&8	350/-
17	A/R & M/O various Non residential buildings under Shimla Division No.III (SH:- Providing and fixing cupboards. Tiles, lining, painting & distempering including sanitary fittings in the toilet of S.E. office & E.E. Office) at Winterfield Shimla).	Rs.2,27,306/-	Rs.4550/-	One Month	6&8	350/-
18	A/R & M/O Armsdale Building at HP Secretariat Shimla-2 (SH:- Dismantling work, disposal of dismantled material and repair of Emergency Stairs).	Rs.2,05,075/-	Rs.4110/-	One Month	6&8	350/-

19	S/R to various residential buildings under Division No.III Shimla (SH:- Providing and fixing Tank stand for type-IV Block-B at Richmond Shimla).	Rs.3,30,284/-	Rs.6610/-	One Month	6&8	350/-
20	A/R & M/O various residential buildings under division No.III Shimla (SH:- Painting and distempering in outside of block C-4 & C-5 at Bemloe Shimla).	Rs.87,429/-	Rs.1750/-	One Month	6&8	350/-
21	A/R & M/O to residential building under Shimla Division No.III (SH:- Finishing wall with exterior paint (Apex ultima) outside of Block-I Transit Accommodation at Jakhoo Shimla).	Rs.1,47,931/-	Rs.2960/-	One Month	6&8	350/-
22	Special repair to various residential building under Shimla Division No.III (SH:- Providing and laying C.C. 1:2:4 in plinth and stone soling Near Mudkanda House at Barnes Court Shimla) (in Level-I).	Rs.3,33,356/-	Rs.6670/-	One Month	6&8	350/-
23	S/R to various residential buildings under division No.III Shimla. (SH:- repair of cupboards, repair of kitchen flooring, fencing etc.in set No. C-7 at Bemloe Shimla).	Rs.3,90,335/-	Rs.7800/-	One Month	6&8	350/-
24	S/R to various residential buildings under division No.III Shimla (SH:- Repair of tile work, sanitary fittings etc. in set No.A Perci Villa near Kaithu Shimla).	Rs.3,90,560/-	Rs.7810/-	One Month	6&8	350/-
25	Furnishing of Minister House No.3 at Grant Lodge Shimla-2 (SH:- Providing & fixing curtains etc.).	Rs.1,20,000/-	Rs.2400/-	One Month	6&8	350/-
26	A/R & M/O Armsdale Building at HP Secretariat Shimla-2 (SH:- Providing and fixing curtains and tissue curtains etc. in Room No. A 501 & A 503).	Rs.1,00,169/-	Rs.2010/-	One Month	6&8	350/-
27	Special repair to Ellerslie Main Building at HP Secretariat Shimla-2 (SH:- Balance work of retaining wall near record maintaining room).	Rs.2,72,406/-	Rs.5450/-	One Month	6&8	350/-
28	S/R to various residential buildings under division No.III Shimla (SH:- Painting and distempering outside of building and other minor repair work in A-2 type-VI at Bemloe Section).	Rs.3,12,877/-	Rs.6260/-	One Month	6&8	350/-

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

Terms & Conditions:-

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

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

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

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

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 368246.00
Earnest Money Rs. :- 7370.00

Time:- One Month.

Name of work: -Special Repair to Nursing Hostel Block-B at IGMC Shimla. (SH: - Dismantling work, Providing and fixing CGI sheet roofing, Gutter, Steel work, Ridges etc. in right side.)

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 carriage of material in all leads and lifts:-G.S. Sheet.	102.55 Sqm			Per square metre	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	671.04 Kgs			Per Kilogramme	
3	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63mm thick with zinc coating not less than 275gm/ m ² including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	120.55 Sqm			Per square metre	
4	Providing ridges or hips of width 60cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. 0.63 mm thick with zinc coating not less than 275 gm/m ² .	14.50 Rmt.			Per Running metre	
5	Providing flushing 60cm overall in plain G.I. sheet fixed with galvanised iron J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of materials within all leads and lifts :- 0.63mm thick sheet.	16.50 Rmt.			Per Running metre	
6	Providing and fixing 15 cm wide, 45 cm overall semicircular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of materials within all leads and lifts :- 0.63 mm thick with zinc coating not less than 275 gm/m ² .	52.20 Rmt.			Per Running metre	

	Providing and fixing M.S. BP Sheet 2mm thick in eaves board/ fascia/ soffits/ ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all leads and lifts.	45.36	Sqm				Per square metre	
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new steel work including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.	45.36	Sqm				Per square metre	
	Conditions:-						Total	

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

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

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

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 Rs. :- 269599.00
Earnest Money Rs. :- 5400.00

Time:- One Month.

Name of work: -Special repair to various Residential Building under Shimla Division No. III(SH:- Providing and Laying CC.1:2:4 in Plinth and stone soling Near Mudkanda House At Barnes Court Shimla) (in Level -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 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.	6.16 Cum			Per Cubic Metre	
2	Earth work in excavation by manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil.	35.18 Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form work for : (i) Retaining walls, return walls, walls (any thickness) including attached plasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	18.45 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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	31.08 Cum			Per Cubic Metre	
5	Stone soling properly hand-packed filling interstices with Kharania stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour)	12.30 Cum			Per Cubic Metre	
6	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 10km. For lalleats, 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.	41.34 Cum			Per Cubic Metre	
	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.

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

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 382936.00
 Earnest Money Rs. :- 7660.00
 Time:- One Month.

Name of work: -S/R to Ellerslie Lodge at Chotta Shimla. (SH:- Construction of open garage in front of spring field at Chotta Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches including carriage of materials within all leads and lifts as per direction of Engineer-in-Charge:- All kinds of soil.	0.86 Cum			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand) : graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge	0.86 Cum.			Per cubic metre	
3	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work using structural steel etc. 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.	1867.12 Kg.			Per kilogramme	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts	676.30 Kgs			Per Kilogramme	
5	Providing and fixing M.S. Black plain 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.	34.18 Sqm			Per square metre.	
6	Providing corrugated G.S. sheet roofing 0.63mm thick including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets complete including carriage of materials within all leads and lifts:- (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	30.39 Sqm			Per square metre	
7	Providing and fixing 0.63 mm thick 15cm wide, 45cm overall semicircular plain G.S. sheet gutter with iron brackets 40mm x 3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	10.50 Rmt.			Per Running metre	
8	Providing and fixing 0.63mm thick FGI sheet ceiling/lining of approved quality with built jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	2.00 Sqm			Per square metre.	
9	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials in all leads and lifts.	37.60 Sqm			Per square metre	

Disposal of earth / moorum / malba / building rubbish / similar un-survivable dismantled or waste materials by mechanical means including sorting out useful and un- useful material and transportation of the un-useful material for disposing at approved dumping site or otherwise and including payment of prescribed charges of dumping to the owner of dumping site (to be arranged by the contractor) for the satisfaction of Engineer. In - Charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machines, 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 loads and lifts

0.86 Cum

Per cubic metre

Conditions:-

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

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

SCHEDULE OF QUANTITY

Estimated cost:-

401346.00

Earnest Money:-

8050.00

Time :-

One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing steel structure to block-B at Marlin Park for construction of toilets/bath at back side of block) 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.	2.36 Cum			Per Cubic meter	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	3641.09 Kg.			Per Kiligramme	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 124710.00
Earnest Money Rs. :- 2500.00
Time:- One Month.

Name of work:- A/R & M/O various Residential Building under division No.3 Shimla (SH:- Providing and Fixing cupboards, painting and distempering etc in driver block and K/nall at Benmore Shimla

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts	17.88 Sqm.			Per square metre.	
2	Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.	20.97 Sqm.			Per square metre.	
3	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts	3.70 Sqmtr			Per Square metre	
4	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sumnica) on boards/ply wood sheets with approved adhesive and nails etc. including carriage of materials within all leads and lifts.	25.97 Sqm.			Per square metre.	
5	Providing and fixing 100mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts	4.00 No.			Each	
6	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts :- Double strip (horizontal type)	6.00 No			Each	
7	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	1.50 Sqm.			Per square metre.	
8	Providing and fixing polycarbonate transparent sheet 1.20 mm thick in roofing with galvanised Jor I hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories asrequired in all leads and lifts as per direction of Engineer-in-charge.	9.60 Sqm.			Per square metre	
9	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :-Solid Type :-White plastic seat and cover.	2.00 No.			Each	
10	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	500.00 litre			Per litre	
11	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.	88.69 Sqm.			Per square metre.	

12	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Two coats on new wood work, including carriage of materials within all leads and lifts.	88.69 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. Distemping with oil bound washable distemper of approved brand and manufacture to give an complete including carriage of materials in all leads and lifts.	71.50 Sqm.		Per square metre.
14	even shade old work (one or more coats) over and including water thinnable priming coat with cement primer.	178.76 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.

SCHEDULE OF QUANTITY

Estimated cost:-
 Earnest Money:-
 Time :-
 One Month
 231678.00
 4650.00

Work of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Construction of pedestal along with water storage tanks & covering of balcony to block No. 32 etc) at Shiba Estate Shimla

Sl. NO.	Description	Qty.	In Figures.	Rate In Words	Unit	Amount
1	Steel work welded in built up sections, framed work, including cutting, hoisting, fixing in position and applying a painting coat of approved steel primer using structural steel etc. as required in girders, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	723.28 Kg			Per kilogramme	
2	Providing and fixing 250x16 mm ISI sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
3	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 - and including carriage of materials upto all leads and lifts. By mechanical means and manual labour and as directed by the Engineer in Charge.	36.24 Sqm			Per square meter	
4	Providing and fixing on terrace (at all floor levels) polyethylene three layer sintex make water storage tank, 15 : 1700 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.	8000.00 Ltrs.			Per Litre	
5	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 15 mm dia nominal bore including carriage of materials within all leads and lifts.	47.68 Rmt.			Per running metre	
6	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) 15 mm nominal bore including carriage of materials within all leads and lifts.	18.00 No.			Each	
7	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.	18.00 No.			Each	
8	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm. of approved brand and manufacture as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts.	74.59 Sqm			Per square meter	
9	Providing and fixing precasted galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns minimum to avoid scratches during transportation and should Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of putrins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	18.75 Sqm			Per square meter	
Total:-						

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

SCHEDULE OF QUANTITY

Estimated Cost 375314.00

Earnest Money 7510.00

Time:- Eight month

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:- Providing and Laying tile, repair of wood work, repair of cupboards, Painting and distemper in Set NO A at Parci Villa near Kaithu Shimla)

Sl. No.	Items of work	Quantity	Rate	In figures	In words	Unit.	Amount.

1	Dismantling of wooden floors upto floor two level including stacking of serviceable materials and disposal of 16.56 un-serviceable materials within 20 Metres lead (joists to be measured and paid for separately).	Sqmt				Per square metre	
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2	Half brick masonry with common burnt clay F.S. (non modular) bricks of class designation 7.5 in foundations 3.10 and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqmt				Per square metre	
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3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and 3.31 shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge	Cum				Per Cubic meter	
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4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and 1.66 shuttering - All work up to plinth level 1:1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	Cum				Per Cubic meter	
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5	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with 16.56 water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. complete Size of Tile 600mm X 600mm	Sqmt				Per square metre	
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6	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water 2.45 absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skinning, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600mm x600mm: x8mm.	Sqmt				Per square metre	
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7	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary 0.41 stainless steel screws etc.complete, including carriage of materials within all leads and lifts.- Second class deodar wood.	Cum				Per cubic metre	
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8	Providing and fixing 0.63 mm thick PGI sheet ceiling/mining of approved quality with butt jointing and wood 23.30 screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	Sqmt				Per square metre	
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9	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:5 (1 cement: 5 fine sand) including 6.21 carriage of materials in all leads and lifts.	Sqmt				Per square metre	
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10	Providing and fixing 40x6mm size wooden moulded beading to door and window frames with iron screws, plugs 96.13 and priming coat on unexposed surface etc. in 2nd class leak wood complete including carriage of materials within all leads and lifts.	Rmt				Per running metre	
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11	Providing and fixing paneled or paneled and glazed shutters for doors, windows and clerestory windows fixing 5.13 with butt hinges of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters	Sqmt				Per square metre	
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12	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials within all leads and lifts. 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class deodar wood.	2.90	Sqmtr			Per square metre
13	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 lift	14.67	Sqmtr			Per square metre
14	Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts	28.95	Sqmtr			Per square metre
15	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	13.80	Sqmtr			Per square metre
16	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.	18.97	Sqmtr			Per square metre
17	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	93.95	Rmtr			Per running metre
18	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.	256.41	Sqmtr			Per square metre
19	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.	57.42	Sqm.			Per square metre.
20	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Two coats on new wood work. including carriage of materials within all leads and lifts.	57.42	Sqm.			Per square metre.
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. One or more coats on old wood work. including carriage of materials within all leads and lifts.	168.39	Sqm.			Per square metre.
22	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: old work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	207.55	Sqm.			Per square metre.
23	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (One or more coat applied @ 0.90 ltr/10 sqm). including carriage of materials within all leads and lifts.	124.10	Sqm.			Per square metre.
24	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.	198.99	Sqm.			Per square metre.
25	Painting on G.S. sheet with synthetic enamel (Apex Ultima) paint of approved brand and manufacture of required colour to give an even shade :New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	23.30	Sqm.			Per square metre.
26	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Old work (one or more coat) applied @ 0.90 ltr/10 sqm over of approved brand and manufacture	127.05	Sqm.			Per square metre.

27		Providing and fixing Bright / matt finished stainless steel handles of approved quality with necessary screws etc. complete. Including carriage of all leads and lifts. 125mm.	8.00	No				
28	(ii)	100mm						Each
29		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.	32.00 25.00	No				Each
30		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 : 250mm x 10mm.	8.00	No				Each
	(ii)	150x10mm						Each
31		Providing and fixing Stainless steel sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 250x16 mm	20.00 4.00	No				Each
32		Providing and fixing single hole 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 :- Hindware catalogue No. 10001.	1.00	No.				Each
33		Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts:- ESS-ESS Cat No. T-127.	1.00	No				Each
34		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	2.00	No				Each
35		Providing and fixing C.P. brass angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112B	6.00	No.				Each
36		Providing and fixing Short body bib cock with wall flange of approved quality conforming to IS:8931 15 mm nominal bore. including carriage of materials within all leads and lifts.Ess-Ess Crome Cat No.T-103D	3.00	No.				Each
37		Providing and fixing central hole wash basin mixture / sink mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-ESS ESS Trend series T-118.	1.00	No				Each
38		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 250mm.	1.00	No				Each
39		Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts make viking.	2.00	No				Each
40		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 X 90 mm dia size	2.00	No				Each
		Providing and fixing viking make 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	4.00	No				Each
		Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	3.00	No				Each
		Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00	ltr				Per /Litre

44		Providing and fixing 15 mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. External work	10.00	Rmtr			Per running metre	
							Total	
		<i>i Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>						
		<i>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.</i>						


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


SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 430504.00

Earnest Money Rs. :- 8620.00

Time:- One Month.

Name of work:- Improvement of Road from Navbhar to Holly Lodge Road Km. 0/00 to 2/670(SH:-C/O Retaining wall at RD. 0/292 to 0/303)

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	54.45 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.	14.52 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)	4.84 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.	49.50 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) 1:4:8 (1 cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	60.91 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.	20.00 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.	13.20 Cum			Per Cubic Metre	

8	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : (i) Cement mortar 1:6 (1 cement : 6 coarse sand)	18.86	Cum.			Per Cubic Metre	
9	Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge. Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More.	27.22	Cum			Per Cubic Metre	
Conditions:-						Total	

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

SCHEDULE OF QUANTITY

9

Estimated Cost Rs. :- 251427.00

Earnest Money Rs. :- 5030.00

Time:- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Providing and Laying Chequered tile in back side of Block type IV at U.S Club Shimla

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	3.20 Cum			Per cubic metre.	
2	Chequerred precast NTC make cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	210.62 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.

[Signature]

Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Laying 20mm Dia G.I. Pipe Line , P/F PVC. Water Storage Tank in Governor Rest House & MS. Steel Railing in Governor House)

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. Ordinary rock including carriage of materials within all leads and lifts.	0.73	Cum			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.73	Cum			Per cubic meter	
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	420.00	Kg			Per Kilogramme	
4	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	5.04	Sqm.			Per Square Metre	
5	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work - including carriage of material within all leads and lifts as per direction of Engineer-in-charge. (i) 15mm Nominal bore	30.50	Rmt			Per Running Metre	
5.1	(ii) 20 mm Nominal Size	73.20	Rmt			Per Running Metre	
5.2	(iii) 25 mm Nominal Size	6.10	Rmt			Per Running Metre	
6	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of material within all leads and lifts as per direction of Engineer-in-	4.00	No			Each	
6.1	(ii) 20 mm Nominal Size	2.00	No			Each	
6.2	(iii) 25 mm Nominal Size	4.00	No			Each	

6.3	(iv) 32 mm Nominal Size	2.00	No			Each	
6.4	(v) 50 mm Nominal Size	1.00	No			Each	
7	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 material within all leads and lifts as per direction of Engineer-in-charge.:(i) 15mm Nominal Bore	4.00	No			Each	
7.1	(ii) 20mm Nominal Bore	6.00	No			Each	
7.2	(iii) 25mm Nominal Bore	4.00	No			Each	
7.3	(iv) 50mm Nominal Bore	1.00	No			Each	
8	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 as per direction of Engineer-in-charge..(i) (i) 15 mm Nominal Bore	6.00	No			Each	
9	Providing and fixing C.P.brass stop cock of approved quality including carriage of material within all leads and lifts as per direction of Engineer-in-charge.:(i) 15 mm Nominal Bore	6.00	No			Each	
10	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	12.00	No			Each	
11	Providing and fixing C.P. Flange(size 65mm) of approved make and quality including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	12.00	No			Each	
12	Providing and fixing uplasticised PVC connection pipe with brass unions :45 cm length (i) 15 mm Nominal Bore	6.00	No			Each	
13	Providing and fixing PVC Finolex type "B" pipes for waste water including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts :- (i) 75mm nominal size.	12.00	Rmt			Per Running Metre	
14	Providing and fixing 75 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size	4.00	No.			Each	
15	Providing and fixing 75 mm dia PVC Finolex Door Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size	2.00	No.			Each	
16	Providing and fixing 75 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size	1.00	No.			Each	

17	Providing and fixing Floor Trap type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75x90mm	1.00	No.			Each	
18	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.	4000.00	litre			Per Litre	
	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

Estimated Cost Rs. :- 210322.00

Earnest Money Rs. :- 4210.00

Time:- One Month


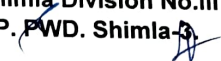
Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Fixing 150mm Dia and 100mm Dia PVC. Finolex Pipe for Repair of Sewer line of Raj Bhawan to Main Line of MC. Shimla, Near Squash Court Building , P/P/ 2000 Litres PVC. Water Storage Tank and Main hole in Governor House Building at Raj Bhawan 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.(i) All kinds of soil.	15.37 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 : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	2.98 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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.99 Cum			Per Cubic Metre	
4	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : (i) With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	5.00 No			Each	
5	Providing and fixing 150 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts(I) 150mm Nominal Dia	29.25 Rmt.			Per Running Metre	
6	Providing and fixing 100 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts(I) 100mm Nominal Dia	44.30 Rmt.			Per Running Metre	
	Providing and fixing 150 mm dia PVC Finolex Plain Tee type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts.(I) 150mm Nominal Dia	1.00 No.			Each	

8	Providing and fixing 150 mm dia PVC Finolex Door Bend type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 150mm Nominal Dia	1.00	No.			Each	
9	Providing and fixing 150 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 150mm Nominal Dia	2.00	No.			Each	
10	Providing and fixing 150 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 150mm Nominal Dia	6.00	No.			Each	
11	Providing and fixing 100 mm dia PVC Finolex Plain Tee type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	4.00	No.			Each	
12	Providing and fixing 100 mm dia PVC Finolex Door Bend type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	5.00	No.			Each	
13	Providing and fixing 100 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	3.00	No.			Each	
14	Providing and fixing 100 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	6.00	No.			Each	
15	Providing and fixing 100 mm dia PVC Finolex Door Tee type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	9.00	No.			Each	
16	Providing and fixing 100x75 mm dia PVC Reducer type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (I) 100mm Nominal Dia	3.00	No.			Each	
17	Providing and fixing mixture for kitchen sink with casted swinging spout at top including carriage of materials within all leads and lifts:- Ess Ess trend Cat No. T-127.	3.00	No.			Each	
18	Providing and fixing Health faucet fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232C.	3.00	No			Each	
19	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work - (i) 15mm Nominal bore	15.00	Rmt			Per Running Metre	
20	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts. :- 15mm nominal bore	3.00	No.			Each	
21	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) (i) 15 mm Nominal Size	2.00	No			Each	
22	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.	2000.00	litre			Per Litre	

23	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.	7.69	Cum			Per Cubic Metre	
Conditions:-						Total	

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- 1V Recovery of usefull bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.


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


SCHEDULE OF QUANTITY

Estimated cost - 210761.00

Earnest Money - 4220.00

Time - Two Month

Name of work:- A/R and M/O to various residential building under division No III Shimla.(SH:- Replacement of CGI sheet in back side of Col's cottage at U.S Club Shimla.)

Sl. NO.	1	2	Qty.	Rate		Unit.	Amount.
				In Figures.	In Words		
			3	4	5	6	
1		Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material including carriage of materials within all leads and lifts - G S sheet.	57.00 Sqm			Per square metre	
2		Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood	0.85 Cum			Per Cubic metre	
		Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than	57.00 Sqm.			Per Square metre	
		Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials within all leads and lifts - 0.63 mm thick with zinc coating not less than 275 gm/m ² .	16.00 Rmt.			Per running metre	
		Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	16.00 Sqm.			Per Square metre	
		Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm. of approved brand and manufacture including carriage of materials within all leads and lifts.	16.80 Sqm			Per square metre	
		Providing and fixing pipes on wall face PVC (Finolex) type "A" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc. complete including carriage of materials within all leads and lifts 110mm nominal size.	12.00 Rmt			Per running metre	
		Providing and fixing PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	4.00 No.			Each	
		Providing and fixing PVC offset 45degree ISI marked including fixing with approved adhesive etc. 110mm dia complete including carriage of materials within all leads and lifts.	2.00 No			Each	
		Providing and fixing PVC clamps ISI mark of approved design of diameter 150mm dia complete including carriage of materials within all leads and lifts.	6.00 No.			Each	
		Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedestal of CGI Sheet etc. in all respect (Face area of scaffolding up to top pedestal height shall be measured and paid for) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	63.00 Sqm			Per square metre	

12	Providing and fixing 15 cm. wide 45 cm. overall semicircular plain G.I. sheetgutter with iron brackets 40x3mm size bolts and nuts and washers etc. including making necessary connections with rain water pipe complete as per design.0.63mm thk	20.00 Rmt.			Per running metre.	
					Total:-	

CONDITION

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

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


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



13

SCHEDULE OF QUANTITY

Estimated cost:-

215719.00

Earnest Money:-

4350.00

Time :-

One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Construction of pedestal along with water storage tanks to block No. D-1 etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	724.28 Kg.			Per Kiligramme	
2	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.	59.86 Sqm			Per square meter	
3	Providing and fixing 250x16 mm ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
4	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc complete including carriage of materials within all leads and lifts. 125 mm.	2.00 No.			Each	
5	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.	8000.00 Ltrs.			Per Litre	
6	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc Internal work - Exposed on wall 15 mm dia nominal bore including carriage of materials within all leads and lifts.	15.00 Rmt.			Per running metre.	
7	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) 15 mm nominal bore including carriage of materials within all leads and lifts.	17.00 No			Each	
8	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.	17.00 No.			Each	
9	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm of approved brand and manufacture as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts.	112.01 Sqm			Per square meter	
Total:-						

CONDITION:-

- 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

Estimated Cost Rs 301743.00

Earnest Money Rs 6030.00

Time:- Eight months

Name of work:- A/R and M/O various residential buildings under Vidhan Sabha Sub- Division No III Shimla. (SH:- Providing and laying chequered tile in front of verandah of set no 1 to 4 stair hall and new block back side of path of type -1 and other repair work etc)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				n figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	6.26	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	38.59	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	9.37	Cum			Per cubic metre.	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size)	8.62	Cum.			Per cubic metre.	
5	Centering and shuttering including strutting, propping etc. and removal of form for all heights :including carriage of materials in all leads and lifts. Edges of slab and brackets in floors and wall	41.84	Rmtr			Per running metre	
6	Chequered precast NTC make cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	105.51	Sqm.			Per square metre.	
7	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.	67.16	Sqm.			Per square metre.	
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.	44.83	Cum			Per cubic metre	
						Total	
i Rates should be quoted for all heights including all leads and lifts for internal and external works.							
ii Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.							

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 251128.00

Earnest Money Rs. :- 5030.00

Time:- One Month.

Name of work: -Special Repair to Nursing Hostel in Block-B at IGMC. Shimla (SH:- Providing and Fixing Snow Guard above roof)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding.	135.000	Sqm			Per Square Metre	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	1861.65	Kg			Per Kilogramme	
3	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	15.00	Rmt.			Per Running Metre	
4	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	5.40	Sqm			Per Square Metre	
5	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge.	85.17	Sqm			Per square metre	
Conditions:-						Total	

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

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:- 169854.00
Earnest Money:- 3400.00
Time :- One Month

Item of work:-Special repair to residential accommodation under CMO at DDU hospital Shimla. (SH:-Providing and fixing Cupboards, tiles, wood work, shutters, painting & distempering including sanitary fittings etc in the residential accommodation of Smt. Sheela Thakur & Sh. Chajju Ram at DDU hospital Shimla).

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete size of tiles 600x600mm thick including carriage of materials within all leads and lifts.	31.97 Sqm			Per square meter	
2	Providing and fixing 1st quality ceramic glazed wall tiles of size 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.	20.39 Sqm			Per square meter	
3	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.	2.00 Sqm.			Per square meter	
4	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.	0.03 Cum			Per Cubic meter	
5	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	1.62 Sqm			Per square meter	
6	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position, complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.	0.034 Cum			Per cubic meter	
7	Providing and fixing 35mm thick paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.27 Sqm			Per square meter	
8	Providing and fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws. complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	3.14 Sqm.			Per square meter	
9	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.	80.02 Sqm.			Per square meter	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 25 mm nominal size) including carriage of materials within all leads and lifts.	0.28 Cum			Per Cubic meter	
11	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 manufacturer including carriage of materials within all leads and lifts.	18.50 Sqm			Per square meter	
12	Providing and fixing 15mm dia CP brass bib tap (Superior or heavy type) including carriage of materials within all leads and lifts:-	1.00 No.			Each	
13	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	2.00 No.			Each	
14	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	8.00 Rmt.			Per running metre.	

	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No.			
	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.	8.00 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. 150x10 mm including carriage of materials within all leads and lifts.	4.00 No.		Each	
18	Providing and fixing uplasticsed PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	1.00 No.		Each	
19	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	1.00 No.		Each	
20	Providing and fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No.		Each	
21	Providing & fixing CP waste pipe 32mm dia for wash basin or sink including carriage of materials in all leads and lifts.	1.00 No.		Each	
22	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	
23	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.	11.55 Sqm.		Per square metre	
24	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts.	6.64 Sqm.		Per square metre	
25	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) 12mm thick commercial ply conforming to IS : 1328 BWR type including carriage of materials within all leads and lifts.	6.25 Sqm.		Per square meter	
26	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.	23.16 Rmt.		Per running metre	
26	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.	9.84 Sqm.		Per square metre	
27	Providing and fixing 65x35mm special quality bright finished brass cup board locks or wardrobe locks with six levers including necessary screws etc. complete (Indian make of approved quality) including carriage of materials within all leads and lifts.	6.00 No.		Each	
28	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.	6.00 No.		Each	
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.14
HP.PWD.Shimla-174003

SCHEDULE OF QUANTITY

Estimated cost:-

Earnest Money:-

Time :-

227306.00

4550.00

One Month

Name of work:- A/R & M/O Various Non residential buildings under Shimla Division No. III (SH:-Providing & fixing cupboards, tiles, lining, painting & distempering including sanitary fittings in the toilet of S.E. office & E.E. Office) at Winterfield Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	0.52 Cum			Per Cubic meter	
2	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.	6.93 Sqm.			Per square meter	
3	Providing and fixing 1st quality ceramic glazed wall tiles of size 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.	20.68 Sqm			Per square meter	
4	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 colours, shades laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc. , complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	5.21 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	4.31 Sqm.			Per square metre.	
6	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	1.93 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.	10.52 Rmt.			Per running metre.	
8	Providing and fixing 6mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.	1.98 Sqm.			Per Square metre	
9	Providing and fixing veneered decorative plywood lining with decorative surface on one face with butt jointing and nails(frame work and cover fillets to be measured and paid for separately) 4mm thick ply-3ply complete including carriage of materials within all leads and lifts.	4.31 Sqm			Per square meter	
10	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.	4.00 No.			Each	
11	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. 125 mm including carriage of materials within all leads and lifts.	4.00 No.			Each	
12	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within all leads including carriage of materials and as per the direction of the Engineer-in-Charge.	25.89 Sqm.			Per square 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 1:3:6 or richer mix (i/c equivalent design mix) including carriage of materials within all leads and lifts.	0.52 Cum			Per cubic meter	
14	Painting on wood work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	65.66 Sqm.			Per square metre.	

15	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour Two coats including carriage of materials within all leads and lifts.	37.51 Sqm			Per square meter	
16	Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler in all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge.	53.55 Sqm			Per square meter	
17	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 dia.	4.80 No.			Each	
18	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	4.00 No			Each	
19	Providing and fixing 110mm nominal size PVC Finolex collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
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.	4.00 No.			Each	
21	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia nominal bore including carriage of materials in all leads and lifts.	5.90 Rmt			Per running metre	
22	Providing and fixing 15mm dia bib cock (Superior or heavy type) ESS ESS INBC-101 including carriage of materials within all leads and lifts.	2.00 No.			Each	
23	Providing and fixing wash basin mixer of ESS ESS make INBM-101 including carriage of materials within all leads and lifts.	2.00 No.			Each	
24	Providing and fixing Angle stop cock of approved quality 15 mm nominal bore ESS ESS make INAC-101 including carriage of materials within all leads and lifts.	14.00 No.			Each	
25	Providing and fixing uplasticated PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	8.00 No.			Each	
26	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00 No.			Each	
27	Providing and fixing C.P. brass waste coupling for wash basin or sink ESS ESS make Catalogue No. C-230D including carriage of materials within all leads and lifts :-32 mm dia.	2.00 No.			Each	
28	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	2.00 No.			Each	
29	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts. Wash basin NEO Catalogue No. 10098	2.00 No.			Each	
30	Providing and fixing vitreous China pedestal for wash basin including carriage of materials within all leads and lifts. Opeal Neo Catalogue No. 11032.	2.00 No.			Each	
31	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 sand) (Seat and over to be measured and paid for separately) :-Anglo Indian Universal closet make hindware one piece element HSIL Catalogue No. 92565 including carriage of materials within all leads and lifts.	2.00 No.			Each	
32	Providing and fixing towel rail of make ESS ESS Catalogue No. AC-101 including carriage of materials within all leads and lifts.	2.00 No			Each	
33	Providing and fixing towel ring of make ESS ESS Catalogue No. AC-102 including carriage of materials within all leads and lifts.	2.00 No			Each	
34	Providing and fixing CP soap dish of make Vicking Catalogue No. 38060 including carriage of materials within all leads and lifts.	2.00 No			Each	
35	Providing and fixing Liquid soap dispenser of make Vicking Catalogue No. 1125 including carriage of materials within all leads and lifts.	2.00 No			Each	

36	Providing and fixing 100mm grating with hole Vicking for floor or nahani trap including carriage of materials within all leads and lifts. Cat No. 40906.A.	2.00 No			Each
37	Providing and fixing Acrylic glass shelves of ESS ESS make Catalouge No. AC-307 including carriage of materials within all leads and lifts.	2.00 No			Each
38	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete White solid plastic seat with lid including carriage of materials within all leads and lifts.	3.00 No.			Each
39	Providing and fixing Health Faucet of make ESS ESS Catalogue No. C-232Y including carriage of materials within all leads and lifts.	3.00 No.			Each
40	Providing and fixing brass full way valve with wheel including carriage of materials within all leads and lifts. 15mm nominal bore	2.00 No.			Each
41	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.	2.00 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-171003

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 205075.00

Earnest Money Rs. :- 4110.00


Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:- Dismantling work , Disposal of Dismantled Material and Repair of Emergency Stairs)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolition above G.L. upto floor all level including disposal of unserviceable materials un-reinforced cement concrete more than 15cm thickness including carriage of materials within all leads and lifts.	7.68 cum.			Per Cubic metre	
2	Disposal of earth / moorum / malba / building rubbish / similar un-surviceable dismantalled 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.	153.66 cum.			Per Cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts	10.87 cum.			Per Cubic metre	
4	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts:-Plain Glass:4mm thick.	13.26 Sqm			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

Estimated cost:- 315479.00

Earnest Money:- 6510.00

Time :- Two Month.

Name of work:- S/R to Various residentail buildings under division no III Shmla. (SH:- Providing and fixing Tank Stand for type IV Block-B at Richmond Shimla.)

Sl. NO.		Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 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.	0.31 Cum			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	2.74 Cum			Per cubic metre	
	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	2570.39 Kg			Each	
	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.	50.00 Sqm			Per square metre	
					Total:-	

CONDITION

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

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

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

SCHEDULE OF QUANTITY

20

Estimated Cost Rs. :- 87429.00

Earnest Money Rs. :- 1750.00


Time:- One Month.

Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:- Painting and distempering in outside of block C-4 & C-5 at Bemloe Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Painting wood work with Deluxe Multi Surface Paint of required shade. one or more coat applied @ 0.90 ltr/10 sqm . complete in all respect and as per the direction of engineer-in-charge	511.25	Sqm		Per square metre	
2	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.	138.00	Sqm		Per square metre	
3	Applying a coat of mordant solution on G.S. sheet:With a solution made of 13 gms of hydrochloric acid in a solution of 13 gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a litre of soft water. complete in all respect and as per the direction of engineer-in-charge	45.96	Sqm.		Per Square metre	
4	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution. complete in all respect and as per the direction of engineer-in-charge.	45.96	Sqm		Per square metre	
	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :old work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution. complete in all respect and as per the direction of engineer-in-charge.	216.85	Sqm		Per square metre	
6	Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedestal of CGI Sheet etc. in all respect (Face area of scaffolding up to top pedestal height shall be measured and paid for) including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge	150.00	Sqm		Per square metre	
7	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	138.00	Sqm		Per square metre	
8	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	345.00	Sqm.		Per Square metre	

CONDITION

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


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 147931.00

Earnest Money Rs. :- 2960.00

Time:- One Month.

Name of work: -A/R &M/O to Residential building Under Shimla Division No.III(SH:- Finishing wall with Exterior Paint (Apex ultima) outside of Block-I Transit Accommodation at Jakhoo Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	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.	371.75 Sqm			Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	371.75 Sqm			Per Square Metre	
3	Finishing walls with Acrylic Smooth exterior emulsion of required shade(Apex ultima) Old work (One or more coat including carriage of materials and as per the direction of the Engineer-in-Charge.	743.49 Sqm			Per square meter	
4	Painting with synthetic enamel paint on previously painted wood 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.	145.09 Sqm			Per Square Metre	
5	Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.	481.70 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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 333356.00

Earnest Money Rs. :- 6670.00

Time:- One Month.

Name of work: -Special repair to various Residential Building under Shimla Division No. III(SH:- Providing and Laying CC:1:2:4 in Plinth and stone soling Near Mudkanda House At Barnes Court Shimla) (in Level -1)


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.	12.38	Cum			Per Cubic Metre	
2	Earth work in excavation by manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kinds of soil.	41.60	Cum			Per Cubic Metre	
3	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.	23.01	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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	38.44	Cum			Per Cubic Metre	
5	Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour)	13.03	Cum			Per Cubic Metre	
6	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 lailefts, 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.	53.98	Cum			Per Cubic Metre	
Conditions:-							Total

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

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

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

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. :- 390335.00

Earnest Money Rs. :- 7800.00

Time:- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:-Repair of cupboards, repair of kitchen flooring, fencing etc in set no C-7 at Bemlole 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.	2.62	Cum		Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	2.62	Cum		Per cubic metre.	
3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand) complete including carriage of material in all leads and lifts	10.10	Sqm		Per square metre	
4	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	30.68	Sqm		Per square metre	
5	Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts	6.19	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.	1365.92	Kg		per kilogramme	
7	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	26.51	Sqm.		Per square metre.	
8	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. size 300mmx300mm.	21.01	Sqm.		Per square metre.	
9	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg / sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600mm x600mm.	5.50	Sqm		Per square metre	
10	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.	18.19	Sqm		Per square metre	
11	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.	21.65	Sqm		Per square metre	

	Providing and fixing high pressure PVC finolex type -A spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts. -110mm dia. 75mm	26.50	Rmtr			per running metre	
		7.30	Rmtr			per running metre	
	Providing and fixing on wall faces PVC (finolex) type-A accessories for rain water pipes including filling the joints with approved adhesive complete PVC Plain bend 110mm dia including carriage of materials within all leads and lifts. 75mm	11.00	No.			Each	
		2.00	No.			Each	
4	Providing and fixing PVC FINOLEX collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110 mm dia	9.00	No.			Each	
5	Providing and fixing PVC Finolex single equal branch plain complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. -110mm dia. 75mm	3.00	No.			Each	
ii)		4.00	No.			Each	
	Providing and fixing PVC (Finolex) off set (45 degree) ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts.	2.00	No.			Each	
17	Fixing corrugated G.I sheet roofing fixed with self drilling screws or with galvanised iron J or L hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafters and trusses including carriage of materials within all leads and lifts. 0.63 mm thick sheet. (Labour Rate.)	200.00	Sqm			Per square metre	
18	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes.	3.83	Sqm.			Per square metre.	
19	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts. - Double strip (horizontal type).	40.00	No			Each	
20	Providing and fixing bajajleen non wooven flooring covering to floor having pile height 5.5mm and weight 1450-1550 gm per sqm. Plain or coloured laid with an approved adhesive on sub floor including cutting and fixing complete to sub floor including damp proofing treatment (damp proofing treatment to be measured separately for payment) as per the direction of Engineer-in-Charge including carriage of material with in all leads and lifts.	50.53	Sqm			Per Square Metre	
	Conditions -						
	Rates should be quoted for all heights including all leads and lifts for internal and external works.						

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

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

SCHEDULE OF QUANTITY

24

Estimated Cost | 390560.00

Earnest Money | 7810.00

Time:- Eight months.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:- Repar of tile work, sanitary fittings etc. in set No.A Percivilla near kaithu Shimla)

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 50 metres lead as per direction of Engineer - in- charge.	0.12 Cum			Per meter	Cubic
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	47.39 Sqmtr			Per metre	square
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead including carriage of materials within all leads and lifts. Of area 3 sq. metres and below.	4.00 No			Each	
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 1:3:6 or leaner mix (1/c equivalent design mix)	7.88 Cum			Per meter	Cubic
5	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials in all leads and lifts.	32.69 Sqmtr			Per metre	square
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure Cement mortar 1:6 (1 cement : 6 coarse sand)	1.42 Cum			Per metre	cubic
7	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)	20.69 Sqmtr			Per metre	square
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size). including carriage of materials within all leads and lifts	6.07 Cum			Per metre	cubic
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.83 Cum			Per metre	cubic
10	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	1.70 Cum			Per metre	cubic
11	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm	26.62 Sqmtr			Per metre	square
12	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	61.28 Sqmtr			Per metre	square

	Providing and fixing high pressure PVC finolex type A spigot and socket, waste and ventilating pipes ISI 25.7 marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	25.7	Rmtr		Per square metre
(ii)	110mm dia	24.6	Rmtr		Per square metre
	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia	3.00	No		Per square metre
(ii)	110mm dia	3.00	No		Each
	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	1.00	No		Each
(ii)	110mm dia	3.00	No		Each
6	Providing and fixing PVC offset 45degree ISI marked including fixing with approved adhesive etc. 150mm dia complete including carriage of materials within all leads and lifts.	1.00	No		Each
(ii)	110mm dia	4.00	No		Each
7	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	4.00	No		Each
(ii)	110mm dia	10.00	No		Each
18	Providing and fixing PVC finolex type A single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	4.00	No		Each
19	Providing and fixing PVC finolex type A single equal branch door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	1.00	No		Each
20	Providing and fixing 110mm dia PVC Finolex Type A 'P' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc. complete including carriage of materials within all leads and lifts.	5.00	No		Each
21	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 75 mm. Providing and fixing PVC floor trap 110 X 90 mm dia size complete.	4.00	No.		Each
22	Providing and fixing 15 mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. internal work	36.86	Rmtr		Per running metre
23	Providing and fixing G.I unions in G.I pipe including cutting and threading the pipe and making long screw etc. complete. carriage of materials within all leads and lifts	5.00	No		Each
24	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials within all leads and lifts:- (i) 15mm nominal bore.	1.00	No		Each
25	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	5.70	Sqm.		Per square metre.
26	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.	7.59	Rmtr		Per running metre.
27	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.	11.96	No		Each

	Providing and fixing vitreous China wash down water closet including cistern of capacity 10 ltr. (European type: W.C. pan) universal star while Hindware catalogue No. 20012 complete set with integral P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (including cistern of including 10ltr capacity carriage of materials within all leads and lifts.	1.00 No.		Each	
	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 catalogue No. 10001.	2.00 No.		Each	
	Providing and fixing 32mm dia C.P. waste coupling for wash basin or sink including carriage of materials within 3.00 all leads and lifts. -make viking	No		Each	
	Providing and fixing C.P. brass angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of 10.00 materials within all leads and lifts - Ess Ess make Cat No. T-12B	No.		Each	
32	Providing and fixing Wall mixer with non-telephonic shower arrangement including connection fitting complete 2.00 in all respect of make complete including carriage of materials within all leads and lifts.-Cat No. T-121	No		Each	
33	Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of 1.00 materials within all leads and lifts.- ESS-ESS Cat No. T-127.	No		Each	
34	Providing and fixing 600mm x 120mm acrylic glass shelf with C.P. brass bracket and guard rail complete, 2.00 fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.- ESS ESS catalogue No. AC-101	No.		Each	
35	Providing and fixing Ess-ESS soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with 4.00 concealed fitting arrangements, weighing not less than 106 gms. AC-103.	NOS		Each	
36	Providing and fixing Acrylic shelf of ESS ESS make catalogue No. AC-107 or equivalent complete fixed to 2.00 wooden plugs with C.P. brass screws fitting complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.	No		Each	
37	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap 8.00 including carriage of materials within all leads and lifts.	No		Each	
38	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to 1.00 European type W.C. of quality and make as approved by Engineer - in - charge.	No		Each	
39	Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all 3.00 leads and lifts.	No.		Each	
40	Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within 10.00 all leads and lifts. Make viking.	No		Each	
41	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 2.00 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	No.		Each	
42	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and 1.00 stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. 610x460 mm bowl depth 250mm.	No.		Each	
43	Providing and fixing Short body bib cock with wall flange of approved quality conforming to IS:8931 15 mm 4.00 nominal bore. including carriage of materials within all leads and lifts. Ess-Ess Crome Cat No. T-103D	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,
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Earnest Money Rs. :- 2400.00

Name of work: - Furnishing of Minister House No. 3 at Grant Lodge Shimla-2. (SH:- Providing & fixing Curtains etc).

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Shimla Division No.III

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SCHEDULE OF QUANTITY

26

Estimated Cost Rs. :- 100169.00
 Earnest Money Rs. :- 2010.00

Time:- One Month.

Name of work: - A/R & M/O Arnasdale Building at HP. Sectt. Shimla-2(SH):- Providing and fixing curtains and tissue curtains etc. in Room No. A501 & A503.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing curtain of superior quality cloth as per approved sample of D-Decor make 500gsm including quality of cloth, design and shade etc. of specified length and standard width 48" including stitching complete in all respect and as per the direction of the Engineer in Charge having Stitched Curtain having length 2.60metres to 2.90 metres.	21.00 No.			Each	
2	Providing and fixing Net / Tissue curtain of superior quality cloth as per approved sample including quality of cloth, design and shade etc. of specified length and standard width including stitching with approved curtain tape and curtain rings etc. complete in all respect and as per the direction of the Engineer -in-Charge having Stitched Curtain having length 2.60metres to 2.90 metres.	21.00 No.			Each	
3	Providing and fixing froasted lamination sheet of approved shade and quality on glass complete as per direction of Engineer-in-charge including carriage of materials within all leads and lifts.	18.54 Sqm			Per square metre.	
Conditions:-					Total	

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


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

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SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 272406.00
 Earnest Money Rs. :- 5450.00
 Time:- One Month.

Name of work: - Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: - Balance work of retaining wall near record maintaining room.).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	29.55 Cum.			Per cubic metre.	
2	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	84.76 Cum			Per Cubic metre	
3	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.	6.50 Rmt.			Per Running 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.

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 HP. PWD. Shimla-3.

SCHEDULE OF QUANTITY

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:-Painting and distempering outside of building and other minor repair work in A-2 type VI at Bemise Section)

Sl. No.	Items of work	Quantity	Rate	Unit	Amount
1	Providing wood work in frames of false ceiling partitions etc. sawn and fixed in position with lifts. - Rate wood cut in wood	0.038 Cum		Per cubic metre	
2	Providing and fixing paneled or paneled and glazed shutters for doors, windows and decorative windows fixing with but hinges of required size with necessary screws, excluding paneling which will be paid for separately. All complete as per direction of Engineer-in-charge. (Note:- But hinges and necessary screws shall be paid separately.) Decoder wood wood 35 mm thick shutters	1.74 Sqm.		Per square metre	
3	Paneling & wall lining 10 mm thick at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately).	3.50 Sqm.		Per Square metre	
4	Providing composite G.S. sheet roofing including vertical / curved surface fixed with polymer coated L or L hooks, bolts and nuts 8 mm diameter with burners and G.I. limpet washers or with G.I. limpet washers fitted with white lead including a coat of approved steel primer and two coats of approved paint or overcoating of sheets complete (up to any pitch in horizontal / vertical or curved surfaces), excluding the cost of burners, rafters and trusses and including cutting to size and shape wherever required 2.50 mm thick with zinc coating not less than	20.40 Sqm.		Per square metre	
5	Steel work welded in built up sections, framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar ladder, ramps, brackets, gates and similar works	453.39 Kg.		Per kilogramme	
6	Removing dry or of bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	375.30 Sqm.		Per square metre	
7	Removing white or colour wash by scraping and sand papering and preparing the surface smooth	186.72 Sqm.		Per square metre	
8	Providing and fixing Aluminium tower bolts (S) marked anodised (anodic coating not less than grade A.C. 10 as per IS 1566) transparent or dyed to required colour or shade with necessary screws etc. complete. 150x10 mm	4.00 No.		Each	
9	Providing and fixing aluminium handles (S) marked anodised (anodic coating not less than grade A.C. 10 as per IS 1566) transparent or dyed to required colour or shade, with necessary screws etc. complete. 100mm.	2.00 No.		Each	
10	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)	6.39 Sqm.		Per square metre	
11	Painting wood work with Deluxe Milk Surface Paint of required shade. Two or more coat applied of approved brand and manufacture, including carriage of materials in all leads and lifts.	6.39 Sqm.		Per square metre	
12	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacture, over the plastered wall surface to prepare the surface even and smooth, complete	683.02 Sqm.		Per square metre	

Estimated Cost Rs. :- 312877.00
 Earnest Money Rs. :- 6260.00
 Time:- One Month

Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer	940.75 Sqm.				Per square metre.	
Finishing walls with Acrylic Smooth exterior paint of required shade : old work (One or more coat applied @ 1.67 ltr/10 sqm). including carriage of materials within all leads and lifts.	466.8 Sqm.				Per square metre.	
Melamine polishing on wood work (one or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge	204.52 Sqm.				Per square metre.	
Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture	994.83 Sqm.				Per square metre.	
Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Old Work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	207.00 Sqm.				Per square metre.	
CONDITION						

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

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

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