

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

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

14758

Dated:- 25-8-22

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

Subject: - Tender Notice.

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

Encl: - As above

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

**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 03-09-2022 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 02-9-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 02-09-2022.

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	Restoration of Rain damages on Road from Navbahar to Holly Lodge Km.0/00 to 2/670 (SH:-C/O retaining wall at RD. 0/284 to 0/292).	Rs.2,54,668/-	Rs.5100/-	One Month	6&8	350/-
2	Special repair to Himachal Hospital of Mental Health & Rehabilitation Boileauganj Shimla-5 (SH:- Excavation work, brick work, steel work, flooring work, aluminium work, cupboard painting, distemping work water supply and sanitary for the construction of canteen in Hospital complex)	Rs.4,99,878/-	Rs.10000/-	One Month	6&8	350/-
3	A/R & M/O Old dental Nursing Hostel at IGMCI Shimla (SH:- Outer side painting and distemping with roof painting etc.).	Rs.1,30,221/-	Rs.2610/-	One Month	6&8	350/-
4	S/R to Raj Bhawan Qtrs at Armsdale near Peterhoff Shimla (SH:- Repair of kitchen, P/L door windows, repair of cupboard, P/L floor tiles, wall tiles, painting and distemping etc. in Set NO. 4, 5,&6).	Rs.3,21,926/-	Rs.6440/-	One Month	6&8	350/-
5	Special repair to DDU hospital building at Shimla (SH: - Repair of settled floor, columns & beams and steel stairs along main block-D of Old building DDU hospital Shimla).	Rs.4,71,653/-	Rs.9450/-	One Month	6&8	350/-
6	R/R Damages on Road from Navbahar to Holly Lodge Road Km. 0/00 to 2/670 (SH:- Repair and re-fixing of steel railing at RD. 0/260 to 0/324).	Rs.83,365/-	Rs.1670/-	One Month	6&8	350/-
7	Special repair to DDU Hospital at Shimla (SH: - Repair of X-Ray room).	Rs.3,00,972/-	Rs.6050/-	One Month	6&8	350/-
8	A/R & M/O various Non residential buildings under Shimla Division No.III (SH: - Construction of PWD structural steel store & protection wall etc.) at Nabha Estate Shimla).	Rs.3,29,214/-	Rs.6600/-	One Month	6&8	350/-
9	Special repair to PSA Plant at Kamla Nehru Hospital Shimla (SH: - Providing and fixing Thermocol work, Ply work etc. in PSA Plant).	Rs.1,51,830/-	Rs.3040/-	One Month	6&8	350/-
10	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Providing & fixing cupboards, tiles, flooring, painting including sanitary fittings in set No. 1/4 Royal Hostel) at Nabha Estate Shimla).	Rs.1,89,975/-	Rs.3800/-	One Month	6&8	350/-
11	Special repair to Sister Nivedita Govt. Nursing College at IGMCI Shimla (SH:- Providing and laying interlocked tile 60mm thick surrounding Badminton Court).	Rs.3,30,078/-	Rs.6610/-	One Month	6&8	350/-
12	A/R & M/O various Non residential buildings under Shimla Division No.III (SH: - Construction of temporary store on back side of Division/ Circle office) at Winter Field Shimla).	Rs.3,93,694/-	Rs.7900/-	One Month	6&8	350/-
13	Special repair to Patwari Office at Phagli Shimla (SH:- Providing and fixing roofing, stairs and painting etc.).	Rs.3,94,755/-	Rs.7900/-	One Month	6&8	350/-
14	Special repair to various residential buildings under Shimla Division NO.III (SH: - Covering of front side Courtyard at Marlin Park block No.1) at Nabha Estate Shimla).	Rs.2,39,623/-	Rs.4800/-	One Month	6&8	350/-
15	Special repair to residential building under Shimla Division No.III (SH: - Renovation of Rooms, Kitchen and Toilets of Set No.1 Ground Floor Block No.9 at Barnes Court Shimla-2).	Rs.3,65,231/-	Rs.7310/-	One Month	6&8	350/-
16	A/R & M/O Armsdale Building at HP Sectt. Shimla-2 (SH:-Providing and fixing M.S. channel inside lift well of phase-III and brackets for PTC fencing etc.).	Rs.3,62,760/-	Rs.7260/-	One Month	6&8	350/-
17	A/R & M/O High Court Building at Shimla (SH:- Providing and laying cement concrete, painting and distemping in court no.2 and other miscellaneous repair work in High Court Premises).	Rs.3,89,720/-	Rs.7800/-	One Month	6&8	350/-
18	Special repair to Sister Nivedita Govt. Nursing College at IGMCI Shimla (SH:-Providing and laying cement concrete 1:4:8, 1:2:4 20mm and Chequered tiles in Badminton Court).	Rs.4,99,155/-	Rs.9990/-	One Month	6&8	350/-
19	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Providing & fixing flooring in Set No.H-III/87, E-II, F-II/68, 20/4, KF, 20/7MF etc.) at Nabha Estate Shimla).	Rs.1,81,649/-	Rs.3650/-	One Month	6&8	350/-
20	S/R to H.P. State Museum at Chaura Maidan Shimla. (SH: - Providing frame structure and welded mesh to kitchen near Curzon house building).	Rs.3,11,654/-	Rs.6230/-	One Month	6&8	350/-
21	Special repair to Residential building under Shimla Division No.III (SH:- Dismantling tile work, CC. flooring, wood work, painting and distemping & sanitary works in Servant Quarter at Sylvan Hall Near Long Wood Shimla).	Rs.3,73,883/-	Rs.7480/-	One Month	6&8	350/-
22	A/R & M/O various Residential building under Shimla Division No.III (SH:- Approach Path to Transit Accommodation Set No.1 to 16 Rest House Shimla-2).	Rs.1,60,106/-	Rs.3210/-	One Month	6&8	350/-
23	Special repair to various residential buildings under Shimla Division No.III (SH:-Providing and fixing cupboards in block No. K-III/108, 109, 114, 111, 112 & block-V-II/2 etc.) at Nabha Estate Shimla).	Rs.3,01,745/-	Rs.6050/-	One Month	6&8	350/-

24	A/R & M/O to various residential building under Shimla Division No.III (SH:-Repair of Sewer Line & Sanitary work in Craig Garden, No. 4, 3, 5 & Lokayukata office at Barnes Court Shimla).	Rs.3,06,785/-	Rs.6140/-	One Month	6&8	350/-
25	Restoration of rain damages road from Annadale road Km. 0/00 to 4/160 (SH:- C/O random rubble masonry retaining wall at Km RD. 3/270 to RD. 3/277).	Rs.1,23,913/-	Rs.2480/-	One Month	6&8	350/-
26	A/R and M/O VRB's & NRB's under Division No.III Shimla (SH:- Shifting of Testing apparatus and Machinery from lab at basement of camp office building at U.S. Club to newly constructed lab at Nirman Bhawan Shimla).	Rs.1,32,000/-	Rs.2640/-	One Month	6&8	350/-
27	A/R & M/O various residential buildings under division No.III Shimla (SH:- Repair of work of ceiling, flooring, cupboards in block No.1 of block No.1 & sanitary fittings in set No. 30, 31 at U.S. Club Shimla).	Rs.2,60,474/-	Rs.5210/-	One Month	6&8	350/-
28	A/R & M/O various residential building under Shimla Division No.III (SH:- Repair of Brockleen Qtr. Set No.5 type-III (IInd floor) at Majitha House Chotta Shimla).	Rs.1,39,716/-	Rs.2800/-	One Month	6&8	350/-
29	Special repair to Ellerslie Main Building at HP Secretariat Shimla-2 (SH:- Repair of flooring, cupboard and finishing etc. in room No. 130).	Rs.3,99,003/-	Rs.7990/-	One Month	6&8	350/-
30	A/R & M/O various residential buildings under division No.III Shimla (SH:- Providing steel shed, painting and distempering, repair of tile work in Curzon House).	Rs.2,33,557/-	Rs.4670/-	One Month	6&8	350/-
31	A/R & M/O various residential buildings under division No.III (SH:-Covering of drain in front of block No.3 at U.S.Club Shimla).	Rs.2,70,358/-	Rs.5410/-	One Month	6&8	350/-
32	Special repair to Lokayukta office Near Raj Bhawan Shimla-2 (SH:-Repair of damaged Dhajji wall frames, brick work, window shutters, P/F PGI sheets in outer side wall ground floor up to sill level).	Rs.3,23,505/-	Rs.6480/-	One Month	6&8	350/-
33	Stock storage of Shimla Division No.III HP.PWD. Shimla for the year 2022-23 (SH:-Shifting/Loading and unloading of steel from site of block No.34 to place behind Royal Hotel & PWD block) at Nabha Estate Shimla).	Rs.1,32,126/-	Rs.2650/-	One Month	6&8	350/-
34	A/R & M/O various residential buildings under division No.III Shimla (SH:- Supply and applying of Epoxy Grouting for repair of cracks in old Richmond Villa building Set No. 1 & 2 at Richmond Shimla).	Rs.3,96,289/-	Rs.7930/-	One Month	6&8	350/-
35	S/R to various residential buildings under Division No.III Shimla (SH: - Repair of Sewer line and constructing Manholes to block 1, 2, 3 at Oak-Over).	Rs.2,83,915/-	Rs.5680/-	One Month	6&8	350/-
36	S/R to various residential buildings under division No.III Shimla (SH:-Repair of cupboards, repair of ceiling etc. in set No. 16 type-V at Richmond Shimla).	Rs.3,32,891/-	Rs.6660/-	One Month	6&8	350/-
37	Restoration of rain damages to road from Old MLA Qtrs to Boileauganj Crossing by-Pass road KM. 0/00 to 0/400 (SH:-Construction of Breast wall at RD0/325.50 to RD 0/331).	Rs.3,92,192/-	Rs.7840/-	One Month	6&8	350/-
38	A/R & M/O to various residential buildings under division No.III Shimla (SH:-Repair of sewerline stone soling and Manhole etc. in Backside of U.S.Club Shimla).	Rs.2,20,869/-	Rs.4420/-	One Month	6&8	350/-
39	S/R to various residential buildings under division No.III Shimla (SH:-C/O garage in C-12 at Bemloe Shimla (Balance work).	Rs.3,69,107/-	Rs.7380/-	One Month	6&8	350/-
40	Restoration of rain damages to road from Old MLA Qtrs to Boileauganj Crossing by-pass road KM 0/00 to 0/400 (SH:-Construction of P.C.C. R/wall at RD 0/375 to RD 0/380.50).	Rs.3,70,931/-	Rs.7410/-	One Month	6&8	350/-

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

Terms & Conditions:-

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

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

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

1. The Engineer-in -Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla-2.
2. The Deputy Commissioner Distt. Shimla-I.
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 07.January, 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
Dated:-

25-8-22

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 254668.00
Earnest Money Rs. :- 5100.00

Time:- One Month.

Name of work: -Restoration of Rain Damages on Road From Navbahar to Holly Lodge Km. 0/00 to 2/670(SH:- C/O Retaining Wall at RD. 0/284 to 0/292)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) All kinds of soil.	29.99 Cum			Per Cubic Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (i) All kinds of soil.	10.56 Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses filets, kerbs and steps etc.	38.50 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 : (a) 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size)	3.52 Cum.			Per Cubic Metre	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	35.60 Cum.			Per Cubic Metre	
6	Random rubble masonry with hard stone in foundation and plinth upto plinth level with : (i) Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of materials within all leads and lifts.	15.02 Cum.			Per Cubic 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.	6.60 Cum.			Per Cubic Metre	

8	Providing and fixing weap holes of 100mm dia PVC pipe complete including carriage of materials in all lead and lifts.	15.00	Rmt.				Per Running 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.

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

SCHEDULE OF QUANTITY

2

Estimated Cost Rs. :- 499878.00
Earnest Money Rs. :- 10000.00

Time:- One Month.

Name of work: - Special repair to Himachal Hospital of Mental Health & Rehabilitation Boiliujang shimla-5 (SH:- Excavation work, Brickwork, Steel work, flooring work, Aluminium work, Cup board Painting, Distempering work Water supply and Sanitary for the construction of Canteen in Hospital Complex)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Excavation in drains and channels in all depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., and according to the H.P.PWD. specification of 1990 (one thousand nine hundred ninety) volume-1 (one) and sorting out useful and unuseful material and transportation of the unuseful materials for disposing at dumping site (To be arranged by the contractor)including payment of prescribed charges of dumping to be borne by the contractor as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling , dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful materials such as stones, shingles aggregate and slates shall be properly stacked at site and handed over to the department free of cost to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.	1.296 Cum			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	1.296 Cum			Per cubic metre	
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :(i) Cement mortar 1:4 (1 cement : 4 coarse sand)	8.49 Cum.			Per Cubic metre	
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor all level:- Cement mortar 1:4 (1 cement :4 coarse sand)	16.42 Sqm			Per square metre	
5	Structural steel work in single section, fixed with or without connecting plate,including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1200.00 Kg			Per Kilogram	

6	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	39.36	Sqm				Per Square Metre	
7	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :-For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron) complete including carriage of materials in all leads and lifts.	174.49	Kg				Per Kilogram	
8	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron) complete including carriage of materials in all leads and lifts.	29.59	Kg				Per Kilogram	
9	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer -in-charge. (Cost of aluminium snap beading shall be paid in basic item).With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) including carriage of materials within all leads and lifts.	4.08	Sqm.				Per square metre	
10	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment) as per the direction of Engineer-in-Charge including carriage of material in all leads and lifts.	5.05	Kg				Per Kilogram	
11	Providing and fixing 200mm x10mm size aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts.	4.00	No.				Each	

12	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 125mm	8.00	No				Each	
13	Providing and fixing 19mm (Nineteen millimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.	7.02	Sqm				Per Square Metre	
14	Providing and fixing 19mm (Nineteen millimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).	18.48	Sqm				Per Square Metre	
15	Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	7.02	Sqm				Per Square Metre	
16	Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100mm	8.00	No				Each	
17	Providing and fixing 2nd class teak wood liping/moulded beading or taj beading of size 18x5mm fixed with wooden adhesive of approved quality and screws/nails on the edge of the Pre-laminated particle board as per direction of Engineer-in-Charge including carriage of material in all leads and lifts.	12.00	Rmt				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 including carriage of materials and as per the direction of the Engineer-in-Charge.	36.96	Sqm				Per Square Metre	
19	Painting with synthetic enamel paint on wood and Wood based Surfaces of approved brand and manufacture of required colour to give an even shade One or more coats on old work including carriage of materials within all leads and lifts.	36.96	Sqm				Per square meter	
20	Finishing walls with Acrylic Smooth exterior emulsion of required shade :(i) New work (Two or more coat applied @ 1.67 lit/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts	180.68	Sqm				Per square meter	
21	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings,including carriage of materials within all leads and lifts.	2.00	No.				Each	
22	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge	1.00	No.				Each	
23	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia .including carriage of materials within all leads and lifts.	2.00	No				Each	
24	Providing and fixing C.P. grating of approved quality and colour: Circular type .including carriage of materials within all leads and lifts complete:(i) 100 mm dia	3.00	No.				Each	

25	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	No.					Each	
26	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	2.00	No.					Each	
27	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	9.00	No.					Each	
28	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	5.00	No.					Each	
29	Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.	9.00	No.					Each	
30	Providing and fixing 15mm nominal bore to wall ceiling and floors galvanised mild steel tubes (Medium grade), tube fittings and clamps including making good the wall ceiling and floor complete including carriage of materials within all leads and lifts.	38.00	Rmt					Per Running Metre	
31	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	4.00	No					Each	
32	Providing and fixing on wall face PVC Finolex Type-A Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads (i) 110mm	21.00	Rmt					Per Running Metre	
33	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 dia	5.00	No					Each	
34	Providing and fixing PVC Finolex Type A 45 Degree bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia	2.00	No					Each	
35	Providing and fixing Floor Trap type-A ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 110x75mm	3.00	No.					Each	

36	Providing and fixing PVC Finolux Type-A ISI Marked door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia.	2.00	No.			Each	
37	Providing and fixing PVC Finolux collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	6.00	No.			Each	
	Conditions:-						
I	Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	

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

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

SCHEDULE OF QUANTITY

3

Estimated Cost Rs. :- 130221.00

Earnest Money Rs. :- 2610.00

Time:- One Month.

Name of work: -A/R & M/O Old dental Nursing Hostel at IGMC Shimla. (SH: - Outer side Painting and distempering with roof painting etc.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	132.42	Sqm			Per square metre	
2	Providing and applying white cement based putty of average thickness 1.00mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	132.42	Sqm			Per square metre	
3	Finishing walls with Acrylic Smooth exterior paint of required shade Old work (One or more coat applied @ 0.90ltr/10 sqm)complete including carriage of materials within all leads and lifts.	957.38	Sqm			Per square metre	
4	Finishing roof with Acrylic Smooth exterior paint of required shade Old work (One or more coat applied @ 0.90 ltr/10 sqm)complete including carriage of materials within all leads and lifts.	478.80	Sqm			Per square metre	
5	Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedistal 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.	265.90	Sqm			Per square metre	
Conditions:-						Total	

i

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

ii

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

iii

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

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

SCHEDULE OF QUANTITY

4

Estimated Cost Rs. :- 321926.00

Earnest Money Rs. :- 6440.00

Time:- One Month.

Name of work:- S/R to Raj Bhawan Qtrs at Armsdail near Peterhoff Shimla. (SH:- Repair of kichen, P/F door windows , repair of cupboard , P/L floor tiles, wall tiles, painting and distempering etc in Set No 4,5,6.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling wooden boardings in flooring / lining of walls and partitions, excluding supporting members but including stacking complete as per design including carriage of materials within all leads and lifts.	12.74 Sqm			Per square metre	
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) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	13.70 Sqm			Per square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.40 Cum			Per Cubic metre	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: i)1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size)	0.19 Cum			Per Cubic metre	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level including carriage of materials within all leads and lifts:- Mild steel and Medium Tensile steel bars.	17.10 Kg.			Per kilogramme	
6	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	0.084 Cum			Per Cubic metre	
7	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood	0.125 Cum			Per Cubic metre	
8	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	2.19 Sqm			Per square metre.	
9	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.25 Sqm			Per square metre.	

10	Providing 40x5 mm flat iron hold fast 40cm. Long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm. 1:3:6 (1 cement : 3 sand: 6 graded stone aggregate 20mm nominal size). including carriage of materials within all leads and lifts.	10.00	No			Each	
11	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.	18.18	Sqm			Per square metre.	
12	Providing and fixing square edged cover fillets (beading) 40 x 12 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	26.80	Rmtr			Per running 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 lifts	11.80	Sqm			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	31.79	Sqm			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	10.76	Sqm			Per square metre.	
16	Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.	47.35	Rmtr			Per running metre.	
17	Providing and fixing Stainless steel sliding door bolts,. complete : complete including carriage of materials within all leads and lifts. 250x16 mm	1.00	No			Each	
18	Providing and fixing Stainless Steel tower bolts, ISI marked, with necessary screws etc. complete : 250x10 mm.	2.00	No			Each	
	150x10mm	4.00	No			Each	
19	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.	2.00	No			Each	
20	100mm	24.00	No			Each	
21	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.	20.00	No			Each	

22	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 450mm x300mm. x8mm.	24.16	Sqm				Per square metre.	
23	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.	43.43	Sqm				Per square metre.	
24	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.	83.96	Sqm				Per square metre.	
25	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.	83.96	Sqm				Per square metre.	
26	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	83.96	Sqm				Per square metre.	
27	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works. including carriage of materials within all leads and lifts.	18.18	Sqm				Per square metre.	
28	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	18.18	Sqm				Per square metre.	
29	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.	10.76	Sqm				Per square metre.	
30	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	3.52	Sqm				Per square metre.	

31	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.	3.70	Rmtr			Per running metre.	
32	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.	14.20	Sqm			Per square metre.	
33	Finishing wall with weather proof exterior grade emulsion of approved design (Apex ultima) or its equal on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth up to all heights in all floor levels with complete scaffolding works in all leads and lifts including carriage of material and as per the direction of the Engineer-in-Charge.	14.20	Sqm			Per square metre.	
34	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.	45.82	Sqm			Per square metre.	
35	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.	45.82	Sqm			Per square metre	
36	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	114.56	Sqm			Per square metre	
37	Painting wood work with Deluxe Multi Surface Paint to give an even shade. one or more coat of approved brand and manufacture	115.41	Sqm			Per square metre	
38	Providing and fixing 15 mm dia nominal bore G.I. pipes complete with G.I. fittings and clamps, i/c cutting chase and making good the walls etc. External work .	16.85	Rmtr			Per running metre.	
39	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.	1.00	No			Each	
40	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	11.90	Rmtr			Per running metre.	
41	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	2.00	No			Each	
42	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia	2.00	No			Each	
43	Providing and fixing 610mm x510 mm bowl depth 200mm size Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink with drain board complete including carriage of materials within all leads and lifts	1.00	No			Each	

44	Providing and fixing 15mm (fifteen millimetre) nominal bore C.P. angle cock of ESS ESS catalogue No. C-204 or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.	2.00	No			Each	
45	Providing and fixing wall mixture with swivel spout including connection fitting complete in all respect of make Ess-Ess Cat No. C-219A complete including carriage of materials within all leads and lifts.	1.00	No			Each	
46	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	1.00	No			Each	
47	Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts. 15mm nominal bore. 45 cm length	2.00	No			Each	
48	Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	1.00	No			Each	
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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

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

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

Xu

5

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

471653.00
9450.00
One Month

Name of work:-Special repair to DDU hospital building at Shimla (SH:-Repair of settled floor, columns & beams and steel stairs along main block-D of Old building DDU hospital Shimla).

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead including carriage of materials within all leads and lifts.	116.01 Kg			Per Kilogramme	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	1671.18 Kg.			Per Kilogramme	
3	Providing and fixing 5.00mm thick Chequered plates including cutting, welding complete in flooring over steel frame work (frame work to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge.	550.41 Kg			Per Kilogramme	
4	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	189.95 Sqm			Per square meter	
5	Finishing walls with Acrylic Smooth exterior paint of required shade Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface including carriage of materials and as per the direction of the Engineer-in-Charge.	356.04 Sqm			Per square meter	
6	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 manufacture including carriage of materials within all leads and lifts.	1444.25 Sqm			Per square meter	
7	Providing temporary platform by way of scaffolding for the repair of roofs/ roofs projection etc. upto all 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 (Area of platform top shall be measured and paid for separately).	588.00 Sqm			Per square meter	
8	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.	19.57 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

SCHEDULE OF QUANTITY

6

Estimated Cost Rs. :- 83365.00

Earnest Money Rs. :- 1670.00

Time:- One Month.

Name of work: -R/R Damages on Road from Navbahar to Holly Lodge Raod km. 0/00 to 2/670 (SH:- Repair and Refixing of steel Railing at Rd. 0/260 to 0/324)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figuers	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:2:4 or richer mix (i/c equivalent design mix)	3.00	Cum.			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	5.28	Cum			Per Cubic Metre	
3	Dismantling steel Railling grating framed of ladders and Similar works including stacking the dismantled material as per direction of Engineer -in- Charge with welding etc. complete.	1674.80	Kg.			Per kilogramme	
4	Refixing of old steel Railling in position complete as per direction of engineer - In charge.	1674.80	Kg.			Per kilogramme	
Conditions:-						Total	

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

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

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

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

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

300972.00
6050.00
One Month

Name of work:- Special repair to DDU Hospital at Shimla. (SH:-Repair of X-Ray room).

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 including carriage of materials in all leads and lifts.	3.57 Cum			Per cubic meter	
2	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more. including carriage of materials within all leads and lifts.	3.57 Cum			Per cubic meter	
3	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.	26.49 Sqm			Per square meter	
4	Finishing walls with Acrylic Smooth exterior paint of required shade Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface including carriage of materials and as per the direction of the Engineer-in-Charge.	140.62 Sqm			Per square meter	
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - 1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.	2.49 Cum			Per cubic meter.	
6	Providing and fixing 20mm nominal bore brass ball valve (horizontal plunger type) High pressure with polythene plastic floatswith fixing etc. complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
7	Providing and fixing 15mm C.P. brass sink mixer wall mounted of approved quality and make (Cat No. AITIUS-ALSM101) complete in all respect including carriage of materials in all leads and lift as per direction of Engineer in Charge.	1.00 No.			Each	
8	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 15 mm nominal bore including carriage of materials in all leads and lifts.	2.00 No.			Each	
9	Providing and fixing 610x510mm "Sumani brand" bowl depth 225mm size 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 including carriage of materials in all leads and lift as per direction of Engineer in Charge.	1.00 No.			Each	
10	Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm.	1.00 No.			Each	
11	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	2.00 No.			Each	
12	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	
13	Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	1.00 No.			Each	
14	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	7.80 Sqm.			Per square metre.	
15	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	3.00 Sqm.			Per square metre.	
16	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	16.20 Sqm.			Per square metre.	
17	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	

18	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge including carriage of materials within all leads and lifts.125 mm size.	2.00 set			Each Set	
19	Providing and fixing chromium plated brass handles with necessary screws etc. complete 125 mm including carriage of materials within all leads and lifts.	8.00 No.			Each	
20	Providing and fixing lead glass size 14"x14" in x-ray room complete in all respect including carriage of materials within all leads and lifts.	1.00 No.			Each	
21	Providing and fixing Pass box size 22"x22" in x-ray room complete in all respect including carriage of materials within all leads and lifts.	1.00 No.			Each	
22	Providing and fixing Lead sheet 2mm thick in x-ray room complete with wooden frame as per direction of Engineer-in-Charge in all respect including carriage of materials within all leads and lifts.	60.00 Kg			Per kilogramme	
23	Providing and fixing anodised aluminium work duly power coated of required shade for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. (i) for doors windows and ventilators and glazed partitions frames including carriage of materials within all leads and lifts.	60.00 Kg.			Per Kilogramme.	
24	Providing and fixing prelaminated board bwp phenol bounded exterior grade both sides 12mm thick including carriage of materials within all leads and lifts.	8.58 Sqm.			Per square metre.	
25	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5.0 mm thick glass panes including carriage of materials within all leads and lifts.	7.80 Sqm			Per square meter	
26	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including carriage of materials within all leads and lifts.	6.30 Sqm			Per square meter	
CONDITION:-					Total:-	

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

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

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

8

SCHEDULE OF QUANTITY

Estimated cost:-

329214.00

Earnest Money:-

6600.00

Time :-

One Month

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

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	244.26 Kg.			Per Kiligramme	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	243.39 Kg.			Per Kiligramme	
3	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering and of binding materials moorum or earth etc. complete as per HP.PWD specification.	1.95 Cum			Per Cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in-charge In Foundation and plinth.	17.42 Cum			Per cubic metre.	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 25 mm nominal size) including carriage of materials within all leads and lifts.	32.50 Cum			Per Cubic meter	
6	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stones of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level in including carriage of materials in all leads and lifts.	6.60 Cum			Per cubic metre.	
7	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	20.69 Sqm			Per square meter	
CONDITION:-					Total:-	

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


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

SCHEDULE OF QUANTITY

9

Estimated Cost Rs. :- 151830.00

Earnest Money Rs. :- 3040.00

Time:- One Month.

Name of work: -Special repair to PSA Plant at Kamla Nehru Hospital Shimla (SH:- Providing and Fixing Thermocol work, Ply work etc. in PSA Plant)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts.(i) :- Sal wood	0.75	Cum.			Per Cubic Metre	
2	Providing and Fixing Plain Thermocol Sheet of Thickness 40mm in Wodden frame of Any Size complete as per direction of Engineer - In Charge. Including carriage of material with in all leads and lifts.	86.00	Sqm			Per Square	
3	Providing and fixing 9mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials in all leads and lifts.	86.00	Sqm			Per Square	
4	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.(i)With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	86.00	Sqm.			Per Square Metre	
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade complete including carriage of materials within all leads and lifts.:- Two or more coats on new wood work.	86.00	Sqm.			Per Square Metre	
Conditions:-						Total	

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

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

SCHEDULE OF QUANTITY

Estimated cost:-

189975.00

Earnest Money:-

3800.00

Time :-

One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, tiles, flooring, painting including sanitary fittings in set No. 1/4 Royal Hotel) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.	0.34 Cum			Per cubic meter	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.	21.69 Sqm.			Per square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge In Foundation and plinth	0.34 Cum			Per cubic metre.	
4	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	6.75 Sqm			Per square meter	
5	Providing and fixing 19mm thick Commercial board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts.	6.10 Sqm.			Per square metre.	
6	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.	19.22 Sqm.			Per square metre.	
7	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.	10.32 Sqm.			Per square metre.	
8	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	23.63 Rmt.			Per running metre.	
9	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 100mm including carriage of materials within all leads and lifts.	12.00 No.			Each	
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.	12.00 No.			Each	
11	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.	47.45 Sqm			Per square meter	
12	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	47.45 Sqm			Per square meter	
13	Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.	44.28 Sqm			Per square meter	
14	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	44.28 Sqm.			Per square metre	
15	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. including carriage of materials within all leads and lifts.	16.78 Sqm			Per square meter	
16	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 600x600 mm including carriage of materials within all leads and lifts.	3.41 Sqm			Per square meter	

	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts.	1.00 No			Each	
18	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.	1.00 No.			Each	
19	Providing and fixing 110mmX90mm size 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.	2.00 No			Each	
20	Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.	2.00 No			Each	
21	Providing & Supplying CP brass basin mixer complete 15mm dia including carriage of materials in all leads and lifts.	1.00 No.			Each	
22	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	
23	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.	1.00 No.			Each	
24	Providing and fixing 600mm x 20mm size C.P. Towel rail complete with C.P. brackets fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts.	1.00 No.			Each	
25	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts.	1.00 No.			Each	
26	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :-15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.			Each	
27	Providing and fixing C.P. brass Angle cock with CP flange of approved quality conforming to IS:8931 :-15 mm nominal bore including carriage of materials within all leads and lifts.	5.00 No.			Each	
28	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.	7.10 No.			Each	
29	Providing & fixing PVC Finolex Coller 110mm size of specified quality including carriage of materials in all leads and lifts.	2.00 No.			Each	
30	Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size.	1.00 No			Each	
31	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 within all leads and lifts.	19.00 Rmt.			Per running meter	
32	Providing and fixing 15 mm nominal bore G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts.	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) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

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

7

SCHEDULE OF QUANTITY

14

Estimated Cost Rs. :- 330078.00

Earnest Money Rs. :- 6610.00

Time:- One Month.

Name of work: -Special repair to Sister Nivedita Govt. Nursing College at IGMC. Shimla(SH:- Providing and Laying interlocked tile 60mm thick surrounding Badminton Court)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and laying 60mm thick factory made(NTC Make) cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	178.66	Sqm			per square meter	
2	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.	23.23	Cum			Per Cubic Metre	
	Conditions:-					Total	

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

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

12

SCHEDULE OF QUANTITY

Estimated cost:-
Earnest Money:-
Time :-

393694.00
7900.00
One Month

Name of work:-A/R & M/O Various Non residential buildings under Shimla Division No. III (SH:-Construction of temporary store on back side of Division/ Circle office) at Winter field Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.	2111.09 Kg.			Per Kiligramme	
2	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	74.04 Sqm			Per square meter	
3	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete. Flashings/ Aprons (Upto 600 mm) Tata Durashine including carriage of materials within all leads and lifts.	18.05 Rmt.			Per running metre	
4	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.	10.32 Cum			Per Cubic meter	
5	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering and of binding materials moorum or earth etc. complete as per HP.PWD specification.	5.90 Cum			Per Cubic metre	
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :-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.	4.42 Cum			Per Cubic meter	
7	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more. including carriage of materials within all leads and lifts.	10.50 Cum			Per cubic meter	
8	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.	1000.00 Ltrs.			Per Litre	
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:-
Earnest Money:-
Time :-

394755.00
7900.00
One Month

Name of work:-Special repair to Patwari Office at Phagli Shimla (SH:-Providing & fixing roofing, stairs and painting etc)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge including carriage of materials within all leads and lifts.	0.704 Cum			Per Cubic meter	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m All kinds of soil including carriage of materials within all leads and lifts.	2.16 Cum			Per Cubic meter	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size including carriage of materials in all leads and lifts.	2.16 Cum			Per Cubic meter	
4	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes including carriage of materials within all leads and lifts.	295.97 Kg.			Per Kilogramme	
5	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials within all leads and lifts.	112.60 Sqm			Per square meter	
6	Providing and fixing M.S. BP Sheet 2.00mm thick in eaves board/ facia/ soffits/ ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured and paid separately) including carriage of materials within all leads and lifts.	27.17 Sqm			Per square meter	
7	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.	1351.20 Kgs.			Per Kilogramme	
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 including carriage of materials within all leads and lifts.	27.17 Sqm			Per square meter	
9	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete Ridges plain (500-600mm) including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	11.00 Rmt.			Per Running meter	
CONDITION:-					Total:-	

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

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

14

SCHEDULE OF QUANTITY

Estimated cost:- 239623.00
Earnest Money:- 4800.00
Time :- One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:-Covering of front side Courtyard at Marlin Park block No. 1) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit	Amount
			In Figures.	In Words		
1	Providing and fixing polycarbonatd transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	64.26 Sqm			Per square meter	
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.	150.06 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.	8.00 No			Each	
4	Providing and fixing 150x10 mm ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc complete including carriage of materials within all leads and lifts.	4.00 No.			Each	
5	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m ² as per the direction of Engineer in Charges including carriage of materials within all leads and lifts.	9.84 Sqm			Per square meter	
6	Painting steel work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture including carriage of materials within all leads and lifts.	294.74 Sqm.			Per square meter	
CONDITION:-					Total:-	

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


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

SCHEDULE OF QUANTITY

15

Estimated Cost Rs. :- 365231.00

Earnest Money Rs. :- 7310.00

Time:- One Month.

Name of work: -Special repair to Residential building under Shimla Division No.III(SH:- Renovation of Rooms , Kitchen and Toilets of Set No. 1 Ground Floor Block No.9 at Barnes Court Shimla-2)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3.18	Cum			Per cubic meter	
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar	1.29	Cum			Per cubic meter	
3	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) From brick work in cement mortar including carriage of materials within all leads and lifts.	247.00	Per 1000			Per 1000 No.	
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :(i) Of area 3 sq. metres and below	3.00	No			Each	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : including carriage of materials within all leads and lifts.(i) Of area 3 sq. metres and below	1.00	No			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	73.82	Sqm			Per Square Metre	
7	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)	0.40	Cum			Per cubic meter	
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	0.26	Cum			Per cubic meter	
9	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)	1.78	Cum			Per cubic meter	
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of material in all leads and lifts :- (i) Cement mortar 1:6 (1 cement : 6 coarse sand)	0.64	Cum			Per cubic meter	

11	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.(i) Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble (a) Area of slab upto 0.50 sqm	3.62	Sqm			Per Square Metre	
12	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.(i) Marble Work	3.63	Rmt.			Per Running Metre	
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).(i) Second class Deodar wood	0.209	Cum			Per cubic meter	
14	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 35mm Thick Shutters	8.56	Sqm.			Per Square Metre	
15	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	36.00	No			Each	
16	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :(i) 250x16 mm	6.00	No			Each	
17	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :(i) 150x10mm	14.00	No			Each	
18	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete (i)125mm	14.00	No			Each	
19	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts.	2.65	Sqm.			Per square metre	
20	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mmx8mm	44.53	Sqm.			Per square metre	
21	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.	5.51	Sqm.			Per square metre	

22	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	54.25	Sqm.			Per square metre	
23	15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)	79.39	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.	67.00	Sqm.			Per square metre	
25	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	88.25	Sqm.			Per square metre	
26	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	21.72	Sqm.			Per square metre	
27	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	21.72	Sqm.			Per square metre	
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in Wall surfaces (i) Two or more coats on new work	21.23	Sqm.			Per square metre	
29	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in Wall surfaces (i) One or more coats on Old work	99.65	Sqm.			Per square metre	
30	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No.			Each	
31	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :(i) Flat back wash basin of size 550x400 mm	1.00	No.			Each	
32	Providing and fixing 8 mm Dia charomium plated Ess Ess Jet with Flexible tube 1.00 Metre long with Ess Ess Traingular Plate to European Type WC Pan including carriage of materials within all leads and lifts.	1.00	No.			Each	
33	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete (i) White solid plastic seat with lid	1.00	No.			Each	
34	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	2.00	No.			Each	
35	Providing and fixing C.P. grating of approved quality and colour.Circular type (i) 100 mm nominal dia	4.00	No.			Each	
36	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	No.			Each	

37	Providing and fixing chromomium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
38	Providing and fixing 600mm X 20mm size C.P. brass towel rail (heavy duty) ESS Ess Make (AC-701) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
39	Providing and fixing C.P. brass towel Ring (heavy duty) ESS Ess Make (AC-702) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.	2.00	No.			Each	
39	Providing and fixing Acrylic corner shelf (One Set 3 Pice) including carriage of Materilas with in all leads and lifts.	1.00	Set			Per set	
40	Providing and fixing Health faucet fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232.Y	1.00	No.			Each	
41	Providing and fixing 15 mm dia CP Brass Sink Mixure wall mounted of approved quality and make (Cat No. T-127) including complete in all respect.	1.00	No.			Each	
42	Providing and fixing uplasticised PVC connection steel wired Coated pipe with brass unions :(i) 45 cm length (a)15 mm nominal bore	2.00	No.			Each	
43	Providing and fixing uplasticised PVC connection pipe with brass unions :(i) 45 cm length (a)15 mm nominal bore	5.00	No.			Each	
44	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 (i) 15 mm dia nominal bore	24.60	Rmt.			Per Running Metre	
45	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work (i) 15 mm dia nominal bore	18.30	Rmt.			Per Running Metre	
46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	3.00	No.			Each	
47	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) 15 mm Nominal Bore	3.00	No.			Each	
48	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15 mm Nominal Bore	8.00	No.			Each	
49	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	11.00	No.			Each	
50	Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.	11.00	No.			Each	
51	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-100mm x 100mm	4.00	No.			Each	
52	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads 100 mm diameter	3.05	Rmt.			Per Running Metre	
53	Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads 75 mm diameter	12.45	Rmt.			Per Running Metre	


54	Providing and fixing PVC single equal branch (Plain Tee) Type-B including fixing with approved adhesive etc. complete.75 mm diameter	4.00	No.			Each	
55	Providing and fixing PVC Finolex type-B plain bend including fixing with approved adhesive etc. complete.100 mm diameter	2.00	No.			Each	
56	Providing and fixing PVC Finolex Type-B plain bend including fixing with approved adhesive etc. complete.75 mm diameter	6.00	No.			Each	
57	Providing and fixing PVC Collar (Finolex) Type-B including fixing with approved adhesive etc. complete.(i) 100 mm Diametre	4.00	No.			Each	
58	Providing and fixing PVC Collar (Finolex) Type-B including fixing with approved adhesive etc. complete.(i) 75 mm Diametre	20.00	No.			Each	
59	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:Inside dimensions 455x610 mm and 45 cm deep for single pipe line :(i) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	No.			Each	
60	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 lalleasts, 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.	5.43	Cum			Per cubic meter	
Conditions:-						Total	

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

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

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

Recovery of usefull bricks 247.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each. , Fuel wood 1.80 Quintel will be Charged / deducted from Contractor @ 500.00 Per Quintel


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

SCHEDULE OF QUANTITY

16

Estimated Cost Rs. :- 362760.00

Earnest Money Rs. :- 7260.00

Time:- One Month.

Name of work: - A/R & M/O Armasdale Building at HP. Sectt. Shimla-2(SH:-Providing and fixing M.S. channel inside lift well of phase-III and brackets for PTC fencing etc.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:- In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials in all leads and lifts.	2626.92 Kg			Per Kilogramme	0.00
2	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto all height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc.complete within all leads and lifts including carriage of materials and as per the direction of the Engineer-in-Charge	234.36 Sqm			Per square metre.	
3	Providing and fixing green joot jali covering completed including carriage of materials in all leads and lifts and as per the direction of the Engineer-in-Charge	172.25 Sqm			Per square metre.	
Conditions:-					Total	

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

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

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

SCHEDULE OF QUANTITY

17

Estimated Cost F 389720.00

Earnest Money F 7800.00

Time:- one month.

Name of work:- A/R and M/O High Court building at Shimla. (SH:-Providing and Laying Cement Concerete, Painting and Distempering in court no 2 and other miscellenous repair work in high Court Premises)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figuers	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 1:1½:3 (1 Cement: 1½ coarse sand) : 3 graded stone aggregate 20 mm nominal size)	3.34 Cum			Per Cubic metre	
2	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.	657.35 Sqm			Per square metre	
3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.	197.20 Sqm			Per square metre	
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.	197.20 Sqm			Per square metre	
5	Providing and fixing bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	169.12 Sqfeet			Each	
6	Polishing one or more coats with PU polish of required shade on previous polished 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 including carriage of materials in all leads and lifts.	18.00 Sqm.			Per square metre.	
	Providing and fixing high pressure PVC (Finolex) type-B spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110 mm dia.	57.00 Rmtr			Per running metre	
7	Providing and fixing C.P. brass angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112.	5.00 No.			Each	
8	Providing and fixing Hindware made Element starwhite cat no. 92084 water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:	1.00 No			Each	
9	Dismantling doors, windows and clerestory window shutters in aluminium work including stacking within 50 metres lead : including carriage of materials within all leads and lifts.	16.00 No			Each	

	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :250x16 mm	8.00	No.			Each	
11	Providing and fixing aluminium 150x10 mm size tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts.	22.00	No.			Each	
12	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- (i) 125mm size.	24.00	No.			Each.	
13	Providing and fixing bright finished brass hard drawn hooks and eyes. complete including carriage of materials within all leads and lifts	54.00	No			Each	
14	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete	42.00	No.			Each	
15	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion:- (i) Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15) complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	20.40	Kg			Per Kilogramme	
16	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.	71.87	Kg			Per Kilogramme	
17	Providing and fixing ACP sheet 4mm thick panel in aluminium door, window, ventilator shutters and partition Ceiling etc with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-In-charge (cost of aluminium snap beading shall be paid in basic item.) partitions with 12mm thick Particle board bwp phenol bonded exterior/ interior grade both sides including carriage of materials within all leads and lifts.	2.33	Sqm			Per square metre	

	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete including carriage of materials within all leads and lifts:- Twin rubber stopper.	8.00	No.				Each	
19	Providing and fixing 250mm X 16mm size C.P Brass sliding door bolt with screws and nuts etc complete including carriage of materials within all leads and lifts.	4.00	No.				Each	
20	Providing and fixing bright finished brass handles complete including carriage of materials within all leads and lifts.2 mm	4.00	No.				Each	
21	Providing and fixing bright finished brass tower bolt complete including carriage of materials within all leads and lifts.200 mm.	4.00	No.				Each	
22	Providing and fixing bright finished hydraulic door closer of superior class (confirming to bureau of Indian Standards) Godrej make with screws etc. complete including carriage of materials in all leads and lifts.	1.00	No.				Each	
23	Providing & fixing looking glass with frames all complete with 4.0 mm thick glass complete including carriage of materials within all leads and lifts.	42.60	Sqm.				Per square metre.	
24	Providing and fixing Pura Lite health faucet with pipe & hook including carriage of materials within all leads and lifts:-Cat No. C-232Y	1.00	No				Each	
25	Providing and fixing Ess-ESS SQSD101 Soap holder . complete including carriage of materials within all leads and lifts.	1.00	No.				Each	
							Total	
	<i>Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>							
	<i>Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.</i>							

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

SCHEDULE OF QUANTITY

18

Estimated Cost Rs. :- 499155.00

Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: -Special repair to Sister Nivedita Govt. Nursing College at IGMC. Shimla(SH:- Providing and Laying Cement Concrete 1:4:8, 1:2:4 20mm and Chequered tiles in Badminton Court)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.(i) Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	31.26	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.(i) All kind of soil	33.86	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) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	41.67	Cum			Per Cubic Metre	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	21.40	Cum			Per Cubic Metre	
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.	37.94	Kg			Per kilogramme	
6	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Medium/ Dark shade pigment using ordinary cement complete within carriage of material in all leads and lifts.	81.80	Sqm			Per Square Metre	

7	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	31.26	Cum			Per Cubic Metre	
Conditions:-						Total	

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


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

SCHEDULE OF QUANTITY

Estimated cost:- 181649.00
Earnest Money:- 3650.00
Time :- One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Providing & fixing flooring in Set No. H-III/87, E-II, F-II/68, 20/4, MF, 20/7MF etc) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.	204.10 Sqm			Per Square Metre	
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

207

Estimated Cost Rs 311654.00
Earnest Money Rs 6230.00
Time:- one month.

Name of work:- S/R to H.P State Museum at Chaura Maidan Shimla. (SH:- Providing Frame structure and welded mesh to kitchen near Curzon house building)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	surface dressing of the ground including vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m	101.50			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.	0.216			Per cubic metre.	
3	Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 20mm nominal size) mechanical mixed and curing complete excluding the cost of centering and shuttering in foundation and plinths required complete inc complete including carriage of all labour equipments and materials to various locations through all modes of transportation within all leads lifts and other incidental charges.	0.22			Per cubic metre.	
4	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses/ Framed work etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete	1344.80			Per Kilogramme	
5	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts.: In Foundation and plinth	1.20			Per cubic metre.	
6	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	211.61			Per square metre.	
7	Providing and fixing M.S. welded mesh 25mm X 25mm X 2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per H.P.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.	185.12			Per square metre	

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 373883.00
Earnest Money Rs. :- 7480.00

Time:- One Month.

Name of work: - Special repair to Residential building under Shimla Division No.III (SH:- Dismantling tile work , CC. Flooring , Wood work , Painting and Distemping & Sanitary works in Servant Quarter at Sylvan Hall Near Long wood Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	5.05 Cum.			Per Cubic Metre	
2	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead :(i) Up to 10 mm thick	35.36 Sqm.			Per square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	4.37 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 :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	2.13 Cum.			Per Cubic Metre	
5	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.(i) Granite of any colour and shade	2.70 Sqm.			Per square metre	
6	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.(i) Granite work/ Marble work	4.50 Rmt.			Per Running Metre	
7	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	140.04 Sqm			Per Square Metre	
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :(i) cement mortar 1:4 (1 cement : 4 coarse sand)	5.80 Sqm			Per Square Metre	
9	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge (i) Second class Deodar wood.(i) 40mm thick	6.70 Sqm			Per Square Metre	

10	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters	6.70	Sqm			Per Square Metre	
11	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : (i) Rai wood/Kail wood/Chil Wood	0.362	Cum.			Per Cubic Metre	
12	Providing and fixing 9mm thick ply of standard quality ISI mark in Ceiling panelling & wall lining i/c milting at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	35.56	Sqm			Per Square Metre	
13	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (i) 250x16mm	8.00	Nos			Each	
14	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 200x10mm	16.00	Nos			Each	
15	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (i) 125mm	24.00	Nos			Each	
16	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.	27.72	Sqm			Per Square Metre	
17	Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (i) Size of tile 600x600xmm	6.49	Sqm			Per Square Metre	
18	20 mm cement plaster of mix : (i) 1:6 (1 cement: 6 coarse sand) including carriage of Material with in all leads and lifts.	204.42	Sqm			Per Square Metre	
19	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. (i) 40 mm thick with 20 mm nominal size stone aggregate	49.12	Sqm			Per Square Metre	
20	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. (i) 40 mm wide and 4 mm thick	59.80	Rmt.			Per Running Metre	
21	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	50.03	Sqm			Per Square Metre	

22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :(i) One or more coats on old work	50.03 Sqm				Per Square Metre	
23	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work (One or more coat applied @ 0.90 ltr/10 sqm).	73.70 Sqm				Per Square Metre	
24	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.	50.03 Sqm				Per Square Metre	
25	Providing and Fixing Murga Jaali (Chicken mesh) of wire mesh on wall before plastering with nails etc. complete as per the direction of Engineer -in Charge.	140.00 Sqm				Per Square Metre	
26	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :(i) W.C. pan with ISI marked white solid plastic seat and lid	2.00 Nos				Each	
27	Providing and fixing 8 mm Dia charonium plated Jet with Flexible tube i.00 Metre long with SS Traingular Plate to European Type WC Pan including carriage of materials within all leads and lifts.	2.00 Nos				Each	
28	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :(i) Flat back wash basin of size 630x450 mm	2.00 Nos				Each	
29	Providing and fixing charonium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts.	2.00 Nos				Each	
30	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00 Nos				Each	
31	Providing and fixing C.P. grating of approved quality and colour :(i) round (i) 100 mm Nominal Dia	4.00 Nos				Each	
32	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	2.00 Nos				Each	
33	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 (i) 15 mm Nominal bore	4.00 Nos				Each	
34	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (i) 15 mm Nominal bore	2.00 Nos				Each	
35	Providing and fixing uplasticised PVC connection pipe with brass unions :(i) 30 CM.Length (a) 15 mm nominal bore	3.00 Nos				Each	
36	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :15 mm nominal bore	1.00 Nos				Each	

37	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : (i) 15 mm dia nominal bore	12.50	Rmt.			Per running Metre	
38	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore	4.00	Nos			Each	
39	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes, (a) 110 mm diameter	11.90	Rmt.			Per running Metre	
40	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) 110 mm Plain bend	6.00	Nos			Each	
41	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) 110 mm Door bend	3.00	Nos			Each	
42	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) 110 mm Single Equal Branch	1.00	Nos			Each	
43	Providing and fixing on wall face Finolex unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) 110 mm Collar	4.00	Nos			Each	
44	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm x 90mm	2.00	Nos			Each	
45	Disposal of moorum/ building rubbish/ malba. Similar unserviceable, dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Municipal dumping ground for lead upto 10km. For lalleafis, 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.	5.05	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.

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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 160106.00
Earnest Money Rs. :- 3210.00

Time:- One Month.

Name of work: -A/R & M/O Various Residential building Under Shimla Division No.III(SH:- Approach Path to Transit Accommodation Set NO.1 to 16 Rest House Shimla-2)

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 materials within all leads & lifts as per direction of Engineer-in-charge.	0.59 Cum			Per Cubic Metre	
2	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	195.84 Kg.			Per Kilogramme	
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (i) All kinds of soil	0.49 cum.			Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.01 cum.			Per Cubic Metre	
5	Providing and fixing 6mm chequered steel plates including cutting welding complete in flooring over steel frame work to be paid separately). including carriage of materials in all leads and lifts. As per direction of Engineer-in charge.	274.48 Kg			Per Kilogramme	
6	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:- In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	917.72 Kg.			Per Kilogramme	
7	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).	13.07 Sqm.			Per Square Metre	

8	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	32.28	No				Each	
	Conditions:-						Total	

Rates should be quoted for all heights including all heads 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 of all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

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

SCHEDULE OF QUANTITY

229

Estimated cost:- 301745.00
Earnest Money:- 6050.00
Time :- One Month

Name of work:- Special repair to Various residential buildings under Shimla Division No. III (SH:- Providing & fixing Cupboards in block No. K-II/108, 109, 114, 111, 112 & block-V-II/2 etc) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts	35.38 Sqm.			Per square metre.	
2	Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts	93.96 Sqm.			Per square metre.	
3	Providing and fixing 1.00mm thick coloured or plain lamination sheet (summica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	48.69 Sqm.			Per square metre.	
4	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	450.00 Rmt.			Per running metre.	
5	Providing and fixing 125 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	100.00 No.			Each	
6	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.	63.00 No.			Each	
7	Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	35.38 Sqm			Per square meter	
8	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.	128.01 Sqm.			Per square meter	
9	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	128.01 Sqm			Per square meter	
10	Providing and fixing stainless steel drawer channel for key board arrangement in table with screws etc. complete as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	2.00 Set			Per Set	
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-171063

SCHEDULE OF QUANTITY

24

Estimated Cost Rs. :- 306785.00
Earnest Money Rs. :- 6140.00
Time:- One Month.

Name of work: -A/R & M/O to Various Residential Building under Shimla Division No.III (SH:- Repair of Sewer line & Sanitary work in Craig Garden. No.4,3,5 & Lokayukata office at Barnes court Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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.	29.99 Cum			Per Cubic Metre	
2	Providing and fixing 150 mm dia pipes 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	125.60 Rmt.			Per Running Metre	
3	Providing and fixing 150 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete,including carriage of materials within all leads and lifts.(i) 150mm Nominal Dia	10.00 No.			Each	
4	Constructing manhole with R.C.C top slab in 1:2:4 mix in 1 cement 2 sand 4 graded stone aggregate 20mm nominal size) foundation concrete 1:4:8 (1cement 4 sand 8 graded stone aggregate 40mm nominal size inside plastering 15mm thick with cement mortar 1:3 (1cement 3 sand) finished with a floating coat of neat cement and making channels in concrete 1:2:4 mix (1cement 2 sand 4 graded stone aggregate 20mm nominal size) finished smooth complete including curing and testing:- Inside size 800mm x 800mm and 500 mm deep including 600mm dia precast R.C.C. covers of MTC make or equivalent manhole cover with frame (medium duty) with 200mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement : 3 sand) including carriage of materials within all leads and lifts.	12.00 No.			Each	
5	Providing and fixing vitreous China Hindware Make Single piece Cat No.92504 wash down, water closet (European type. W.C. pan) one piece with integral 'P' or 'S' trap including cistern seat and cover jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 sand) including carriage of materials within all leads and lifts:-Complete set.	2.00 No.			Each	
6	Providing and fixing single hole wash basin with C.I. brackets, 15 mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:(i) White Vitreous China Wash basin size 630x450 mm with	1.00 No.			Each	
7	Providing and Fixing Full Way valve with Wheel (Heavy Duty) 20 mm nominal bore of approved brand including carriage of materials within all leads and lifts.	2.00 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.(i) (i) 15 mm Nominal Bore	10.00 No			Each	

9	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 purllins, 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.	6.50	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.

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

SCHEDULE OF QUANTITY

25

Estimated Cost Rs 123913.00
Earnest Money Rs. 2480.00
Time:- one month.

Name of work:- Restoration of rain damages road from Annadale road Km 0/00 to 4/160 .(SH:- C/O Random Rubble masonry Retaining wall at Km RD 3/270 to RD 3/277.)

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 30cm in depth, 1.50m in width as well as 10sqm on plan) including getting out and disposal of excavated earth complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	11.43 Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil.	7.10 Cum.			Per cubic metre.	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing 1:5:10 (1 cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	6.07 Cum			Per cubic metre	
4	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 20mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	16.74 Cum			Per cubic metre	
5	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.	9.80 Cum			Per Cubic metre	
6	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.	7.35 Cum			Per cubic metre	


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.

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.

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

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

	4.50 Rmt.				Per Running metre	
	14.82 Cum				Per cubic metre	
					Total	

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


SCHEDULE OF QUANTITY

					Estimated cost:-	132000.00	
					Earnest Money:-	2640.00	
					Time :-	One Month.	
Name of work:- - A/R and M/O VRB'S & NRB'S under Division No III Shimla. (SH-Shifting of Testing apparatus and Machinery from lab at basement of camp office building at U.S. Club to newly constructed lab at Nirman bhawan Shimla)							
Sl. NO.	Sub-Head/Item of work.	Qty.	In Figures.	Rate In Words	Unit.	Amount.	
1	2	3	4	5	6		
1	Shifting of Avery Weight Balance machine with capacity of 5000 Kg dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
2	Shifting of Loading truss comprising with steel sections of sizes varying from 100 mm to 150mm after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
3	Shifting of California Bearing Ratio i.e. (CBR apparatus) after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
4	Shifting of Compression Testing machine i.e. (CTM apparatus) after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
5	Shifting of Automatic Sieve shaker after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
6	Shifting of Specific gravity balance complete with digital top pan balance cap 6Kg with bottom water bath and basket after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
7	Shifting of lab mixer after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
8	Shifting of Marshal apparatus aprox weight 150kg or above after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		
9	Shifting of Los Angeles abrasion testing machine aprox weight 350 kg or more after dismembering it and reassembling it after carrying it to the desired location through head load as well as the mechanical load in all leads and lifts.	1.00	No		each		

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

SCHEDULE OF QUANTITY

(27)

Name of work:- A/R and M/O various residential buildings under division no III Shimla (SH:-Repair of work of ceiling, Flooring, Cupboards in block no.1 of block no.1 & sanitary fittings in set no 30,31,at U.S Club Shimla.)

Sl. NO.	Sub-Head/Item of work.	Qty.		Rate		Unit.	Amount.
		3	4	In Figures.	In Words		
1	Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class deodar wood.	0.185	Cum			Per cubic metre	
2	Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, but jointing and nails complete (Frame work for base to be measured & paid for separately) 9 mm thick including carriage of materials within all leads and lifts.	11.66	Sqm			Per square metre.	
2.01	6mm thick	44.09	Sqm			Per square metre.	
3	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.	69.70	Rmt			Per running metre	
4	1.5 mm thick pvc/rubber tiles flooring plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.	55.75	Sqm.			Per square metre.	
5	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	18.53	Sqm.			Per Square metre	
6	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	13.93	Sqm.			Per Square metre	
8	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (summica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	13.93	Sqm.			Per Square metre	
9	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.	35.00	No			Each	

Estimated cost:- 260474.00

Earnest Money:- 5210.00

Time :- One Month.

	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125mm.	24.00	No			Each	
11	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.	106.69	Sqm.			Per square metre.	
12	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) including carriage of materials within all leads and lifts.	106.69	Sqm.			Per Square metre	
13	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.	106.69	Sqm.			Per Square metre	
14	Providing and fixing hard wood square edges cover filets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.	85.00	Rmt.			Per running metre.	
15	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows Including black enamelled iron butt hinges with necessary screws etc. complete including carriage of materials within all leads and lifts in 2nd class deodar wood.	3.91	Sqm			Per square metre.	
16	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows Including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	1.46	Sqm			Per square metre.	
17	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank including carriage of materials within all leads and lifts.	2000.00	litre			Per litre	
18	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. External 15 mm dia nominal bore	66.00	Rmt			Per Running metre.	
19	Providing and fixing Single lever wall mixer with telephonic shower arrangement only of approved quality 15mm nominal dia.complete including carriage of material in all leads and lifts	1.00	No			Per Square metre	

Providing and fixing 3 in 1 angular corner acrylic glass shelf with C.P. brass bracket and guard rail complete, fixed to wooden/rawl plugs with C.P. brass screws etc. complete including carriage of materials within all leads and lifts.

2.00

No.

Each

CONDITION

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

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

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

SCHEDULE OF QUANTITY

28

Estimated Cost Rs. :- 139716.00
Earnest Money Rs. :- 2800.00
Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Repair of Brockleen Qtr. set No.5 type-III(IInd Floor) at Majitha House Chottha Shimla.)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.42 Cum			Per cubic metre.	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	31.12 Sqm.			Per square metre.	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	0.30 Cum.			Per cubic metre.	
4	Providing and laying ceramic floor tiles in flooring/ treads of steps of approved thickness, shade and size laid on a bed of 20 mm thick cement mortar 1:4 (1cement:4 sand) finished with flush pointing in white cement including carriage of materials within all leads and lifts.	6.48 Sqm.			Per square metre	
5	Providing and laying vitrified tiles of 600mm X 300mm sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, 1 colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), joining with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete including carriage of materials within all leads and lifts.	31.12 Sqm.			Per Square metre	
6	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.	31.12 Sqm.			Per square metre	
7	Providing and fixing vitreous China wash down water closet (European type W.C. pan) with intergal P or S trap along with seat cover including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) including carriage of materials within all leads and lifts :- Complete set of Hindware OPS ELBA Cat No 92540(S 30)	1.00 No			Each	
8	Providing and fixing 630mm X 450mm Flat back vitreous China Hind ware wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting complete:- Hindware cat No. 10103 complete (star white) including carriage of materials within all leads and lifts.	1.00 No			Each	
9	Providing and fixing wall mixture non telephonic shower arrangement including carriage of materials within all leads and lifts:- Ess Ess Cat No T-121.	1.00 No.			Each	
10	Providing and fixing Health faucet hook and pipe fitting complete including carriage of materials within all leads and lifts :- ESS ESS C-232V.	1.00 No			Each	
11	Providing and fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.	2.00 No.			Each	
12	Providing and fixing 100mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.	4.00 No.			Each	
13	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden deals with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
14	Providing and fixing 15mm dia single lever basin mixer with out popup waste with 450mm long braided hoses including connection fitting in all respect complete including carriage of materials within all leads and lifts:- Ess Ess Cat No. T-118.	1.00 No.			Each	

15	Providing and fixing 15mm dia single lever sink mixer with out popup waste with 450mm long braided hoses including connection fitting in all respect complete including carriage of materials within all leads and lifts:- Ess Cat No. T-127.	1.00 No.			Each	
16	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
17	Providing and fixing C.P. brass lumbar holder of with C.P. brass screws and plugs etc complete including carriage of materials within all leads and lifts :- ESS ESS Cat No. AC-104	1.00 No.			Each	
18	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work complete including carriage of materials within all leads and lifts:- 15 mm dia nominal bore.	12.20 Rmt			Per Running metre.	
19	Providing and fixing 60/ 45cms length 15mm nominal bore, PVC connection pipe with washers and union etc. complete including carriage of materials within all leads and lifts.	2.00 No.			Each	
20	Providing and fixing a 3piece set of Acrylic corner shelf with C.P. guard rail complete, fixed with wooden/rawl plugs with C.P. brass screws etc. complete including carriage of materials within all leads and lifts.	1.00 No.			Each	
21	Providing and fixing towel ring with fitting complete including carriage of materials within all leads and lifts :- ESS ESS AC-102	1.00 No			Each	
22	Providing and fixing 600mm X 20mm C.P. brass towel rail complete with C.P. brass brackets fixed to wooden/rawl plugs with C.P. brass screws fitting complete including carriage of materials within all leads and lifts:- ESS ESS AC-101.	1.00 No			Each	
23	Providing and fixing 15mm dia C.P. brass long nose bib cock with capstan head including carriage of materials within all leads and lifts. Ess Ess trend T-103D.	1.00 No.	-		Each	
24	Providing and fixing C.P. brass angle cock 15mm nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112.	6.00 No.			Each	
25	Providing and fixing C.P. Brass extension nipple of 15mm nominal dia and required size of approved make and quality conforming to IS standards complete including carriage of materials within all leads and lifts.	7.00 No.			Each	
26	Providing and fixing 15mm nominal bore flange/cap of approved make and quality for bib/angle cock including carriage of materials within all leads and lifts.	7.00 No			Each	
27	Providing and fixing PVC Finolex floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i) 110mm X 90mm size.	4.00 No.			Each	
28	Providing and fixing PVC Finolex type "B" pipes including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts :- (i) 110mm nominal size.	18.70 Rmt			Per running metre.	
(ii)	75mm nominal size.	13.20 Rmt			Per running metre	
29	Providing and fixing PVC Finolex Type-B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	4.00 No.			Each	
(ii)	75mm dia	2.00 No.			Each	
30	Providing and fixing PVC Finolex Type-B door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size	6.00 No.			Each	
(ii)	75mm nominal size	2.00 No.			Each	
31	Providing and fixing PVC Finolex Type-B door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	2.00 No.			Each	
(ii)	75mm nominal size	1.00 No.			Each	
32	Providing and fixing PVC Finolex Type-B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (i) 110mm nominal size.	12.00 No.			Each	
(ii)	75mm nominal size	8.00 No.			Each	

33	<p>Disposal of excavated earth/ dismantling materials by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respect as per direction of Engineer-in-Charge.</p>	0.89 Cum			Per Cubic metre.
<p>Conditions:-</p> <p>i Rates should be quoted for all loads, lifts and all heights irrespective of any floor level etc.</p> <p>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.</p>					Total


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

SCHEDULE OF QUANTITY

29

Name of work: -Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Repair of flooring, cup board and finishing etc. in room No.130.)

Estimated Cost Rs. :- 399003.00
 Earnest Money Rs. :- 7990.00
 Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of approved. make, plain, coloured coarbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.	22.50 Sqm			Per square metre	
2	Providing and fixing 2nd class teak wood lipping/ moulded beading or tal beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board/commercial board as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.	32.40 Rmt			Per running metre.	
3	Providing and fixing 19mm thick commercial board in Shutter for cupboard etc. including fixing with nickel plated piano Hinges with screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	15.12 Sqm			Per square metre	
4	Providing and fixing 19mm thick commercial board in shelve / box for cupboard with butt joints and fixing with nails and screw etc complete including carriage of material within all lead and lift as per direction of engineer in charge.	12.50 Sqm			Per square metre	
5	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 complete including carriage of materials within all leads and lifts.	38.76 Sqm			Per square metre.	
6	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in second class deodar wood.	0.60 Cum			Per cubic metre.	
7	Providing and fixing 12 mm thick Pine Wood wood of approved quality Tongued and Grooved in lining / ceiling with butt jointing and nails etc.(frame work and cover filets to be paid for separately) complete including carriage of materials within all leads and lifts.	74.72 Sqm			Per square metre.	
8	Providing and fixing 12 mm thick commercial ply board lining/ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) complete including carriage of materials within all leads and lifts.	97.22 Sqm			Per square metre.	
9	Polishing required coats with Melamine polish on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt,dust,and sand papared smooth and including a coat of wood filler up to all heights in all floor levels complete with scaffolding works including carriage of materials within all leads and lifts.	88.40 Sqm			Per square metre.	
10	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture complete including carriage of materials within all leads and lifts.	21.56 Sqm			Per square metre.	
11	Providing and fixing 1.00mm thick coloured or plain high gloss lamination sheet (Sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts.	15.12 Sqm			Per Square metre	

12	Providing and fixing 65mm x 35mm size special quality chromium plated brass cup board lock with six leavers including necessary screws etc. complete including carriage of materials in all leads and lifts.	8.00 No.			Each.	
13	Providing and fixing 125mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.	10.00 No.			Each.	
14	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.	10.00 No.			Each.	
15	Providing and fixing Ess Ess curtain rod 20mm dia with brackets and end fittings and screws etc. complete as per the direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	10.00 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.

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

SCHEDULE OF QUANTITY



Estimated Cost Rs. : 233557.00
Earnest Money Rs. : 4670.00
Time:- one month.

Name of work:- A/R and M/O Various residential buildings under division No III Shimla. (Providing steel shed , painting and distempering, repair of tile work In Curzon House)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	19.59			Sqm	Per square metre.
2	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including getting out and disposal of excavated earth complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	0.324			Cum	Per cubic metre.
3	Providing and laying cement concrete 1:4:8 (1cement : 4sand : 8Graded stone aggregate 25mm nominal size) and curing complete excluding cost of form work in foundation and plinth in breast and retaining walls etc. including carriage of materials in all leads and lifts.	2.28			Cum	Per cubic metre
4	Stone soling properly hand-packed filling interstices with Khairania stone including spreading 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	2.90			Cum	Per Cubic metre
5	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40mm thick with 20mm nominal size stone aggregate	19.59			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.	429.53			Kg.	Per Kilogramme
7	Providing and fixing 250x16mm M.S sliding door bolt. complete including carriage of materials within all leads and lifts.	1.00			No	Each
8	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60mm (+ 0.05%) total coated thickness with zinc coating 120grams per sqm as per IS: 277, in 240mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25microns minimum to avoid scratches during transportation and should be supplied in single length upto 12metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5mm x 55mm) with EPDM purfins, rafters and trusses and including cutting to size and shape wherever required complete including carriage of materials within all leads and lifts.	9.61			Sqm	Per square metre

9	Providing and fixing precast galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.40mm (+ 0.05%) total coated thickness with zinc coating 120grams per sqm as per IS: 277, in 240mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25microns minimum to avoid scratches during transportation and should be supplied in single length upto 12metre or as desired by Engineer-in-charge. The seal, complete upto any pitch in horizontal vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required complete including carriage of materials within all leads and lifts.					Per square metre	
10	Providing and fixing high pressure PVC (Finolux) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	36.00	Rmt			Per Running metre.	
10	150mm dia.						
11	Providing and fixing PVC Finolux plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	29.00	Rmt			Per Running metre.	
12	Providing and fixing PVC Finolux door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	13.00	No.			Each	
12	3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm nominal size.	1.00	No.			Each	
13	Providing and fixing PVC (finolux) Type 'B' Reducer 150x110mm ISI marked ISI marked including fixing with approved adhesive etc complete. i) 110 mm dia	4.00	No			Each	
14	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts. Size of Tile 600x600 mm.	22.62	Sqm.			Per square metre.	
15	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	14.22	Sqm.			Per square metre.	
16	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.	45.91	Sqm			Per square metre	
18	Finishing wall with weather proof exterior grade emulsion of approved brand or its equarried on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials within all leads and lifts.	53.15	Sqm			Per square meter	
19	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.	99.06	Sqm			Per square metre	

20	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 Trend series T-118.	1.00	No						Each	
21	Providing and fixing Wall mixer non telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121	1.00	No						Each	
22	Providing and fixing Acrylic shelf of ESS ESS make catalogue No. AC-107 or equivalent complete fixed to 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.	1.00	No						Each	
23	Providing and fixing towel ring of ESS ESS catalogue No. AC-202 or equivalent complete including carriage of materials within all leads and lifts.	1.00	No.						Each	
24	Providing and fixing Ess Ess angle stop cock 15mm (fifteen millimetre,) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112.E	5.00	No.						Each	
25	Providing and fixing Ess Ess 15mm (fifteen millimetre,) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-105E	2.00	No.						Each	
26	Providing and fixing Ess Ess towel rail including carriage of materials within all leads and lifts:- Ess Ess make Cat No. SQTW101	1.00	No.						Each	
27	Providing and fixing 45cm length uplasticised PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.	2.00	No						Each	
Rates should be quoted for all heights including all leads and lifts for internal and external works.										Total
Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.										


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


SCHEDULE OF QUANTITY

(3)


Name of work:- A/R and M/O Various residential buildings under division no III. (SH:-Covering of drain in front of block No.3 at U.S club)		Estimated cost:-	270358.00
		Earnest Money:-	5410.00
		Time :-	One Month.

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount
			In Figures.	In Words		
1	2	3	4	5	6	
1	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work including carriage of materials within all leads and lifts. In Foundation and plinth	1.41			Per cubic 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.	2193.29			Per Kilogramme	
3	Providing and fixing M.S welded mesh 25x25x2mm to angle iron frame work complete including welding by electric plant and including applying a priming coat of red lead painting and as per the direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	1.48			Per square metre	
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 materials within all leads and lifts.	106.23			Per square metre	
5	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 80cm x 80cm and 100cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.50.	1.00	No		Each	
					Total	

CONDITION

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

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


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

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 323505.00
Earnest Money Rs. :- 6480.00

Time:- One Month.

Name of work: - Special Repair to Lokayukta office Near Raj Bhawan Shimla-2 (SH:- Repair of Damaged Dhajji Wall Frames , Brick work , Window Shutters, P/F PGI. Sheets in outer side Wall Ground Floor up to Sill Level)

Sl. No.	Items of work	Quantity	Rate		Unit.	Amount.
			In figures	In words		
1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.	3.00 No.			Each	
2	Dismantling wooden ballies in posts and struts including stacking within 50metres lead.	98.45 Rmt.			Per Running Metre	
3	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	2.27 Cum			Per Cubic Metre	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts in second class deodar wood.	1.477 Cum			Per Cubic Metre	
5	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) as per the direction of Engineer-in-Charge including carriage of material in all leads and lifts.	21.07 Sqm			Per Square Metre	
6	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in Cement mortar 1:4 (1 cement :4 coarse sand) including carriage of materials within all leads and lifts.	15.12 Sqm.			Per Square Metre	
7	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size including carriage of materials within all leads and lifts.	84.00 Nos.			Each	
8	Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.	4.32 Sqm			Per Square Metre	
9	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 150x10mm	12.00 Nos.			Each	
10	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (i) 125mm	6.00 Nos.			Each	
11	Providing and Fixing MS Hooks & Eyes(i) 150mm	6.00 Nos.			Each	

12	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	30.24	Sqm				Per Square Metre	
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.	30.24	Sqm				Per Square Metre	
14	Finishing walls with Acrylic Smooth exterior paint of required shade : (i) New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts	30.24	Sqm				Per Square Metre	
15	Applying priming coat with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	57.87	Sqm.				Per Square Metre	
16	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	57.87	Sqm.				Per Square Metre	
17	Providing and fixing PGL Sheet in lining/ceiling with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in-charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.	115.89	Sqm.				Per Square Metre	
18	Painting Steel work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	115.89	Sqm.				Per Square Metre	
19	Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge.	2.27	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 Fine wood 5.92 Cu recovered from site will be charged / deducted from contractor @ Rs. 500.00 Per Quintal

Recovery of Useful Window Shutter 6.00 Nos recovered from site will be charged / deducted from contractor @ Rs. 150.00 Each.

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

SCHEDULE OF QUANTITY

Estimated cost:- 132126.00
Earnest Money:- 2650.00
Time :- One Month

Name of work :- Stock storage of Shimla Division No. III HP. PWD. Shimla for the year 2022-23 (SH:-Shifting/Loading and unloading of Steel from site of block No. 34 to place behind Royal hotel & PWD block) at Nabha Estate Shimla.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Loading of following materials in trucks and tippers from PWD Store Nabha and other local places at Shimla with in all leads and lifts and properly stacked at specified site:- i) Tor Steel	240.00	M.T.		Per metric tone	
2	Un-loading of following materials from trucks and tippers at PWD Store Nabha including stacking properly at site within all leads and lifts. ii) Tor Steel	240.00	M.T.		Per metric tone	
3	Carriage/stacking of materials by manual labour upto distance of 200 Mtrs.	120.00	M.T.		Per metric tone	
CONDITION:-					Total:-	

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

Executive Engineer
Shimla Division NO.4th
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

		Estimated cost:-	396289.00
		Earnest Money:-	7930.00
		Time :-	One Month.
Name of work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:-Supply and applying of Epoxy Grouting for repair of cracks in old Richmond Villa building Set no.1 & 2 at Richmond Shimla)			

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Providing and applying of Epoxy Grouting for addressing Cracks in wall and the surface to be cleaned enough to assert the exact location of source of problem. Providing and fixing packers 100mmx10mm into the crack walls as per company instructions. The drilled hole would be cleaned under prior to fixing of packers the packers would be spaces at 150mm depending upon the severity of the problem and cracks to be sealed with seal the crack using Epoxy putty (DEP-009) and fix the pedestals for injectors & providing and injecting epoxy mix DEL090 in the ratio 2:1 (1rasin:1 Hardner) through company provided injectors.	69.50	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
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SCHEDULE OF QUANTITY

35

Name of work:- S/R to various residential buildings under division no III Shimla (SH:-Repair of Sewerline and constructing Manholes to block 1,2,3 at Oak Over.

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	2	3	4	5	6	
1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :	96.80	Rmt		Per running metre.	
	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 50cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	No		Each	
3	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 80cm x 80cm and 100cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.50.	4.00	No		Each	

4	Providing and fixing high pressure PVC Finolux Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	11.80	Rmt			Per running metre	
5	Providing and fixing high pressure PVC Finolux Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	108.40	Rmt			Per running metre	
6	Providing and fixing PVC Type B door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	2.00	No			Each	
7	Providing and fixing PVC finolux Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia	2.00	No			Each	
8	Providing and fixing PVC door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	5.00	No			Each	
9	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	5.00	No			Each	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	8.84	Cum			Per cubic metre.	
						Total	

CONDITION

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

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

Executive Engineer
Shimla Division NO.III.
HPWD.Shimla-171003

SCHEDULE OF QUANTITY

Name of work:- S/R to various residential buildings under division No III Shimla. (SH:-Repair of cupboards,, repair of ceiling etc in set no 16 type V at Richmound Shimla)

Estimated cost:- 332891.00
Earnest Money:- 6660.00

Time :- One Month.

Sub-Head/Item of work.

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	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	46.08 Sqm	4	5	6	
2	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	28.83 Sqm			Per square metre.	
3	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	46.08 Sqm			Per square metre.	
4	Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sumnica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.	46.08 Sqm			Per square metre.	
5	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.	75.00 Rmtr			Per running metre.	
6	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125mm.	20.00 No			Each	
7	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.	20.00 No			Each	
8	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood	0.230 Cum			Per cubic metre.	
9	Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)	61.32 Sqm			Per square metre.	

Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.

61.32 Sqm					Per square meter	
61.32 Sqm					Per square meter	
					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-4WD, Shimla-171003
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SCHEDULE OF QUANTITY

37

Estimated Cost Rs. 392192.00
Earnest Money Rs. 7840.00
Time:- one month.

Restoration of rain damages to road from OLD MLA Ctrs to Boileauganj Crossing by-Pass road KM 0/00 to 0/400. (SH:- Construction of BresuWall at RD 0/325.50 to RD 0/331)

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.	52.18	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.	20.02	Cum.		Per cubic metre.	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, filets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	58.52	Cum		Per Cubic metre	
4	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete, including carriage of materials within all leads and lifts, including carriage of materials all leads and lifts as per direction of Engineer- in - Charge.	27.75	Sqm		Per Square metre	
5	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm 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	22.00	Rmtr		Per running metre	
6	Disposal of building rubbish / maiba / 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.	50.54	Cum.		Per cubic metre.	
					Total	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.	Draft schedule of quantity No. 3,92,192only.				
	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.	For the year 2022-23 duly approved for Rs				

Executive Engineer,
Shimla Division No. III,
H.P.W.D. Shimla-3.
[Signature]

SCHEDULE OF QUANTITY

Estimated cost:- 220869.00
Earnest Money:- 4420.00
Time :- One Month.

Name of work:- A/R and M/O to Various residential buildings under division no III Shimla. (Repair of sewerline stone soling and Manhole etc in Backside of U.S Club Shimla)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of 6.23 material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	3	4	5	6	
2	Excavation in drains and channels etc. in all kinds of earth work including spade work, pick work, jumper work, blasting work and chiselling / wedging out of rock etc. including dressing of sides and bed and disposing of excavated earth upto all leads and lifts and disposed earth to be levelled and neatly dressed as directed by Engineer-in-charge within all leads and lifts	20.56			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand : 8 graded cursed/ broken stone aggregate 40mm nominal size mechanically mixed and curing complete including cost of form work in foundation and plinth including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	4.67			Per cubic metre.	
4	Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	41.50			Per running metre.	
(ii)	110mm dia.	26.50			Per running metre.	
5	Providing and fixing PVC offset 45° ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i)150mm nominal size.	6.00			Each	
(ii)	110 mm dia.	8.00			Each	
6	Providing and fixing PVC finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia	6.00			Each	
(ii)	110mm dia.	6.00			Each	
7	Providing and fixing PVC finolex type B double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	2.00			Each	
(ii)	110mm dia.	3.00			Each	
8	Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.	6.00			Each	
(ii)	110mm dia.	6.00			Each	
9	Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering of binding materials moorum or earth etc. complete as per H.P.PWD specification 150mm spread thickness (finished work including materials and labour) including carriage of materials within all leads and lifts.	4.67	Cum		Per Cubic metre	

10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand) : 6graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	4.67	Cum.				Per cubic metre.	
11	Constructing manhole with RCC top slab in 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) foundation concrete 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) inside plastering 15mm thick with cement mortar 1:3 (1 cement 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) finished smooth complete including curing and testing: (1) Inside size 800mm x 800mm and 500mm deep including pre-cast R.C.C. manhole cover 600mm dia with frame. (a) With 200mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement : 3 Sand) including carriage of materials within all leads and lifts.	5.00	No.				Each	
12	1) Inside size 800 x 800mm and 1000mm deep including pre-cast R.C.C. manhole cover 600mm dia with frame. (a) With 200mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement : 3 Sand) including carriage of materials within all leads and lifts. 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.	2.00	No.				Each	
		5.45	Cum.				Per cubic metre.	

CONDITION

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

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

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

[Signature]

SCHEDULE OF QUANTITY

Estimated cost:- 369107.00
Earnest Money:- 7380.00
Time :- One Month.

name of work:- S/R to various residential buildings under division No III Shimla. (SH:-C/O garage in C-12 at Bemloe Shimla. (Balance work)

Sl. NO.	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount
			In Figures.	In Words		
1	2	3	4	5	6	
1	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.	1554.85 Kg			Per Kilogramme	
2	Providing and fixing 6mm thick chequered steel plates including cutting welding complete in flooring over steel frame work to be paid seperately). including carriage of materials in all leads and lifts. As per direction of Engineer-in charge.	637.00 Kg			Per Kilogramme	
3	Providing and fixing ISI marked M.S. pressed parliamentary hinges with butt hinges bright finished with necessary screws etc. complete :	1.00 No			Each	
4	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : including carriage of material in all leads and lifts. 250x16mm	4.00 No			Each	
5	Providing and fixing ISI marked oxidised M.S. tower bolt black finish. (Barrel type) with necessary screws etc. complete :150x10mm.	4.00 Rmtr			Per running metre.	
6	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 purins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than	99.29 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.
H.P.W.D.Shimla-171003

SCHEDULE OF QUANTITY

Estimated Cost Rs. 370931.00
Earnest Money Rs. 7410.00
Time:- one month.

Name of Work:-Restoration of rain damages to road from OLD MLA Qtrs to Boileauganj Crossing by-Pass road KM 0/00 to 0/400. (SH:- Construction of P.C.C R/Wall at RD 0/375 to RD 0/380.50

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:- 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size.)	57.49	Cum			Per cubic metre.	
2	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete, including carriage of materials within all leads and lifts, including carriage of materials all leads and lifts as per direction of Engineer-in - Charge.	62.65	Sqmt			Per cubic metre.	
3	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	20.46	Cum			Per Cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110 mm 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	52.00	Rmtr			Per Square metre	
5	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.	29.70	Cum			Per running metre	
	Rates should be quoted for all heights including all leads and lifts for internal and external works.					Total	
	Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.						

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