

Himachal Pradesh
Public Works Department

No. PW-SD I-CTR- Tender-NIT/2021-22- 23365-66 Dated:- 17-1-2022

To

The Executive Engineer (IT Cell)
Nigam Vihar Shimla.

Subject :- Publication of Tender Notice.

Jai Hind


Enclosed please find herewith the tender Notice of work as given in the Notice Inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW (B)A(3)1/2020 dated Shimla-2 the 16th July 2021 as the works mentioned in the tender notice are urgent in nature and in public interest.

DA:- Notice Inviting Tender & Schedule of Quantity and Certificate.


Executive Engineer,
Shimla Division No-1.,
HPPWD., Shimla-3.

Copy forwarded to for further necessary action please.

1. The Superintending Engineer 4th Circle HPPWD Shimla.


Executive Engineer,
Shimla Division No-1.,
HPPWD., Shimla-3.

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

Executive Engineer B&R Division No-I HPPWD Shimla for the following works on behalf of the Government of Himachal Pradesh from the eligible contractors enlisted in HPPWD, so as to reach in the office as per time schedule given below:-

- | | |
|--|---------------------------|
| 1. Date of receipt of application for tender forms:- | 01-02-2022 upto 4:00 PM |
| 2. Dated of Issue /sale of tender forms:- | 02-02-2022 upto 4:00 PM |
| 3. Date of receipt of tender:- | 03-02-2022.up to 10:30 AM |
| 4. Date of opening of tender:- | 03-02-2022 up to 11:00 AM |

Sr. No.	Name of Work	Estimated cost	EMD(Rs.)	Cost of Tender (Rs.)	Time Limit	Eligible class of Contractor
1	A/R & M/O to type-I to VI Qtrs at Mehli Kasumpti Shimla (SWH:- Painting and Distemping due and vacant sets Type-I & Type-IV and due /vacant set in type-II & III at Mehli Kasumpti Shimla).	97199/-	2000/-	350/-	30 days	Class-D
2	A/R & M/O to various residential quarters type-I to VI at Kasumpti Shimla-9 (SH;- Providing and supplying of aluminum ladder under Kasumpti Section at Kasumpti Shimla-9).	41400/-	900/-	350/-	30 days	Class-D
3	A/R & M/O to various residential Qtrs at Brock Hurst Shimla (SH;- Alteration & Repair work in Gallery of Cottage No. 2,5,6 & 7 at Below pine, Brock Hurst Shimla-9).	390600/-	7900/-	350/-	30 days	Class-D
4	A/R & M/O to various residence quarter at Kasumpti Shimla-9 (SH;- Renovation of Toilet bath kitchen and minor repair work in type-IV set No.38 at Kasumpti Shimla-9).	111185/-	2300/-	350/-	15 days	Class-D
5	Restoration of various internal road to Brock Hurst Shimla-2 (SH;- C/O Breast wall in internal road to cottage No.11,12 and polycarbonate covering of jaffri in House No.1 First floor Brock Hurst).	253537/-	5100/-	350/-	60 days	Class-D
6	Improvement /widening of chotta Shimla Kasumpti Panthaghatti road (SH;- Falling of dry standing tree & conversion of longs into sleeper/fuel wood etc & stacking in PWD store).	92900/-	1900/-	350/-	30 days	Class-D
7	A/R & M/O to set No.158,140 and 141 type-III at Kasumpti Shimla-2 (SH;- Providing and fixing ply and PVC flooring).	98980/-	2000/-	350/-	30 days	Class-D
8	Construction of GSSS at Gumma (SH;- C/O Chhajja , P/F Structural steel and preprinted sheet, C/O edge wall on back side of the school building).	238648/-	4800/-	350/-	60 days	Class-D
9	A/R & M/O Tribal Bhawan at Dhalli Shimla (Old Building)(Painting and Distemping in Basement floor).	99166/-	2000/-	350/-	30 days	Class-D
10	Improvement & widening on Shoghi Mehli Junga sadhupul road km. 12/375 to 48/925 (SH;- C/O proposed Toe wall at RD. 23/330 to 23/333 & 23/336 to 23/339).	99804/-	2000/-	350/-	30 days	Class-D
11	A/R & M/O office of economics and statistics Department Block No.38, SDA Complex , Kasumpti Shimla-9 (SH;- P/F AC4 wooden flooring in Economic Advisor Room , P/F window glasses in office building etc).	143711/-	2900/-	350/-	30 days	Class-D
12	A/R & M/O to various residential quarter at Kasumpti Shimla-9 (SH;- Renovation of W.C painting /Distemping and minor repair work in Below pine set No.3 at Brock Hurst at Kasumpti Shimla-9).	99996/-	2000/-	350/-	30 days	Class-D
13	Construction of 15mtr span T-beam Bridge from Tipra to Jagroti road km. 0/00 to 6/00 at RD. 2/270 (SH;- Preparation of detailed design, drawing and estimate).	200000/-	4000/-	350/-	60 days	Class-D
14	A/R & M/O to cottage No. 17 at Brock Hurst Shimla-2 (SH;- Renovation of W.C. steel work and minor repair work in cottage No.17 at Brock Hurst Shimla-2).	99963/-	2000/-	350/-	15 days	Class-D
15	A/R & M/O to various residence quarter under sub Division No.VIII Shimla-9 (SH;- Repair of Damged C.G.I roof House No.2 G.F and minor repair work in various sets at Brock Hurst Shimla-2).	162116/-	3300/-	350/-	60 days	Class-D
16	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH;- Painting and Distemping work in type-IV set No.4 below pine set No.3 and Due/vacation sets at Brock Hurst Kasumpti Shimla-90).	139200/-	2800/-	350/-	60 days	Class-D
17	Improvement and widening of road on Sadhora to Mohanpur road km. 0/00 to 6/525 (SH;- C/O B/wall at RD. 1/750 top 1/765)(SCCP).	229277/-	4600/-	350/-	30 days	Class-D
18	A/R & M/O to various residence quarter under Kasumpti Sub Division Shimla-2 (SH;- P/F Polycarbonate sheet in Boundary of House No.1 at Brock Hurst and Covering of balcony in type-IVC set No.22,18,50).	402900/-	8100/-	350/-	30 days	Class-D
19	Special Repair of various residential Qtrs type-I to VI at Kasumpti Shimla -9 (SH;- Reconstruction existing garage No.2,3 & 4 at Kasumpti Shimla).	489914/-	9800/-	350/-	60 days	Class-D
20	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH;- Providing and fixing pine wood panlling cup board Repair of damaged PGI gutter, Brick Masonry , Rubbing of kota stone, cleaning of glass and minor repair work in House No.4 type-VIII at Brock Hurst).	378647/-	7600/-	350/-	60 days	Class-D

21	A/R & M/O various residence at Brock Hurst (SH:- Providing and laying of BM and BC in internal road to type-III set No.65 to 88; Cottage No.11,14 repair of road).	220769/-	4500/-	350/-	30 days	Class-D
22	Improvement & widening on Kawant to Pathar road km. 0/00 to 2/700 (Widening of curve at RD. 0/00 to 0/150).	387815/-	7800/-	350/-	30 days	Class-D
23	A/R & M/O of Garage No. 10 & 20 at Brock Hurst Shimala-2 (SH:- Construction of garage No.10 & 20 at Brock Hurst Shimala).	449580/-	9000/-	350/-	30 days	Class-D
24	Improvement & Widening on Shogri Mehl Hunge Sadhupul road km. 12/375 to 48/925 (SH:- C/O Retaining wall at RD. 20/925 to 20/962).	357300/-	7200/-	350/-	30 days	Class-D
25	A/R & M/O to Various residential qr at Kasumpti Shimala-9 (SH:- Renovation of kitchen, painting/Distemping and minor repair work in Type-III set No.159 at Kasumpti Shimala-9).	99493/-	2000/-	350/-	60 days	Class-D
26	A/R & M/O Type-I to VI at Mehl Shimala (SH:- Repair of damaged flooring and replace of kitchen and bath pipe line in Transit accommodation at Block 1 and 2 Mehl Kasumpti Shimala).	80842/-	1700/-	350/-	30 days	Class-D
27	Metalling Tarring and maintenance of road in Shimala Town (SH:- P/L Painting and white washing of Auckland tunnel of side walls).	146004/-	3000/-	350/-	30 days	Class-D
28	A/R & M/O to various residence quarter at Brock Hurst Shimala-2 (SH:- Painting and Distemping work in servant Qtrs. No.1 to 26 and Due/Vacation sets at Brock Hurst Kasumpti Shimala-9).	135684/-	2800/-	350/-	60 days	Class-D
29	Improvement and widening of road on Mashobra to Bhakhally road km. 0/00 to 18/360 (SH:- Cutting earth work of widening of curves in km. 16/560 to 16/690 and 10/070 to 10/092).	113695/-	2300/-	350/-	30 days	Class-D
30	Special repair to Type-V set No. 11 at Kasumpti Shimala-9 (SH:- Providing and fixing aluminum work in glass house, steel work, PVC flooring in first floor, polycarbonate sheet and minor repair work in Type-V set No.11 at Kasumpti Shimala-9).	383069/-	7700/-	350/-	60 days	Class-D
31	A/R & M/O to various residence qtrs at Brock Hurst Shimala-2 (SH:- Renovation of toilet bath kitchen and minor repair work in Type-III set No.56 at Brock Hurst Kasumpti Shimala-9).	122851/-	2500/-	350/-	60 days	Class-D

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

- The tender documents shall be issued only to those contractor/firm who fulfill the following documents with the application.
- Permanent account No. (PAN NO).
- G.S.T No.
- Earnest Money in the shape of National saving certificate/time deposit account in the any of the post office in HP. F.D.R from any Nationalized Bank duly placed in favour of the Executive Engineer, Shimala Division No.1 HPPWD Shimala.
- The earnest & cost of tender form for the above works should be submitted with the application for the purchase of the tender form.
- The application received without earnest money & cost of tender form shall summarily be rejected.
- The officer of the tender shall remain valid up to 75 days after the opening of tender.
- Ambiguous/telephonic /conditional tenders or tender by fax/E mail shall not be considered and will be summarily be rejected.
- Executive Engineer reserve the right to reject or cancel any or all tenders without assigning any reasons.
- If the date given above happens to be holiday the same shall be processed on next working day.
- The Contractor/firms must quote their rates in words as well as in figures failing which ENX reserve the right to accept/reject any or all tenders.
- The tender forms shall not be issued to those contractors/firms whose previous performance is not found satisfactory and who have not executed the previous awarded works within the stipulated period of completion.
- Date contractor shall not have more than two major works in hand at a time.
- Work should be completed by the contractor within stipulated period.

No.PW-SD-1/CR-Tender/21-22.

Copy Forwarded to :-

- Copy to the Deputy Commissioner Shimala Dist. Shimala.
- Copy to the Executive Engineer, Shimala Division No-11 HPPWD Shimala.
- Copy to the Sub Divisional Magistrate (U) Shimala.
- Copy to the Sub Divisional Magistrate (I) Shimala.
- Copy to Municipal committee Shimala Dist. Shimala.
- Copy to Block Development officer Mashobra Dist. Shimala.
- All the Assistant Engineers under this Division, HP, SD Shimala-3.
- Superintendent / NDM /DAO.
- Notice Board.

23367-76

Executive Engineer,
Shimala Division No-1,
HPPWD, Shimala-3.

Dated : 15-1-2022

Executive Engineer,
Shimala Division No-1,
HPPWD, Shimala.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.

Name of Work :- A/R & M/O to Type-I to VI Qtrs. at Mehli Kasumpti Shimla (SH: Painting and Distemping

due and vacant sets Type-I & Type-IV and due and vacant set in Type-II & III at Mehli Kasumpti Shimla)

Estimated Cost:-97,199.00
 Earnest Money :- 2,000.00
 Time:- 30 Days.

Sr. No.	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit		Amount
				In figures	In words	
1	Removing of dry oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.		544.14	Sqm	Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1 mm. of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.		272.07	Sqm	Per Square Metre	
3	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) One or more coats on old work.		276.30	Sqm	Per Square Metre	
4	Distemping with oil bound washable distemper of approved brand and manufacturer to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) New work (two or more coats) over and including water thinnable priming coat with cement primer.		818.00	Sqm	Per Square Metre	
5	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade/including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) One or more coats on old work.		423.48	Sqm	Per Square Metre	
	Total					

DNT approved for Rs.97,199/- Only (Rupees Ninety seven thousand one hundred ninety nine only) vide DNT Register Sr.No. the financial year 2021-22.

Executive Engineer,
 Shimla Division No.1,
 H.P.P.W.D Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.


Estimated Cost:- 41,400.00

Name of Work :- A/R & M/O to various residential quarters Type-I to VI at Kasumpti Shimla-9 (SH: Providing and supplying of aluminium ladder under Kasumpti section at Kasumpti Shimla-9)

Earnest Money :- 900.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Providing and supplying of aluminium ladder 45 feet long heavy duty including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No		Each	
Total						


 Executive Engineer,
 Shimla Division No.1,
 HP PWD Shimla-3.

Executive Engineer,
Shimla Division No.1,
P.P. P.W.D. Shimla-3.

[Signature]

5	Providing and fixing aluminium tower bolts (barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)100x10mm	Nos	60.00			Each	
6	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100 mm (Solid body)	Nos	20.00			Each	
7	Providing and fixing anodized aluminium sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm .	Nos	10.00			Each	
8	Providing and fixing fly proof galvanised M.S. wire gauge of IS gauge designation 85 g with wire of dia 0.56 mm to windows and eierstory windows including 60x20 mm beading of including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)2nd class deodar wood.	Sqm.	10.00			Per Square Metre	
9	Providing and fixing oxidized M.S. hooks and eyes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 200mm	Nos	20.00			Each	
						Total	

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work : - A/R & M/O to various residence quarter at Kasumpti Shimla-9 (SH: Renovation of Toilet,

Bath, Kitchen and minor repair work in Type-IV set No.38 at Kasumpti Shimla-9).

Estimated Cost:- 1,11,185.00

Earnest Money :- 2,300.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials within 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty millimetre)	50.24	Sqm	Per Square Metre		
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43	Cum	Per Cubic Metre		
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum	Per Cubic Metre		
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of un-serviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum	Per Cubic Metre		
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Of area 3 sq. metres and below.	2.00	Nos	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm	Per Square Metre		
7	Disposal of building rubbish / malba / similar un-serviceable, 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	50.67	Cum	Per Cubic Metre		
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm	Per Square Metre		

9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in (1) Cement mortar 1:4 (One cement : Four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	Cum	0.05			Per Cubic Metre
10	The work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm (twelve millimetre) thick bed of cement mortar 1:3 (One cement: three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (1) 8 mm (eight millimetre) thick	Sqm	43.68			Per Square Metre
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm (three hundred into three hundred millimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty millimetre) thick cement mortar 1:4 (one Cement: four 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 in all leads and lifts as per directions of the Engineer-in-charge.	Sqm	11.94			Per Square Metre
12	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 (twenty millimetre) thick cement mortar 1:4 (One cement : four 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 in all leads and lifts as per directions of the Engineer-in-Charge. (1) Size of tile 600x600mm (six hundred into six hundred millimetre)	Sqm	6.35			Per Square Metre
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm (fifteen millimetre) nominal bore.	Rmt	12.00			Per Running Metre
14	Centering and shuttering including strutting, propping etc. and removal of form for : including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (1) Shelves (Cast in situ)	Sqm	1.80			Per Square Metre
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (1) Mild steel and Medium Tensile steel bars	Kg.	13.86			Per Kilo-gram

16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.13	Cum	Per Cubic Metre
17	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.02	Cum	Per Cubic Metre
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws. 40mm (forty millimetre) thick. 2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.35	Sqm	Per Square Metre
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty millimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.26	Sqm	Per Square Metre
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm	Per Square Metre
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm	Per Square Metre
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos	Each

23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen milimetre)	2.00	Nos			Each
24	Providing and fixing aluminum tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty milimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each
27	Providing and laying marble work (table rubbed and polished) with semi round nosing in flooring laid over 20mm (Twenty milimetres) thick base in 1:3 (One cement: three sand) including jointed with cement mortar 1:2 (one white cement: two marble dust) with an admixture of pigment to match the shade of marble 20mm (Twenty milimetres) thick Green marble with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.80	Sqm			Per Square Metre
28	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 in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	3.00	Nos			Each
29	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 110 mm dia.	12.00	Rmt			Per Running Metre
30	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos			Each

31 Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) 10 mm (one hundred ten millimetre) dia	2.00	Nos			Each	
					Total	

Executive Engineer,
 Shimla Division No.1,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 2,53,537.00			
Name of Work :- Restoration of various internal road to Brock Hurst Shimla-2 (SH: C/O Breast Wall in internal road to Cottage No.11,12 and polycarbonate covering of jaffri in House No.1 First floor Brock Hurst).				Earnest Money :- 5,100.00			
				Time:- Two months			
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged 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 fine 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) Any loss to the public and private propriety, human being, machinery 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. (i)All kinds of soil	11.60	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 (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width , camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	2.00	Cum			Per Cubic Metre	

Executive Engineer,
Shimla Division No.1,
J.P.P.W.D Shimla-5.

3	Per Running Metre		20.00	Rmt	Providing weapholes in brick masonry / plain reinforced concrete abutment, wing wall with 100 mm(One hundred millimetre) dia PVC pipe extending through the full width of the structures with stop 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 in all leads and lifts as per the directions of the Engineer-in-Charge.
4	Per Cubic Metre		25.00	Cum	Providing and laying concrete Mechanically mixed and vibrated P.C.C. M-10 nominal mix 1:3:6 (cement:sand:graded stone aggregate forty millimetre nominal size for plain/reinforced concrete in open foundation and plinths or similar works complete as per drawings and technical specification MORD clause 802,803,1202 & 1203 and curing complete including the cost of form work an hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-in-Charge.
5	Per Kilogram		30.00	Kg.	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works (a) Through rate
	Per Kilogram		300.00	Kg.	(b) (Labour rate)
6	Per Kilogram		300.00	Kg.	Dismantling steel work in single sections including distemping and stacking with 50 metres lead including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge. (i) Channels, angles, tees and flats.
7	Per Square Metre		100.00	Sqm.	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Enamel paint other than white.
8	Per Square Metre		75.00	Sqm.	Providing and fixing polycarbonated sheet 1.20mm thick in lining with galvanised self driven screws complete with all accessories including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
	Total				

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work :- Improvement/widening of Chotta Shimla Kasumpti Panthaghatti road (SH: Falling of

dry standing tree & conversion of longs into sleeper/fuel wood etc. & stacking in PWD store).

Estimated Cost:-92,900.00

Earrest Money :-1,900.00

Time:- 15 Days.

Sr. No

Description of Work / Item (S)

No. of Qty.

Estimated

Rate

Unit

Amount

Each

Nos

2.00

Falling of dry or green dangerous tree of girth of any dia by cutting into the appropriate pieces from top to bottom so that it may not creat any danger to adjoining building electric high tension hide or telephone lines as per the directions of Engineer-in-Charge.

Nos

1.00

Removal of fallen green of any dia by cutting into the appropriate pieces from top to bottom so that it may not creat any danger to adjoining building electric high tension hide or telephone lines as per the directions of the Engineer-in-Charge.

Cum

2.00

Conversion of lumber any type of tree into longs and further into sleeper and scantling standered side including the same as per the directions of the Engineer-in-Charge

Cum

2.00

Conversion of log into fuel wood into appropriate pieces as directed by the Engineer-in-Charge.

Kgs.

2000.00

Conversion of root logs into fuel wood into appropriate pieces as directed by the Engineer-in-Charge.

Kgs.

10000.00

Looping of Standing green tree complete as per direction of Engineer-in-Charge

Nos

8.00

Carriage of materials from site of work to PWD store as per the directions of the Engineer-in-Charge.

Cum

2.00

Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:-98,986.00

Earnest Money :-2,000.00

Name of Work :- AR/ MO to Set No 158, 140 and 141 type III at Kasumpti Shimla-2 (SH: Providing and fixing

ply and PVC flooring)

Sl. No. Description of Work / Item (S)

Sl. No.	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Estimated Rate	
				In figures	In words
		Unit	Amount		
1	Providing and fixing 6 mm thick ply wood flooring with butt jointing and nails complete (Frame work for base to be measured & paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Sqm	25.00		
2	Providing and fixing 1.5 mm thick pvc/rubber tiles flooring plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment to be measured separately) for payment including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Sqm	80.00		
				Per Square Metre	0
				Per Square Metre	0
				Total	0

Executive Engineer,
Shimla Division No.1,
H.P.W.D. Shimla-3.

45

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work :- Construction of GSSS at Gumma (SH: C/O Chhajja, P/ structural steel and

Estimated Cost:- 2,38,648.00

Earnest Money :- 4,800.00

Time:- 60 Days.

Sr No	Description of Work / Item (S)	No of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Steel work welded in built up sections, trusses and framed work including cutting	2	3		Per Kg.	7
1	hoisting fixing in position and applying a priming coat of red lead paint. a) In beams joists channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like.				Per Sqm	
2	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating t/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia with all accessories as required as per the direction of Engineer-in-charge.	47.92			Per Sqm	
3	Providing and fixing 38cm(thirty eight centimetre) overall with 0.60mm (zero point sixty millimetre) thick prepainted sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester organic coating of 20 microns over 5 microns primer coating + back coat of polyester of 5 microns over 5 microns primer coating t/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia meter & prepainted G.L. limpet & bitumen washers complete with all accessories as required as per the direction of Engineer-in-charge.	22.10			Per Rmt	
4	Providing and fixing M.S.B.P. sheet in eaves board / ornamental fascia / soffit & ceilings including cutting, welding and applying a coat of red lead primer etc, complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.47			Per Sqm	
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:- two or more coats on new worksincluding carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.47			Per Sqm	

6	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per drawing and Technical Specification Clause 1603.1 including carriage carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.74	Cum			Per Cubic Metre
7	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks.(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including clearing of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.47	Cum			Per Cubic Metre
8	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:6:12(One cement: Six sand:Twelve graded stone agg.40mm (forty millimetre) nominal size)	3.47	Cum			Per Cubic Metre
9	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty millimetre) nominal size).	15.70	Cum			Per Cubic Metre
10	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.	2.11	Cum			Per Cubic Metre
11	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Rmt			Per Running Metre
						Total

Executive Engineer,
Shimla Division No.1,
HP PWD SHIMLA

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work :- A/R & M/O Tribal Bhawan at Dhalli Shimla (Old Building) (SH:-Painting and Distemping in

Basement floor).

Sr.No

Description

Qty.

Rate in

Fig.

Words

Unit

Amount

Sr.No	Description	Qty.	Rate in	Fig.	Words	Unit	Amount
1	Wall painting (two coats) with premium acrylic emulsion paint of interior grade, having VOC (volatile Organic Compound) Content less than 50 grams/litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (i)Two coats	830.25	Sqm			Per Square Metre	
2	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	85.40	Sqm			Per Square Metre	
3	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacture over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	290.58	Sqm			Per Square Metre	
4	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping sand peeling the surface smooth including necessary repair to scratches etc complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	249.07	Sqm			Per Square Metre	
	Total						

Time:- 30 Days.

Estimated Cost:- 99,166.00

Earrest Money :- 2000.00

Executive Engineer,
Shimla Division No.1,
H.P.P.W.D Shimla-3

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 1,43,711.00

Name of Work :- A/R & M/O office of economics and Statistics Department, Block No.38, SDA complex, Kasumpti Shimla-9 (SH: P/F AC4 wooden flooring in Economic Advisor Room, P/F window glasses in office building etc.).

Earnest Money :- 2,900.00

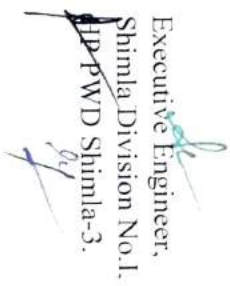
Time:- 30 Days.

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Unit	Estimated Rate		Amount
				In figures	In words	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty)metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6(One cement :three sand: six graded stone aggregate) (one or richer mix (i/c equivalent design mix).	1.76	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 1:2:4(1cement:2 coarse sand:4graded stone aggregate 20mm nominal size)	1.76	Cum			Per Cubic Metre
3	Providing and fixing HD4 flooring including plastic foam sheet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	37.74	Rmt			Per Running Metre
4	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) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Second class teak wood.	0.04	Kg.			Per Kilogram
5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (i)Second class teak wood (a)40 mm thick shutters	1.80	Sqm			Per Square Metre
6	French spirit polishing Two or more coats on new works including a coat of wood filler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.79	Sqm			Per Square Metre
7	Melamine polishing on wood work (one or more coat) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.79	Sqm			Per Square Metre

8	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	Sqm				Per Square Metre	
9	Providing and fixing scaffolding at site including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	Sqm				Per Square Metre	
							Total	

Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.



SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 99,996.00	
Name of Work :- A/R & M/O to various residential quarter at Kasumpti Shimla-9 (SH: Renovation of W.C.,Painting /Distempering and minor repair work in Below Pine set No.3 at Brock Hurst at Kasumpti Shimla-9)					Earnest Money :- 2,000.00	
					Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate	Unit	Amount
				In figures	In words	
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials within 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty milimetre)	18.60	Sqm			Per Square Metre
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43	Cum			Per Cubic Metre
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum			Per Cubic Metre
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(1) Of area 3 sq. metres and below	2.00	Nos			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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	0.93	Cum			Per Cubic Metre
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm			Per Square Metre

9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5(seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in.(i) Cement mortar 1:4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	
10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight milimetre) thick	8.16	Sqm			Per Square Metre	
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre)thick cement mortar 1:4 (one Cement: four 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 in all leads and lifts as per directions of the Engineer-in-Charge.	4.46	Sqm			Per Square Metre	
12	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 (twenty milimetre) thick cement mortar 1:4 (One cement : four 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 in all leads and lifts as per directions of the Engineer-in-Charge.(i) Size of tile 600x600mm (six hundred into six hundred milimetre)	3.18	Sqm			Per Square Metre	
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	6.00	Rmt			Per Running Metre	
14	Centering and shuttering including strutting, propping etc. and removal of form for : including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)	0.72	Sqm			Per Square Metre	
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	5.54	Kg.			Per Kilo-gram	

16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One part five coarse sand) : three graded stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	
17	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.02	Cum			Per Cubic Metre	
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws. 40mm (forty millimetre) thick. 2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.35	Sqm			Per Square Metre	
19	Providing and fixing wire gauge shutters using galvanised M. S. wire gauge of I. S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty millimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.26	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and <i>vice</i> preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 125mm	4.00	Nos			Each	
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	2.00	Nos			Each	

24	Providing and fixing aluminium tower bolts/barrel type/anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty millimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.40	Sqm			Per Square Metre	
28	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	3.60	Sqm			Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.60	Sqm			Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.00	Nos			Each	
31	Providing and fixing square edges cover filllets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)1st class Indian teak wood	10.00	Rmt			Per Running Metre	
32	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 as per directions of the Engineer-in-Charge.	5.40	Sqm			Per Square Metre	
33	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 in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	3.00	Nos			Each	

34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	6.00	Rmt				Per Running Metre	
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos				Each	
36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)110 mm (one hundred ten millimetre) dia	2.00	Nos				Each	
37	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint. b) With enamel paint other than white	50.00	Sqm				Per Square Metre	
38	Extra over item No.37 for every subsequent coat of paint on previously painted wood and wood based surfaces with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint. b)With enamel paint other than white	25.00	Sqm.				Per Square Metre	
39	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	10.00	Sqm				Per Square Metre	
40	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	Sqm				Per Square Metre	
41	Dispersing with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (b) Old work (one or more coats)	50.00	Sqm				Per Square Metre	
42	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	Sqm				Per Square Metre	

43	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3(1cement:3sand) including jointing with cement mortar 1:2(1 white cement: 2 marble dust) with an admixture of pigment to match the shade of the marble. 20mm thick white green marble including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.72	Sqm			Per Square Metre	
44	Providing and fixing vitreous China Hind ware IS marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred millimetre)	1.00	Nos			Each	
45	Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.I. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)610 x 510 mm (six hundred ten into five hundred ten millimetre) with bowl depth 200 mm(two hundred millimetre).	1.00	No			Each	
46	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)32 mm(thirty two millimetre) dia	1.00	No			Each	
47	Providing & fixing 32 mm (thirty two millimetre) dia, PVC waste pipe for wash basin or sink including check nut including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
48	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
49	Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
50	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	2.00	Nos			Each	
51	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
52	Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia	3.00	Nos			Each	

53	Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia	1.00	No			Each
54	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each
55	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 450mm length (i) 15mm nominal bore.	4.00	Nos			Each
56	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
57	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
58	Providing and fixing sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
59	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and ovr flow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
60	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 1 SOLID TYPE (a) White plastic seat and cover.	1.00	No			Each
61	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each
	Total					

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.		Estimated Cost:-2,00,000.00	
Name of Work :- Construction of 15mtr. Span T-beam Bridge From Tipra to Jagroli Road Km.0/000 to 6/000 at RD. 2/270 (SH: Preparation of detailed design, drawing and estimate).		Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate
			In figures in words
			Unit
			Amount
1	Preparation of detailed Project report for the work after conduction route Survey of the approved road alignment, collecting the field data from site, Preparation of detail of measurements, estimate, analysis of rates, Cross sections, L-section and plan of road and other drawings of structure such as protection works, cross drainage, dumping site etc. prescribed formats in manuscript shape. After finalization of DPR from higher office, the DPR will be submitted as hard copies in four Bumpers sets and soft copy (DPR to be prepared on PMGSY pattern as per instructions of Govt.) and as per the direction of Engineer-in-Charge complete, for the work.	1.00	Nos
	Complete Job.		Total

Executive Engineer,
Shimla Division No.1,
H.P.W.D Shimla-3.



SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 99,963.00

Name of Work :- A/R & M/O to Cottage No.17 at Brock Hurst Shimla-2 (SH: Renovation of W.C. Steel work and minor repair work in cottage No.17 at Brock Hurst Shimla-2)

Earnest Money :- 2,000.00
Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs (Twenty metres) lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm (Twenty millimetre)	20.84			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.18			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of un-serviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.14			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Of area 3 sq. metres and below	10.00			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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50			Per Square Metre	
7	Disposal of building rubbish / maha / similar un-serviceable, 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.	1.04			Per Cubic Metre	
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement mortar 1 : 4 (1 cement : 4 coarse sand)	12.24			Per Square Metre	
9	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Cement mortar 1:4 (1 cement : 4 coarse sand).	0.41			Per Cubic Metre	

10	Tile work in skirting, risers of steps and dado up to 2 m height over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm. including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 8 mm thick	10.22	Sqm	Per Square Metre
11	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 colours 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 grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.24	Sqm	Per Square Metre
12	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm nominal bore.	18.00	Rmt	Per Running Metre
13	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	60.00	Kgs.	Per Kilo-gram.
14	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)1st class Indian teak wood.	20.00	Rmt	Per Running Metre
15	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)2nd class Deodar wood.	0.030	Cum	Per Cubic Metre
16	Providing and fixing paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enameled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)40mm thick i)2nd Class Deodar Wood.	2.70	Sqm	Per Square Metre
17	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of 1.5. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestory windows including bright finished black enameled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)40mm thick 2nd class deodar wood	1.68	Sqm	Per Square Metre

18	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Ready mixed paint brushing wood primer pink.	30.00	Sqm			Per Square Metre	
19	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	30.00	Sqm			Per Square Metre	
20	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125 mm	4.00	Nos			Each	
21	Providing and fixing anodized aluminium sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm.	2.00	Nos			Each	
22	Providing and fixing aluminium tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	
23	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
24	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100mm	20.00	Nos			Each	
25	Providing and fixing PVC floor trap of self cleaning design with sand cast iron screwed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 75mm nominal diameter	2.00	Nos			Each	
26	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)110 mm dia.	6.00	Rmt			Per Running Metre	
27	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	4.00	Nos			Each	


28	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110mm dia	4.00	Nos			Each
29	Providing and fixing CP Grating for floor and nahi trap complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each
30	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet (One piece)(OP 20 closed Bathence)	1.00	No			Each
31	Providing and fixing wash basin with full pedestal constellation Model cat No.WB WM-25-x and FP 23-A set sharwhite including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
32	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)32 mm(thirty two millimetre) dia	1.00	No			Each
33	Providing & fixing 32 mm (thirty two millimetre) dia, PVC waste pipe for wash basin or sink including check nut including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
34	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
35	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	1.00	No			Each
36	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
37	Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia	1.00	No			Each
38	Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm dia	1.00	No			Each
39	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each

40	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 450mm length (i) 15mm nominal bore.	1.00	No			Each	
41	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
42	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
43	Providing and fixing 600mm x 120mm glass shelf with C.P. Brass brackets and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
44	Providing and fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	1.00	No			Each	
45	Providing and fixing PVC Arcylic corner shelf complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (3no. Sets)	1.00	No			Each	
46	Providing and fixing 600mm x 450mm havelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
47	Providing and fixing plain M.S. Grills of required pattern in steel frames of windows and ventilators etc. with M.S. flats, square or round bars with round headed bolts and nuts etc. or by screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Per Kg.			Per Kilo-gram.	
						Total	

Executive Engineer,

Shimla Division No.1.

PP PWD Shimla-3.



SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 1,62,116.00

Name of Work :- A/R & M/O to various residence quarter under Sub-Division No.VIII Shimla-9 (SH: Repair of Damaged C.G.I. roof House No.2 G.F. and minor repair work in various sets at Brock Hurst Shimla-2).

Earnest Money :- 3,300.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)G.I. Sheet roofing	68.25	Sqm		Per Square Metre	
2	Providing corrugated G.I. sheet roofing vertical /curved surface fixed with polymer coated J ro L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filed with white lead, including a coat of approved steel primer and two coats of approved paint on over lapping of sheets 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 in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63mm thick sheet.	68.25	Sqm		Per Square Metre	
3	Dismantling steel work in single sections including distempering and stacking with 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Channels, angles, tees and flats	1000.00	Kg.		Per Kilogram	
4	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) In gratings, framed guards bars ladders, railing, brackets and similar work. (i)(Through rate)	0.30	Kg.		Per Kilogram.	
	(ii) (Labour rate)	1000.00	Kg.		Per Kilo-gram.	
5	Painting two coats (excluding priming coat)on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign maters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Enamel paint other than white.	50.00	Sqm.		Per Square Metre	
6	Scaffolding in building side wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	165.00	Sqm.		Per Square Metre	

7	Providing ridges or hips 60 cm over all in plain G.I. sheet with galvanised iron J or L hooks, bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63 mm thick sheet	1.80	Rmt			Per Running Metre	
8	Providing valleys 90 cm over all in plain G.I. sheets fixed with galvanised iron J or L hooks, bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63 mm thick sheet	1.20	Rmt			Per Running Metre	
9	Providing flushing 38cm. overall in plain G.I. sheet fixed with galvanised iron. J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63mm thick sheet.	0.80	Rmt			Per Running Metre	
10	Providing and fixing M.S. BP Sheet 1.66mm to 2mm (One point sixty six millimetre to two millimetre) 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 (Base members of steel work shall be measured & paid separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.82	Sqm.			Per Square Metre	
						Total	


Executive Engineer,
Shimla Division No.1,
JHP PWD Shimla-3.

DRAFT SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P., Shimla-3.
Name of Work : - A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Painting and Distemping work in Type-IV set No.4, below Pine set No.3 and Due/Vacation sets at Brock Hurst Kasumpti Shimla-9).
Estimated Cost:- 1,39,200.00
Earrest Money :- 2,800.00
Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	400.00	Sqm	9.00	Per Square Metre	3600
2	Applying Birta 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 in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm	50.00	Per Square Metre	5000
3	Distemping(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface free of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1000.00	Sqm	52.00	Per Square Metre	52000
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint.	500.00	Sqm	65.00	Per Square Metre	32500
	b) With enamel paint other than white.	250.00	Sqm	60.00	Per Square Metre	15000
5	Extra over item for every subsequent coat of paint on wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	250.00	Sqm	40.00	Per Square Metre	10000
	b) With enamel paint other than white.	100.00	Sqm	35.00	Per Square Metre	3500

6	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With white enamel paint.	100.00	Sqm			Per Square Metre
7	Extra over item No. 6 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With white enamel paint	50.00	Sqm			Per Square Metre
8	Applying a coat of mordant solution on G.S. sheet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With a solution of 38 gms of copper acetate in a litre of soft water	100.00	Sqm			Per Square Metre
9	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equal on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre
						Total


 Executive Engineer,
 Shimla Division No.1,
 PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work :--Improvement and widening of road on Sadhora to Mohanpur road Km 0/00 to 6/525 (SH: C/O B/Wall at RD. 1/750 to 1/765).(SCCP)

Estimated Cost:- 2,29,277.00
Earnest Money :- 4,600.00

Time:- 30 Days.

Sr.No.	Description	Qty.	Rates in		Unit	Amount
			Fig's	Words		
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per drawing and Technical Specification Clause 1603.1 including carriage carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	24.15			Per Cubic Metre	
2	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks,(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shorting and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.25			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:6:12(One cement:Six sand:Twelve graded stone agg.40mm (forty millimetre) nominal size).	5.25			Per Cubic Metre	
4	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty millimetre) nominal size).	45.30			Per Cubic Metre	
5	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.	2.10			Per Cubic Metre	

6	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with stop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	Rmt			Per Running Metre	Total
---	--	-------	-----	--	--	-------------------	-------


 Executive Engineer,
 Shimla Division No.1,
 HP PWD SHIMLA-3.

SCHEDULE OF QUANTITY

Estimated Cost:- 4,02,900.00

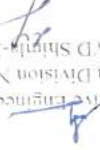
Earnest Money :- 8,100.00

Time:- 30 Days

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No.1, H.P.P.W.D., SHIMLA-3.

Name of Work :- A/R & M/O to various residence quarter under Kasumpti Sub-Division Shimla-2 (SH: P/F Polycarbonate sheet in Boundary of House No.1 at brock Hurst and Covering of balcony in Type-IV set No.22,18,50 etc.).

Sr No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit		Amount
				In words	In figures	
1	Providing and fixing polycarbonated transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.L. Limpet and bitumen rubber washer complete with all accessories at required as per direction of Engineer-in-Charge.	237.00	Sqm	Par Square Metre	Total	


 Executive Engineer,
 Shimla Division No.1,
 H.P.P.W.D Shimla-3

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.	Estimated Cost:- 4,89,914.00
Name of Work :- Special Repair of various residential Qtrs. type-I to VI at Kasumpti Shimla-9(SH:	Earnest Money :- 9,800.00
Reconstruction existing garage No.2,3 & 4 at Kasumpti Shimla).	Time:- Two months

Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated	Rate	Unit	Amount
				In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within all leads of including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) CGI Sheet	102.30	Sqm			Per Square Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	5.40	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)1:3:6 (One Cement ; three coarse sand) : six graded stone aggregate 20 mm (twenty milimetre) nominal size)	9.90	Cum				
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1710.10	Kg.				

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P., W.D., SHIMLA-3.
Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Providing and fixing Pine wood paneling, Cup board work, Repair of damaged PGI gutter, Brick Masonry, Rubbing of Kota Stone, Cleaning of glass and minor repair work in House No.4 Type-VIII at Brock Hurst).
Time:- 60 Days.
Earliest Money :- 7,600.00
Estimated Cost:- 3,78,647.00

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit		Amount
				In figures	In words	
1	Disposal of building rubbish / mamba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	4.00	Cum	Per	Cubic Metre	
2	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 2894, in super structure above plinth and upto floor V level. (1) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	11.20	Sqm	Per	Square Metre	
3	Providing and fixing to wall ceiling and floor galvanized mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) 15mm(fifteen millimetre) nominal bore.	6.00	Rmt	Per	Running 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 in all leads and lifts as per directions of the Engineer-in-charge.(1) Sal wood.	0.10	Cum	Per	Cubic Metre	
5	Providing and fixing plain square edged cover fillets (beading)40mmx12mm (forty millimetre into twelve millimetre) section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (1) 1st class Indian teak wood.	18.00	Rmt	Per	Running Metre	
6	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a)2nd class Decodar wood.	0.02	Cum	Per	Cubic Metre	
7	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm)including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	Nos	Each	Each	
8	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (1) 100mm	4.00	Nos	Each	Each	

9	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm		Per Square Metre
10	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm		Per Square Metre
11	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	1.44	Sqm		Per Square Metre
12	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Nos		Each
13	Providing and fixing square edged cover fillets (Beading) 19mm x 6mm section lining including mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st Class Indian teak wood.	10.00	Rmt		Per Running Metre
14	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 as per directions of the Engineer	1.44	Sqm		Per Square Metre
15	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)Ready mixed paint brushing wood primer pink.	20.00	Sqm		Per Square Metre
16	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)With white enamel paint.	20.00	Sqm		Per Square Metre
17	Providing and fixing Pine wood readymade plain framed panelling with necessary screws priming coat on unexposed surface etc. complete with pine wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.80	Sqm.		Per Square Metre
18	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 12mm thick.	4.80	Sqm		Per Square Metre

19	Providing and fixing 4mm thick teak ply of standard quality and of approved shade & design wall lining including fixing with approved adhesive, butt jointing and nails & screws complete (Base frame work to be measured & paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm			Per Square Metre	
20	Removing old paint or polish from wood and wood based surfaces with paint remover of approved brands and manufacture and making the surface even with including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Blow lamp	50.00	Sqm			Per Square Metre	
21	Applying spirit or oil stains (any colour)on wood and wood based surfaces To given an even surfaces including cleaning the surfaces of all dirt,dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	100.00	Sqm			Per Square Metre	
22	Applying three coat of seclar filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alk1 dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	100.00	Sqm.			Per Square Metre	
23	Providing and fixing plastic bubble water proof sheet for moisture proof complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Sqm			Per Square Metre	
24	Providing and fixing PVC floor trap of self cleaning design with sand cast iron screwed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i) 75mm (seventy five millimetre) nominal diameter	2.00	Nos			Each	
25	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a)110 mm (One hundred ten millimetre) dia.	12.00	Rmt			Per Running Metre	
26	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) 110 mm(One hundred ten millimetre) dia.	2.00	Nos			Each	
27	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 110mm (One hundred ten millimetre)dia	4.00	Nos			Each	

28	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unusable material and transportation of the unusable material for disposing at dumping site (To be arranged 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 fine 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) Any loss to the public and private property, human being, machinery 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)All kinds of soil.	Cum	4.500	Per Cubic Metre				
29	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) : 1:5:10 (One cement : five coarse sand) : ten graded stone aggregate 40 mm(forty millimetre) nominal size)	Cum	4.50	Per Cubic Metre				
30	Providing and laying 80mm thick factory made cement concrete interlocking paver block of M-50 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 fine sand etc. all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Through rate	Sqm	8.00	Per Square Metre				
	(ii) Labour rate	Sqm	4.00	Per Square Metre				
31	Rubbing of old Kota stone slab flooring all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Sqm	106.08	Per Square Metre				
32	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including joining the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. One piece OPC ELEMENT single piece-WC 2205 with UF soft close slim seat cover and all accessories. Hindware	Nos.	2.00	Each				

33	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within all lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) CGI Sheet	60.00	Sqm				Per Square Metre	
34	Scaffolding in building side wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.00	Sqm				Per Square Metre	
35	Providing ridges or hips 60 cm over all in plain G.I. sheet with galvanised iron J or L hooks, bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63 mm thick sheet	2.00	Rmt				Per Running Metre	
36	Providing valleys of 90cm wide over all in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Rmt				Per Running Metre	
37	Providing flushing 38cm. overall in plain G.I. sheet fixed with galvanised iron. J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)0.63mm thick sheet.	2.00	Rmt				Per Running Metre	
38	Providing and fixing M.S. BP Sheet 1.66mm to 2mm 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 & paid separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Sqm				Per Square Metre	
39	Providing and fixing 15cm wide, 45cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	30.00	Sqm				Per Square Metre	
40	Cleaning of window glass with colin, dhoti etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	56.25	Sqm				Per Square Metre	
41	Kota stone slab flooring over 20mm(average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1:4(1cement:4sand)(i) 25mm thick	1.08	Sqm				Per Square Metre	
42	Providing and fixing viking Glass corner complete fixed to wooden plugs with C.P. brass screws make viking including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	12.00	Nos				Each	

43	Providing and fixing viking Glass self complete fixed to wooden plugs with C.P. brass screws make viking including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each
44	Providing and fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)4.0mm thick glass panes.	5.76	Sqm			Per Square Metre
45	Providing and fixing Reflective glass film complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	45.00	Sqm			Per Square Metre
46	Providing and fixing polycarbonated transparent sheet 1.20mm (One point two zero milimetre) thick in roofing with galvanised J or L hooks bots and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required including carriage of materials in all leads and lifts as per directions of the Engineer	32.00	Sqm.			Per Square Metre
						Total

Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 2,20,769.00

NAME OF WORK:- A/R & M/O various residence at Brock Hurst (SH: Providing and laying of BM and BC in internal road to Type-III set No.65 to 88, Cottage No.13,14 repair of road).

Earnest Money :- 4,500.00
Time:- One Month

Sr. No	Description of Work / Item (S)	No. of Qty.	Unit	Estimated Rate		Amount
				In figures	In words	
1	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 Kg./Sqm. (zero point ninety to one point twenty kilogram/square metre) using mechanical means as per Technical Specification Clause 502 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	339.64	Sqm			
2	Providing and applying tack coat with paving Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30Kg. per sqm (zero point two five to zero point three zero kilogram/square metre) on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	339.64	Sqm			
3	Providing and laying bituminous macadam with hot mix plant using crushed aggregates of grading as per Table 500.4 premixed with bituminous binder, transported to site upto a lead of 1000 m (one thousand metre) laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction as per Technical Specification Clause 504 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.19	Cum			
4	Providing and laying 30mm (thirty millimetre) thick bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes(seventy five tonnes) per hour crushed aggregates of specified grading, premixed with bituminous binder @ 5.40 to 5.60 per cent (five point four zero to five point six zero percent) of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.508 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.19	Sqm			
Total						


SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work : -Improvement & Widening on Kawanti to Padhar road Km.0/000 to 2/700 (SH : Widening of curves at Rd. 0/00 to 0/150 (Job No:V4)

Estimated Cost:- 3,87,815.00
Earnest Money :- 7,800.00
Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Cum	Estimated Rate	Unit	Amount
1	Cutting in earth work in by mechanical in all heights and 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 of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.PWD, specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged 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 fine 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 material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation as per the directions of the Engineer-in-Charge. The recovery of stones, wheather use full or not, for 143.95 Cum (One hundred forty three point ninety five cubic metre) @ 300/- (Three hundred) per Cubic metre shall be effected on pro rata bases in all circumstances. Any loss to the public and private propriety, human being, machinery 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.	1439.55			Per Cubic Metre	
Total					Total	


 Executive Engineer,
 Shimla Division No.1,
 HP PWD Shimla

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.W.D., SHIMLA-3.

Estimated Cost:- 4,49,580.00

Name of Work :- A/R & M/O of Garage No. 10 & 20 at Brock Hurst Shimla-2 (SH: Construction of garage No. 10 & 20 at Brock Hurst Shimla-2).

Earnest Money :- 9,000.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within all lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) CGI Sheet	40.92			Per Square Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged 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, fine 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) Any loss to the public and private property, human being, machinery 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. (i)All kinds of soil.	2.916			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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)1:3:6 (one Cement : three coarse sand) : six graded stone aggregate 20 mm(twenty millimetre) nominal size)	5.44			Per Cubic Metre	
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1508.24			Per Kilogram	
5	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)80x0.90 mm (eighty into zero point nine zero millimetre)M.S. laths with 0.90 mm(zero point nine zero millimetre) thick top cover.	19.80			Per Square Metre	

6	Providing and fixing ball bearing for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos				Each	
7	15 mm (fifteen millimetre) cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement Mortar 1:4 (one Cement:four coarse Sand).	164.34	Sqm				Per Square Metre	
8	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm (eight millimetre) diameter with bitumen and G.L. limpet washers or with G.L. 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 purfins, rafters and trusses and including cutting to size and shape wherever required. (i) 0.63 mm zero point six three millimetre) thick with zinc coating not less than 275 gm/ m ²	23.76	Sqm				Per Square Metre	
9	15 mm (fifteen millimetre) cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement Mortar 1:6 (one Cement:six fine Sand).	164.34	Sqm				Per Square Metre	
10	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) New work (two or more coats) over and including water thinnable priming coat with cement primer.	164.34	Sqm				Per Square Metre	
							Total	

Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : **EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.** Estimated Cost : **3,57,300.00**
 Name of Work : **Improvement & Widening on Shoghi Mehli Junga Sadhupul Road Km 12/375 to 43/25 (SH:- C/O Retaining Wall at RD 20/955 to 20/962).** Earnest Money : **7200.00**
 Time :- **30 Days.**

Sl No	Description of Work / Item (S)	No of Qty		Estimated Rate		Unit	Amount
		In figures	In words	In figures	In words		
1	<p>Earth work in excavation for structure in all depths as per drawing and technical specification for rural roads August 2004 clause 405.1 including setting out, construction of shoring and bracing, removal of stumps and other obstructions materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost). Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be duly compensated by him at his on cost in all cases, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.</p>	39.27		Cum		Per Cubic Metre	
2	<p>Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,805,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:1.5 (One cement: five sand: Ten graded stone age:40mm (forty millimetre) nominal size).</p>	3.71		Cum		Per Cubic Metre	
3	<p>Providing and laying concrete for plain reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone age:20mm (twenty millimetre) nominal size).</p>	66.50		Cum		Per Cubic Metre	
4	<p>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.</p>	13.44		Cum		Per Cubic Metre	

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 99,493.00

Name of Work :- A/R & M/O to various residential qtr. at Kasumpti Shimla-9 (SH: Renovation of Kitchen, Painting/Distempering and minor repair. work in Type-III set No.159 at Kasumpti Shimla-9).

Earnest Money :- 2,000.00

Painting/Distempering and minor repair. work in Type-III set No.159 at Kasumpti Shimla-9).

Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No of Qty.	Unit	Estimated Rate		Amount
				In figures	In words	
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty millimetre)	18.62	Sqm			
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty)metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6(One cement :three sand: six graded stone aggregate) (one or richer mix (i/c equivalent design mix).	0.43	Cum			
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 (fifty)metres lead as per direction of Engineer - in-charge.	0.07	Cum			
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of un-serviceable material within 50(fifty) metres lead as per direction of Engineer-in-charge. (i) In cement mortar.	0.07	Cum			
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (I) Of area 3 sq. metres(three square metre) and below	2.00	Nos			
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(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			
7	Disposal of building rubbish / malba / similar un-serviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead. for all leads including all lifts involved.	0.93	Cum			

8	Per Square Metre	0.36	Sqm	IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.
9	Per Cubic Metre	0.05	Cum	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5(seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in:(i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.
10	Per Square Metre	15.73	Sqm	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve millimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm (eight millimetre) thick
11	Per Square Metre	4.47	Sqm	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred millimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty millimetre)thick cement mortar 1:4 (one Cement: four 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 in all leads and lifts as per directions of the Engineer-in-Charge.
12	Per Square Metre	3.18	Sqm	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 (twenty millimetre) thick cement mortar 1:4 (One cement : four 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 in all leads and lifts as per directions of the Engineer-in-Charge.(i) Size of tile 600x600mm (six hundred into six hundred millimetre)
13	Per Running Metre	6.00	Rmt	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen millimetre) nominal bore.
14	Per Square Metre	0.72	Sqm	Centering and shuttering including strutting, propping etc. and removal of form for including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)

15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (1) Mild steel and Medium Tensile steel bars	5.54	Kg	Per Kilo-gram	
16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to five five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One part five coarse sand) : three graded stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum	Per Cubic Metre	
17	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 2nd class Deodar wood.	0.025	Cum	Per Cubic Metre	
18	Providing and fixing paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enameled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick (1) 2nd Class Deodar Wood.	1.35	Sqm	Per Square Metre	
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestory windows including bright finished black enameled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 40mm thick 2nd class deodar wood	0.26	Sqm	Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm	Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm	Per Square Metre	

22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 125mm	4.00	Nos				Each	
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	2.00	Nos				Each	
24	Providing and fixing aluminium tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos				Each	
25	Providing and fixing bright finished or/ and black enamelled iron (Helical door spring 150mm) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos				Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 100 mm	5.00	Nos				Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.40	Sqm				Per Square Metre	
28	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillers to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	3.60	Sqm				Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.60	Sqm				Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.00	Nos				Each	
31	Providing and fixing square edges cover fillers (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	10.00	Rmt				Per Running Metre	

32	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 as per directions of the Engineer-in-Charge.	5.40	Sqm	Per Square Metre	
33	Providing and fixing cast iron floor trap of self cleaning design with sand cast iron crewed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 75mm nominal diameter	3.00	Nos	Each	
34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) 110 mm dia.	6.00	Rmt	Per Running Metre	
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia	2.00	Nos	Each	
36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)110mm dia	2.00	Nos	Each	
37	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With white enamel paint. b) With enamel paint other than white	50.00	Sqm	Per Square Metre	
38	Extra over item No.37 for every subsequent coat of paint on previously painted wood and wood based surfaces with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With white enamel paint. b) With enamel paint other than white	25.00	Sqm.	Per Square Metre	
39	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint	10.00	Sqm	Per Square Metre	

40	Per Square Metre	5.00	Sqm		Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint
41	Per Square Metre	50.00	Sqm		Disitemper(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface lean of all greases, dirt, loose pieces of scales and also including prepping the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
42	Per Square Metre	50.00	Sqm		Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
43	Each	1.00	No		Providing and fixing vitreous China Hind ware IS marked IS No. 256 or equivalent wash basin with single hole for pillar tap with C.L. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred millimetre)
44	Each	1.00	No		Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.L. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting. (a) 610 x 510 mm (six hundred ten into five hundred ten millimetre) with bowl depth 200 mm (two hundred millimetre).
45	Each	1.00	No		Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 32 mm (thirty two millimetre) dia
46	Each	1.00	No		Providing & fixing 32 mm (thirty two millimetre) dia. PVC waste pipe for wash basin or sink including check nut including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
47	Each	4.00	Nos		Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
48	Each	1.00	No		Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
49	Each	2.00	Nos		Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm
50	Each	2.00	Nos		Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
51	Each	3.00	Nos		Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia
52	Each	1.00	No		Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia



53	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos.	Each	
54	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 450mm length (i) 15mm nominal bore.	4.00	Nos.	Each	
55	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No	Each	
56	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No	Each	
57	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No	Each	
58	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 1 SOLID TYPE A) White plastic seat and cover.	1.00	No	Each	
59	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No	Each	
	Total				

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.		Estimated Cost:- 80,842.00			
Name of Work :- A/R & M/O Type-I to VI at Mehli Shimla (SH: Repair of damaged flooring and replace of Kitchen and Bath pipe line in Transit accommodation at Block 1 and 2 Mehli Kasumpti Shimla).		Earnest Money :- 1,700.00			
Time:- 30 Days					
Sr. No	Description of Work / Item (S)	Estimated Rate		Unit	Amount
		No. of Qty.	In figures In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	9.45	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	9.45	Cum	Per Cubic Metre	
3	Cement concrete flooring 1:2:4 (1 cement : 2 sand:4 graded stone aggregate 20 mm nominal size)laid in one layer finished with a floating coat of neat Cement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 40mm thick	60.00	Sqm	Per Square Metre	
4	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)110 mm dia.	35.00	Rmt	Per Running Metre	
5	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)110mm dia.	12.00	Nos	Each	
6	Providing and fixing PVC Tee reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm dia.	12.00	Nos	Each	
7	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)110 mm (one hundred ten millimetre) dia	12.00	Nos	Each	
8	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 110 mm dia.	2.00	Nos	Each	
				Total	

Executive Engineer,

Shimla Division No.I,

H.P.P.W.D Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:-1,46,004.00

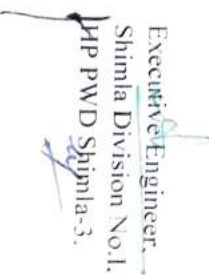
Name of Work : - Metallig Tarring and maintenance of road in Shimla Town (SH: P/L Painting and white

Earnest Money :- 3,000.00

washing of Auckland tunnel of side walls)

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	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 in all leads and lifts as per directions of the Engineer-in-Charge.	757.20	Sqm		Per Square Metre	
2	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlibed on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	757.20	Sqm		Per Square Metre	
3	Applying one coat of Acrylic primer (Spectrum or equivalent of Superior quality) on new concrete/masonry/plastered surfaces after and including preparing the surface by thoroughly brushing the surface free from mortar droppng and other foreign matters, sand papering the surface smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	757.20	Sqm		Per Square Metre	
4	Providing and fixing scaffolding for painting distempering work in all heights of building etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	144.00	Sqm		Per Square Metre	
					Total	


 Executive Engineer,
 Shimla Division No.1,
 H.P PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.W.D., SHIMLA-3.

Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Painting and Distemping work in Servant Qtr.No.1 to 26 and Due/Vacation sets at Brock Hurst Kasumpt Shimla-9).

Estimated Cost:-1,35,684.00

Earnest Money :- 2,800.00

Time:- 60 Days.

Sr No	Description of Work / Item (S)	No of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	400.00	Sqm	Per Square Metre		
2	Applying Barla 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 in all leads and lifts as per directions of the Engineer-in-Charge.	500.00	Sqm	Per Square Metre		
3	Distemping(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade,decorated wall surfaces to give an even shade,after thoroughly brushing the surface lean of all grease,dirt,loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1000.00	Sqm	Per Square Metre		
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) With white enamel paint	500.00	Sqm	Per Square Metre		
	b) With enamel paint other than white.	250.00	Sqm	Per Square Metre		
5	Extra over item for every subsequent coat of paint on wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	250.00	Sqm	Per Square Metre		
	b) With enamel paint other than white.	100.00	Sqm	Per Square Metre		
6	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With white enamel paint	100.00	Sqm	Per Square Metre		

7	Extra over item No. 6 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With white enamel paint	50.00	Sqm				Per Square Metre	
8	Applying a coat of mordant solution on G.S. sheet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With a solution of 38 gms of copper acetate in a litre of soft water	100.00	Sqm				Per Square Metre	
9	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equariled on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm				Per Square Metre	
	Total							


 Executive Engineer,
 Shimla Division No.1,
 PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.


Estimated Cost:- 1,13,695.00

Name of Work :- Improvement and widening of road on Mashobra to Bhakhality road Km 0/00 to 18/360 (SH: Cutting earth work of widening of curves in Km. 16/660 to 16/690 and 10/070 to 10/092).

Earnest Money :- 2,300.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Cum	Estimated Rate	Unit	Amount	
				In figures			In words
1	Cutting in earth work in by mechanical in all heights and 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 of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.P.W.D. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged 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 fine 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 material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation as per the directions of the Engineer-in-Charge. The recovery of stones, wheather use full or not, for 140.68 Cum (One hundred forty point sixty eight cubic metre) @ ₹44 (₹42) hundred seventy) per Cubic metre shall be effected on pro rata bases in all circumstances. Any loss to the public and private property, human being, machinery 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.	422.03			Per Cubic Metre		
Total							


 Executive Engineer,
 Shimla Division No.1,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Name of Work :- Special Repair to Type-V set No.11 at Kasumpti Shimla-9 (SH: Providing and fixing

Estimated Cost:- 3,83,069.00

Earnest Money :- 7,700.00

Time:- 60 Days.

repair work in Type-V set No.11 at Kasumpti Shimla-9).

Sr. No	Description of Work / Item (S)	No. of Qty	Estimated Rate	Unit		Amount
				In figures	In words	
1	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement mortar 1 : 4 (1 cement : 4 coarse sand)	12.24	Sqm		Per Square Metre	
2	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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement mortar 1 : 4 (1 cement : 4 coarse sand).	0.41	Cum		Per Cubic Metre	
3	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) In gratings, framed guards bars ladders, railing, brackets and similar	252.61	Kgs.		Per Kilo-gram	
4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc, complete as per the architectural drawings in basic item) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	28.66	Sqm		Per Square Metre	
5	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg. for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc, complete as per the direction of Engineer-in-charge. (i) With stainless steel cover plate minimum 1.25 mm thickness	2.00	Nos		Each	
6	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc, complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No		Each	

7	Providing and fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Anodized (AC 15) aluminium	10.00	Nos			Each	
8	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge. (i) Anodized (AC 15) aluminium	4.00	Nos			Each	
9	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).	2.16	Kgs.			Per Kilo-gram	
10	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540- F & ISO 11600.(i) Upto 10 mm depth and 10 mm width	6.00	Rmt			Per Running Metre	
11	Providing and fixing ACP sheet in door shutters with PVC/Neoprens 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) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.95	Sqm			Per Square Metre	
12	Providing and fixing 1.50mm thick PVC antistatic vinyl Flooring plain or coloured,carbed or mosaic/metalled finish laid with approved adhesive on sub-floor/damp proofing treatment to be paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. MAKE LG	35.66	Sqm			Per Square Metre	
13	Providing and fixing non woven carpet (Unitex) of superior quality in all shade and colour of approved sample having 3.8mm thickness and 900 grams weight per square meter laid on floor with approved adhesive complete in all respect including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
14	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 in all leads and lifts as per directions of the Engineer-in-Charge.	0.03	Cum			Per Cubic Metre	

15	Providing and fixing byson board ceiling of approved quality with butt jointing and wood screws (frame work and cover filllets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 9mm thick	Sqm	3.60	Per Square			
16	Providing and fixing plain square edged cover filllets (beading)40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1st class Indian teak wood.	Rmt	10.00	Per Running Metre			
17	Providing woodwork in frames of doors,windows,clorestory,windows and other frames wrought, framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)2nd class deodar wood.	Cum	0.03	Per Cubic Metre			
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clorestory windws. Including black enamelled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick (i)2nd class deodar wood.	Sqm	1.35	Per Square Metre			
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clorestory windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 40mm thick 2nd class deodar wood.	Sqm	0.42	Per Square Metre			
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Ready mixed paint brushing wood primer pink.	Sqm	10.00	Per Square Metre			
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint.	Sqm	10.00	Per Square Metre			
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125 mm	Nos	4.00	Each			
23	Providing and fixing anodized aluminium sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	Nos	2.00	Each			

24	Providing and fixing aluminium tower bolts/barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100mm	20.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.80	Sqm			Per Square Metre	
28	Providing and fixing ply wood lining with butt joining and nails (frame work and cover filllets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	9.00	Sqm			Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Sqm			Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Nos			Each	
31	Providing and fixing square edges cover filllets (beading) 19mmx6mm (Nineteen millimetre into six millimetre) section including mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)1st class Indian teak wood	50.00	Rmt			Per Running Metre	
32	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sumnica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Sqm			Per Square Metre	
33	Providing and fixing Pine wood readymade plain framed panelling with necessary screws priming coat on unexposed surface etc. complete with pine wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	41.05	Sqm.			Per Square Metre	

34	Providing and fixing Ply wood lining with butt jointing and wood screws or nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 9 mm thick.	41.05	Sqm			Per Square Metre	
35	Providing and fixing 4mm thick teek ply of standard quality and of approved shade & design wall lining including fixing with approved adhesive, butt jointing and nails & screws complete (Base frame work to be measured & paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.44	Sqm.			Per Square Metre	
36	Removing old paint or polish from wood and wood based surfaces with paint remover of approved brands and manufacture and making the surface even with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Blow lamp	50.00	Sqm			Per Square Metre	
37	Applying spirit or oil stains (any colour) on wood and wood based surfaces to given an even surfaces including cleaning the surfaces of all dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	41.05	Sqm			Per Square Metre	
38	Applying three coat of seclar filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alk dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	41.05	Sqm.			Per Square Metre	
39	Providing and fixing plastic bubble water proof sheet for moisture proof complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	41.05	Sqm			Per Square Metre	
40	Providing and fixing PVC floor trap of self cleaning design with sand cast iron screwed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 75mm nominal diameter	5.00	Nos			Each	
41	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	12.00	Rmt			Per Running Metre	
42	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	4.00	Nos			Each	
43	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110mm dia	4.00	Nos			Each	

44	Painting one coat(excluding priming coat)on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt,dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)With white enamel paint.	150.00	Sqm.			Per Square Metre	
	ii) With enamel paint other than white.	100.00	Sqm.			Per Square Metre	
45	Extra over item No. 44 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)With white enamel paint	75.00	Sqm.			Per Square Metre	
	ii) With enamel paint other than white.	50.00	Sqm.			Per Square Metre	
46	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	100.00	Sqm			Per Square Metre	
47	Extra over item No.46 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint	50.00	Sqm			Per Square Metre	
48	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its eqarried on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	300.00	Sqm			Per Square Metre	
49	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papared smooth and including a coat of wood filler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre	

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 1,22,851.00

Name of Work :- A/R & M/O to various residence qtr. at Brock Hurst Shimla-2 (SH: Renovation of Toilet

Earnest Money :- 2,500.00

Bath, Kitchen and minor repair work in type-III set No.56 at Brock Hurst Shimla-9)

Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Unit	Amount	Estimated Rate	
					In figures	In words
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtres.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty millimetre)	33.92	Sqm			Per Square Metre
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43	Cum			Per Cubic Metre
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum			Per Cubic Metre
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of un-serviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Of area 3 sq. metres and below	2.00	Nos			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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre
7	Disposal of building rubbish / malba / similar un-serviceable, 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.	1.49	Cum			Per Cubic Metre
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm			Per Square Metre
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5(seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in.(i) Cement mortar 1:4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre

10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete, including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight milimetre) thick	7.93	Sqm			Per Square Metre	
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre)thick cement mortar 1:4 (one Cement: four 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 in all leads and lifts as per directions of the Engineer-in-Charge.	2.47	Sqm			Per Square Metre	
12	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 (twenty milimetre) thick cement mortar 1:4 (One cement : four 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 in all leads and lifts as per directions of the Engineer-in-Charge.(i) Size of tile 600x600mm (six hundred into six hundred milimetre)	4.88	Sqm			Per Square Metre	
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	6.00	Rmt			Per Running Metre	
14	Centering and shuttering including strutting, propping etc. and removal of form for : including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)	1.44	Sqm			Per Square Metre	
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	11.09	Kg.			Per Kilo-gram	


16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjias, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three rated stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.10	Cum			Per Cubic Metre	
17	Providing woodwork in frames of doors,windows,clerestory,windows and other frames wrought, framed and fixed in position.2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.02	Cum			Per Cubic Metre	
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws.40mm (forty millimetre) thick.2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.30	Sqm			Per Square Metre	
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws.40 mm(forty millimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.53	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knoting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos			Each	
23	Providing and fixing anodized aluminium sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	2.00	Nos			Each	
24	Providing and fixing aluminium tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	

25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty millimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.80	Sqm			Per Square Metre	
28	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	16.20	Sqm			Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.20	Sqm			Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.00	Nos			Each	
31	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	10.00	Rmt			Per Running Metre	
32	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sumnica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.80	Sqm			Per Square Metre	
33	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 in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 75 mm.	3.00	Nos			Each	
34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	6.00	Rmt			Per Running Metre	
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos			Each	

36	Each	2.00	Nos	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. Engineer-in-Charge.(a) 10 mm (one hundred ten millimetre) dia
37	Per Square Metre	100.00	Sqm	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papring and stoping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.
	Per Square Metre	50.00	Sqm	b) With enamel paint other than white
38	Per Square Metre	50.00	Sqm.	Extra over item No.37 for every subsequent coat of paint on previously painted wood and wood based surfaces with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.
	Per Square Metre	25.00	Sqm.	b)With enamel paint other then white
39	Per Square Metre	50.00	Sqm	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint
40	Per Square Metre	5.00	Sqm	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint
41	Per Square Metre	75.00	Sqm	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)
42	Per Square Metre	200.00	Sqm	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papring and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
43	Per Square Metre	1.44	Sqm	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3:(cement:sand) including jointing with cement mortar 1:2:(white cement: white green marble) with an admixture of pigment to match the shade of the marble. 20mm thick cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.
44	Each	1.00	Nos	Providing and fixing vitreous China Hind ware ISI marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred millimetre)

45	Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.L. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)610 x 510 mm (six hundred ten into five hundred ten millimetre) with bowl depth 200 mm(two hundred millimetre).	No	1.00	No	Each
46	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)32 mm(thirty two millimetre) dia	No	1.00	No	Each
47	Providing & fixing 32 mm (thirty two millimetre) dia, PVC waste pipe for wash basin or sink including check nut including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	No	1.00	No	Each
48	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Nos	4.00	Nos	Each
49	Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Nos	1.00	Nos	Each
50	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	Nos	2.00	Nos	Each
51	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Nos	2.00	Nos	Each
52	Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 15mm dia	Nos	3.00	Nos	Each
53	Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 15mm dia	No	1.00	No	Each
54	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Nos	4.00	Nos	Each
55	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 45cms length (i)	Nos	4.00	Nos	Each
56	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	No	1.00	No	Each
57	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	No	1.00	No	Each
58	Providing and fixing sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	No	1.00	No	Each

59	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float,with push button,couplings for connections with inlet, outlet and ovr flow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No		Each	
60	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 1 SOLID TYPE (a) White plastic seat and cover.	1.00	No		Each	
61	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No		Each	
62	Providing and fixing 1.50mm thick PVC antistatic vinyl Flooring plain or coloured, carbed or mosaic/metalled finish laid with approved adhesive on sub-floor (damp proofing treatment to be paid for separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. MAKE LG	8.00	Sqm		Per Square Metre	
					Total	


 Executive Engineer,
 Shimla Division No.1,
 J.P.PWD Shimla-3.