

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

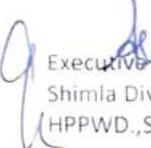
Enclosed please find herewith the tender Notice of work as given in the Notice Inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW (B)A(3)1/2020 dated Shimla-2 the 16th July 2021 as the works mentioned in the tender notice 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 Distempering 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 Distempering 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 /Distempering 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 Distempering 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.1,3,14 repair of road).	220769/-	4500/-	350/-	30 days	Class-D
22	Improvement & widening on Kawant to Pather road km. 0/00 to 2/700 (Widening of curve at RD. 0/00 to 0/150).	382815/-	7800/-	350/-	30 days	Class-D
23	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).	449580/-	9000/-	350/-	30 days	Class-D
24	Improvement & Widening on Sogati Mehl Jungs Sardulup road km. 12/375 to 48/925 (SH- C/0) Retaining wall at RD. 20/955 to 20/962).	357300/-	7200/-	350/-	30 days	Class-D
25	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).	99493/-	2000/-	350/-	60 days	Class-D
26	A/R & M/O type-1 to VI at Mehl Shimla (SH); Repair of damaged flooring and replace of kitchen and bath pipe line in Transit accommodation at Block 1 and 2 Mehl kasumpti Shimla).	80842/-	1700/-	350/-	30 days	Class-D
27	Metaling, Tarring and maintenance of road in Shimla Town (SH); P/L Painting and white washing of Auckland tunnel of side walls).	145004/-	3000/-	350/-	30 days	Class-D
28	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH); Painting and Distempering work in servant Qtrs. No.1 to 26 and Due/Vacation sets at Brock Hurst Kasumpti Shimla-9).	135684/-	2800/-	350/-	60 days	Class-D
29	Improvement and widening of road on Mashobra to Bhakhali road km. 0/00 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 Shimla-9 (SH); Providing and fixing aluminium 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 Shimla-9).	383069/-	7700/-	350/-	60 days	Class-D
31	A/R & M/O to various residence qtrs at Brock Hurst Shimla-2 (SH); 'Renovation of toilet bath kitchens and minor repair work in type-III set No.56 at Brock Hurst kasumpti Shimla-9).	122851/-	2500/-	350/-	60 days	Class-D

It is clarified 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/firms who fulfill the following documents with the application.

1. The valid enlistment/BRegistration of contractor in Appropriate Class.
2. Permanent account No. (PAN NO).
3. G.S.T No.
4. 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 pleaded in favour of the Executive Engineer Shimla Division No-1 HPPWD Shimla.
5. 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.
6. The officer of the tender shall remain valid up to 75 day after the opening of tender.
7. Ambiguous/telephonic /conditional tenders or tender by fax/f mail shall not be considered and will be summarily be rejected.
8. Executive Engineer reserve the right to cancel any or all tenders without assigning any reasons.
9. If the date given above happens to be holiday the same shall be precrossed on next working day.
10. The Contractor/firms must quote their rates in words as well as in figures failing which EXN reserve the right to accept/reject any or all tenders.
11. 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.
12. One Contractor shall not have more than two major works in hand at a time.
13. Work should be completed by the contractor within stipulated period.

No.PW-SD-1/GB-Tender/21-22. **23362-26**
Copy forwarded to :-
1. Copy to the Deputy Commissioner Shimla Distt. Shimla.
2. Copy to the Executive Engineer Shimla Division No-1 HPPWD Shimla.
3. Copy to the Sub Divisional Magistrate (U) Shimla.
4. Copy to the Sub Divisional Magistrate (H) Shimla.
5. Copy to Municipal Committee Shimla Distt. Shimla.
6. Copy to Block Development officer Mashobra Distt. Shimla.
7. All the Assistant Engineers under this Division, H.P.M.D Shimla-3.
8. Superintendent / H.O.M / D.A.O.
9. Notice Board.


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

9
Executive Engineer,
Shimla Division No-1,
HPPWD, Shimla-3.
Dated : 17 - 2.4.22

No.	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit	Amount
1	Removal of dry oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	544.14	Sqdm	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	Sqdm	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	Sqdm	Per Square Metre	
4	Distempering 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. (ii) New work (two or more coats) over and including water thinnable priming coat with cement primer.	818.00	Sqdm	Per Square Metre	
5	Painting with synthetic enamel 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.	423.48	Sqdm	Per Square Metre	

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

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

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:- 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
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.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit	Amount
1	Providing and fixing Glazing in aluminium door window, ventilator shutters and partition etc with PVC/meoprene gasket etc complete as per the architectural drawing and the direction of Engineer in-Charge (the cost of aluminium snap beadings as per directions of the Engineer in-Charge (1) Glazing with glass panes of 500 mm thickness (weight not less than 13.75 kg per Square metre)	58.00	Rs/m	Per	Square Metre

No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit	Amount
2	Providing and fixing double action hydraulic floor spring of approved brand and manufacturer (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors and cost of plates etc complete as per the direction of Engineer-in-Charge (2) Glazing good the floors	25.00	Nos	Each	

No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit	Amount
3	Providing and fixing double action hydraulic floor spring of approved brand and manufacturer (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors and cost of plates etc complete as per the direction of Engineer-in-Charge (3) Glazing good the floors	25.00	Nos	Each	

No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit	Amount
4	Providing and fixing Acrylic sheet in door shutters with PVC meoprene gasket etc complete as per the architectural drawings and the directions of Engineer-in-Charge (cost of aluminium snap beadings shall be paid in base item) including carriage of materials in all leads and lites as per directions of the Engineer-in-Charge	25.00	Rs/m	Per	Square Metre

Shimla Division No.1
Executive Engineer
HPWD Shimla-3.

S. No.	Description	Quantity	Unit	Notes	Each	Total
9	Providing and fixing aluminum handles andized transparment 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)	20.00	Nos			
8	Providing and fixing aluminum handles andized M.S. wire gauge of IS gauge designation 85 g with wire of dia 0.56 mm to windows and clerestory windows including 60x20 mm	10.00	Sqm.		Per Square Metre	
7	Providing and fixing andized aluminum sliding door bolts andized 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 .	10.00	Nos		Each	
6	Providing and fixing aluminum handles andized transparment 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) 200 mm	20.00	Nos		Each	

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).

Sr. No Description of Work / Item (S)

No of Qty.

**Estimated Rate
In figures In words**

Unit

Amount

**Estimated Cost:-1,11,185.00
Earnest Money :- 2,300.00**

Time:- 30

Days.

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)	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 unservicicable 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 unservicicable 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 / malfa / similar unservicicable, 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	Halfbrick 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

10	Brick walls with courses with common built clay P.S. (non modular) bricks of class designation 7.5 (seventeen parts five) in superstructure above plinth level up to floor V level in all shapes and sizes (i.e.) 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
11	Provide work in skirring, ticsers 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 and jointed with grey cement slurry @ 3.3 kg/sqm quality conforming to IS : 15622, of approved manufacturer, of IS quality conforming to IS : 15622, of approved manufacturer, of IS quality conforming to IS : 15622, of approved manufacturer (thickened mortar 1:4, Grey, Fume Red Brown, laid on 20 mm (twenty millimetre) thick cement mortar 1:4 (one coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grooving 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.	11.94	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 manufacturer, in all colours and shades, laid on 20mm (twenty mm hundreded into six hundreded millimetre) thick cement mortar 1:4 (One cement : four coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grooving 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.	6.35	Sqm	Per Square Metre
13	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) 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. (b)	12.00	Rmt	Per Running Metre
14	Centring and shoring including structuring, 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) Mild steel and Medium Tension steel steel bars	1.80	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. (ii) Mild steel and Medium	13.86	Kg.	Per Kilogram

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 raded stone aggregate 20 mm (twenty milimetre) 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 milimetre) 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 milimetre) for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws, 40 mm (forty milimetre) 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 millimetre)	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 mateirals in all leads and lifts as per directions of the Engineer-in-Charge.(a)10 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 mateirals in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos			Each	

3)	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) i 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-I, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 2,53,537.00	
Name of Work :- Restoration opf 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
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 In figures	Per Cubic Metre In words	
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 bottoms 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.	2.00	Cum	Per Cubic Metre	

3	Providing weapholes in brick masonry / stone masonry / plain reinforced concrete abutment, wing wall, return wall with 100 mm (One hundred millimetre) dia PVC pipe excavating through the full width of the structures with slope of 1(v):20(H) towards drawing complete as per drawing and technical specification clauses 61A, 709, 1204.3.7.7 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	Per running Metre	Per running Metre	20.00	Rmt	25.00	Cum	25.00	Per nominal mix	1:36: (Lemeni: 3: sand: 6: graded stone aggregate for 40 mm nominal size for plain/reinforced concrete in open foundation and pillars of similar works complete including the cost of form work in hauling of materials in all leads and lifts as per the same instructions and direction of Engineer-in-Charge.	4
4	Providing and laying concrete mechanically mixed and vibrated P.C.C. M-10 nominal mix 1:36: (Lemeni: 3: sand: 6: graded stone aggregate for 40 mm nominal size for plain/reinforced concrete in open foundation and pillars of similar works complete including the cost of form work in hauling of materials in all leads and lifts as per the same instructions and direction of Engineer-in-Charge.	Per Cubic Metre	Per Cubic Metre	25.00	Cum	25.00	Cum	25.00	Per nominal mix	1:36: (Lemeni: 3: sand: 6: graded stone aggregate for 40 mm nominal size for plain/reinforced concrete in open foundation and pillars of similar works complete including the cost of form work in hauling of materials in all leads and lifts as per the same instructions and direction of Engineer-in-Charge.	5
5	Steel work welded in built up sections/ framed work, including cutting, 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 in-charge. (ii) In the cost of work in single sections including distempering and striking with 50 metres lead including steel work in even leads and lifts as per the directions of the Engineer-in-Charge. (iii) Chamels, angles, tees and flas.	Per Kilotogram	Per Kilotogram	300.00	Kg.	300.00	Kg.	300.00	Per Kilotogram	6	
6	Dismantling steel work in single sections including distempering and striking with 50 metres lead including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge. (i) Chamels, angles, tees and flas.	Per Kilotogram	Per Kilotogram	300.00	Kg.	300.00	Kg.	300.00	Per Kilotogram	7	
7	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brush in to give an even shade to the cleaning the surface of all dirt, dust and other foreign materials including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	Per Square Metre	Per Square Metre	100.00	Sqm.	100.00	Sqm.	100.00	Per Square Metre	8	
8	Providing and fixing poly-carbonated sheet 1.20 mm 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.	Per Square Metre	Per Square Metre	75.00	Sqm.	75.00	Sqm.	75.00	Per Square Metre	9	

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
No.	Description of Work / Item (S)	Estimated Rate	Unit	Amount	In Figures	In words
1	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 damage to adjoining building high tension hide or telephone lines as per the directions of the Engineer-in-Charge.	2.00	Nos	Each		
2	Removal of fallen green or dry dia by cutting into the appropriate pieces from top to bottom so that it may not damage to adjoining building high tension hide or telephone lines as per the directions of the Engineer-in-Charge.	1.00	Nos	Each		
3	Conversion of number of logs into the appropriate pieces as per the directions of the Engineer-in-Charge.	2.00	Cum	Per cubic Metre		
4	Conversion of logs into fuel wood into appropriate pieces as per the directions of the Engineer-in-Charge.	2000.00	Kgs.	Per Kilogram		
5	Conversion of logs into fuel wood into appropriate pieces as per the directions of the Engineer-in-Charge.	10000.00	Kgs.	Per Kilogram		
6	Looping of Standing green tree complete as per direction of Engineer-in-Charge	8.00	Nos	Each		
7	Carriage of materials from site of work to PWD store as per the directions of the Engineer-in-Charge.	2.00	Cum	Per cubic Metre		

SCHEDULE OF QUANTITY

Name of Work : AR/ MO to SET NO 158, 140 and 141 type III at Kasumpati Shimla-2 (SH: Providing and fixing Earrest Money :-2,000.00
Name of Work : EXECUTIVE ENGINEER SHIMLA DIVISION NO-1, H.P.W.D., SHIMLA-3. Estimated Cost :-98,980.00
S/ No Description of Work / Item (S) No. of Qty. Estimated Rate Unit Amount
1 Providing and fixing 6 mm thick Ply wood flooring with butt jointing and nails complete in all leads and lifts as per directions of the Engineer-in-Charge.
2 Providing and fixing 1.5 mm thick PVC/rubber tiles flooring plain, coloured, corbed or mosaic or mattel 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.

S/ No	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit	Amount
1	Providing and fixing 6 mm thick Ply wood flooring with butt jointing and nails complete in all leads and lifts as per directions of the Engineer-in-Charge.	25.00	Sqm	per Square Metre	0
2	Providing and fixing 1.5 mm thick PVC/rubber tiles flooring plain, coloured, corbed or mosaic or mattel 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.	80.00	Sqm	per Square Metre	0

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

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SCHEDULE OF QUANTITY						
No	Descriptive of Work / Item (S)	No of Qty.	Estimated Rate	Unit	Amount	No
1	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.	3	4	5	6	7
1	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.	368.86	Kgs.	Per Kilogram		
2	Providing and fixing 0.60mm thick pre-painted steel sheet in roofing with hot dipped metallic zinc coating of 20 microns over 3 microns primer coating to back coat of polyester (RNP) organic coating of 20 microns over 3 microns primer coating in main and cross joists of beams, hip and jack rafters, flutes with connecting plates or angle cleats as in beams joists channels, angles, etc. flutes with connecting plates or angle cleats as in the like.	47.92	Sqm	Per Square Metre		
2	Providing and fixing 0.60mm thick pre-painted steel sheet with hot dipped metallic zinc coating of 20 microns over 3 microns primer coating to back coat of polyester (RNP) organic coating of 20 microns over 3 microns primer coating in main and cross joists of beams, hip and jack rafters, flutes with connecting plates or angle cleats as in beams joists channels, angles, etc. flutes with connecting plates or angle cleats as in the like.	22.10	Rmt	Per Running Metre		
3	Providing and fixing 0.60mm thick pre-painted sheet in roofing with hot dipped metallic zinc coating of 20 microns over 3 microns primer coating to back coat of polyester (RNP) organic coating of 20 microns over 3 microns primer coating in main and cross joists of beams, hip and jack rafters, flutes with connecting plates or angle cleats as in beams joists channels, angles, etc. flutes with connecting plates or angle cleats as in the like.	15.47	Sqm	Per Square Metre		
4	Providing and fixing M.S.B.P. sheet in caves board / ornamental facia / softfit & ceiling including cutting, welding and applying a coat of red lead primer etc. complete including carriage of materials in all leads and lifts as per direction of Engineer-in-Charge.	15.47	Sqm	Per Square Metre		
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - two or more coats on new work including carriage of materials in all leads and lifts as per direction of Engineer-in-Charge.	15.47	Sqm	Per Square Metre		

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, culvers, 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 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.	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 towards 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-3

S.No	Name of Work :- AIR & M/O Trial Bhawan at Dhali Shimpla (Old Building) (S.H:- Painting and Distempering in Basement floor).	Estimate Money :- 2000.00	Estimate Cost :- 99,166.00	SCHEDULE OF QUANTITY			Unit	Amount
				Qty.	Rate in Rs.	Unit		
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 manufacturer, 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	830.25	Rs/m		Per Square Metre			
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 manufacturer, 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	85.40	Rs/m		Per Square Metre			
2	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade and carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	290.58	Rs/m		Per Square Metre			
3	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	249.07	Rs/m		Per Square Metre			
4	Removing dry or oil bound distemper, water proofing cement paint and the like by scraping sand and peeling the surface smooth including necessary repeat to remove scorches etc complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge							

(a) If PWD Shimpla
Shimpla Division No.1
Executive Engineer
Signature

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 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).

Estimated Cost:- 99,804.00
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	<p>Earth work in excavation for structure in all depths as per drawing and technical specification for rural roads August 2004 clause 305.1 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 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>	10.00	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 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge;(a) Cement Mortar 1:5:10(One cement: five sand:Ten graded stone agg.40mm (forty millimetre) nominal size).</p>	2.13	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 agg.20mm (twenty millimetre) nominal size).</p>	17.15	Cum		Per Cubic Metre	
4	<p>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.</p>	9.00	Rmt		Per Running 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-1, H.P.P.W.D., SHIMLA-3.
Name of Work :- A/R & M/O office of economics and Statistics Department, Block No.38, SDA complex, Kasumti Shimla-9 (SH: P/F AC4 wooden flooring in Economic Advisor Room, P/F window glasses in office building etc.). (*Scope Work*)

Estimated Cost:- 1,43,711.00
Earnest Money :- 2,900.00
Time:- 30 Days.

Sr No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	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/e 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(1 cement:2 coarse sand:4 graded 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.

HPWD 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
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.(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 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 point five coarse sand) : three raded stone aggregate 20 mm (twenty milimetre) 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 milimetre) 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 1.S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six milimetre) for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws, 40 mm (forty milimetre) 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 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 19mm thick 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. (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 fillets (heading) 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

					Per Running Metre
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		
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) 10 mm (one hundred ten milimetre) dia	2.00			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.	50.00	Sqm		Per Square Metre
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.	25.00	Sqm.		Per Square Metre
b)With enamel paint other then 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	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	Disempering 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. (0) 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 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.	50.00	Sqm		Per Square Metre

				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	
44	Providing and fixing viterous 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, siphon, 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
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 trap 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.

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)

**Estimated Cost:- 99,963.00
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	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	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.	0.18	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.	0.14	Cum		Per Cubic Metre	
5	Taking out doors, windows and cterestory 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	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 / malfa / 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.	1.04	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 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	
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	Cum		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 Kilogram.
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 I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey 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

				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	
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)10 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) 10 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 nahn 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. Ordinary closet (One piece)(OP 20 closed Bathsence)	1.00	No	Each
31	Providing and fixing wash basin with full pedestal constellation Model cat No.WB WM-25-N 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 Acrylic 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 bavelled 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 Kilogram.	
					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.P.W.D., SHIMLA-3.

Name of Work :- AIR & 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).

**Estimated Cost:- 1,62,116.00
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. (ii)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 Kilo-gram.	
	(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	

					Per Running 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		
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 Running Metre
				Total	

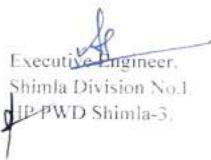
Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

No	Description of Work / Item (S)	No of Qty	Estimated Rate	Unit	Amount
1	Removing dry or oil bound distemper by washing and scraping and papering the wall	400.00	9.00	Rupees Nine Only per Sqm	3600
2	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface	100.00	50.00	Rupees Fifty Only per Sqm	5000
3	Distempering (one coat) with oil bound washable distemper of approved brand and manufacturer and of required shade, on decorated wall surfaces to give an even shade after thorough	1000.00	52.00	Rupees Fifty Two Only per Sqm	52000
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand and stoppings of the Engineer-in-Charge.	500.00	65.00	Rupees Sixty Five Only per Sqm	32500
5	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand and stoppings of the Engineer-in-Charge.	250.00	60.00	Rupees Sixty per Sqm	15000
b)	With enamel paint other than white.	100.00	35.00	Rupees Thirty per Sqm	3500
b)	With white enamel paint.	250.00	40.00	Rupees Forty per Sqm	10000
	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.				

DRAFT SCHEDULE OF QUANTITY

Name of Work :- A/R & M/O to various residence quarter at Brockhurst Shimla-2 (SH: Painting and Distempering work in Type-IV set No.4, below Pine set No.3 and Due/Vacation sets at Brockhurst Shimla-9). Estimated Cost:- 1,39,200.00 Estimated Money :- 2,800.00 Earliest Money :- 60 Days.

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 equalied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly 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 Engingeer-in-Charge.	100.00	Sqm		Per Square Metre	
						Total


 Executive Engineer,
 Shimla Division No.1,
 IP-PWD Shimla-5.

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.N o.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
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 of materials in all leads and lifts as per directions of the Engineer-in-Charge.	24.15	Cum		Per Cubic Metre	
2	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culvers, 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 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	Cum		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	Cum		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	Cum		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	Cum		Per Cubic Metre	

6	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slope of 1:20 towards 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

Tender Inviting Authority: EXECUTIVE ENGINEER SHIMLA DIVISION NO-1, H.P.W.D., SHIMLA-3.		Estimated Cost: 4,02,900.00		Name of Work: - A/R & M/O to various residence quarter under Kasuimpiti Sub-Division Shimla-2 (SH: P/F		Estimated Rate		No. of Qty		Description of Work / Item (S)		No
		Unit	Amount	Unit	Amount	Unit	Amount	Unit	Amount	Unit	Amount	
1	Provide and fix the poly-carbonated transparent sheet 1.20mm thick in roofing with galvanized J or L hooks bolts and nuts with G.I. Impet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	Sq.m	237.00	Sq.m		Per Square Metre						Total

Executive Engineer
Shimla Division No-1

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

Signature
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:- 4,89,914.00
Name of Work :- 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).					Earnest Money :- 9,800.00
					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 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.	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.		

5	Supplies and fixing rolling shutters of approved make, made of required size M.S. latches, interlocked together through their centre length and jointed together at the end by end locks, mounted on specially designed plate shaft with brackets, side guides and arrangements for inside and outside operation of door, including the cost of providing necessary 27.5 cm (wetney) sevener point five centimetre (long wire) wire mesh manufactured from high tensile steel wire of diameter seven point five centimetre (long wire mesh) and fixing necessary 0.90mm (zero point nine millimetre) thick top cover.	24.75	Sqm	Per Square Metre		
6	Providing and fixing ball bearing for rolling shutters including carriage of materials in all leads and latches as per directions of the Engineer-in-Charge.	5.00	Nos	Each		
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth level upto floor V, level including carriage of materials in all leads and latches as per directions of the Engineer-in-Charge. (i) Cement mortar 1:4 (One cement : four coarse sand)	85.96	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 diameter with biltumen and G.I. lipped washers or with coated J or L hooks, bolts and nuts 8 mm diameter with biltumen and G.I. lipped washers or with G.I. lipped washers fixed with white lead, including a coat of approved sieve primer and two coats of approved paint on overhanging of sheets complete (up to any pitch in horizontal), vertical or curved surfaces, excluding the cost of primers, rathers and tresses and including cutting to size and shape wherever required including carriage of materials in all leads and latches as per directions of the Engineer-in-Charge. (ii) 0.63 mm (zero point six) three millimetre (thick) zinc coating not less than 27.5 gm/m ²	34.45	Sqm	Per Square Metre		
9	1.5mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and laths as per directions of the Engineer-in-Charge. (i) 1:6 (One cement: six lime sand)	144.00	Sqm	Per Square Metre		
10	Dissempering with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and laths as per directions of the Engineer-in-Charge. (ii) New work (two or more coats) over and including prime priming coat with cement primer.	144.00	Sqm	Per Square Metre		

SCHEDULE OF QUANTITY

No.	Description of Work / Item (S)	Estimated Rate	Unit	Amount	Unit	Estimated Rate	No. of Qty.	Unit	Amount
1	Disposal of building rubbish / malla / similar user-irreversible, 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	Square Metre		Per	
2	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.	11.20	Sqm		Per	Running Metre		Per	
3	Providing and fixing of wall ceiling and floor galvanised mild steel tubes (medium grade) tube fixings 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		Per	
4	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary fixings steel screws etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Sawn wood.	0.10	Cum		Per	Cubic Metre		Per	
5	Providing and fixing plain square edge cover tiles (bedding) 40mmx12mm (forty millimetre into twelve pieces) section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifting directions of the Engineer-in-charge. (i) 1st class Indian teak wood.	18.00	Rmt		Per	Running Metre		Per	
6	Providing & fixing wood work in frames of doors, windows, eversoory 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.	0.02	Cum		Per	Cubic Metre		Each	
7	Providing and fixing bright finished or/and black enamelled iron (Heliical 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. (i) 100mm	4.00	Nos		Each			Each	

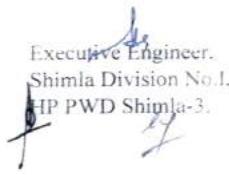
9	Providing and fixing 19mm thick commercial board with square holes for cup boards carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm	Per Square Metre
10	Providing 19mm thick water proof commercial board in shelves/box for cup boards with built joints & 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 19mm thick water proof commercial board in shelves/box for cup boards to be measured and paid for separately including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm	Per Square Metre
12	Providing and fixing magnetic Catches 15L 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 fittings (Bedding) 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 (sunmica) 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 complete.	1.44	Sqm	Per Square Metre
15	Applying priming coat over new wood and wood based surfaces after and if preparing the surface thoroughly cleaning oil, grease dirt and other foreign matter to give an even shade including the surface of dirt, dust and other foreign paint to new wood (excluding coat) on new wood and wood based surfaces with enamel paint directions of the Engineer-in-Charge. (a) With white enamel paint.	20.00	Sqm	Per Square Metre
16	Painting two coats (excluding coat) on new wood and wood based surfaces with enamel paint to give an even shade including the surface of dirt, dust and other foreign matter to give an even shade including the surface of dirt, dust and other foreign paint to new wood (excluding coat) on new wood and wood based surfaces with primer pink. Engineer-in-Charge (a) Ready mixed paint brushing wood primer pink.	20.00	Sqm	Per Square Metre
17	Providing and fixing prime wood ready made plain frame including necessary screws priming coat on unpreserved surface etc. complete with prime 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 joints and nails (frame work and cover fittings 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 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
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 sealer filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alkali 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

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 copmlete 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 millimetre) thick in roofing with galvanised J or L hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required 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

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).

**Estimated Cost:- 2,20,769.00
Earnest Money :- 4,500.00
Time:- One Month**

S. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	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		Per Square Metre	
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		Per Square Metre	
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		Per Cubic Metre	
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		Per Square Metre	
						Total

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

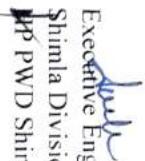
SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-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. 0100 to 0150 . (Job No:-14)

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

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit	Amount
1	<p>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 H.P.PWD. specification of 1990 (one thousand nine hundred ninety) volume-1 (one) and sorting out useful and unuseful material and transportation of the unuseful 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 stones 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 1 43.95 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.</p>	1439.55	Cum	Per Cubic Metre	
	Total			Total	


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

SCHEDULE OF QUANTITY

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

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

Estimated Cost:- 4,49,580.00
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	Sqm		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 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.	2.916	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)	5.44	Cum		Per Cubic Metre	
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1508.24	Kgs.		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 milimetre)M.S. laths with 0.90 mm(zero point nine zero milimetre) thick top cover.	19.80	Sqm		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.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. (i) 0.63 mm(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 Sand).	164.34	Sqm		Per Square Metre
10	Distempering 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

Under inviting Authority : **EXECUTIVE ENGINEER SHIMLA DIVISION** No-1, H.P.P.W.D., SHIMLA-3.
Macro of Work :- Improvement & Widening on Shoghi Methi Junga Sadhpul Road Km 12/375 to 12/375.5 (SH):- C.I.C Retaining Wall at RD 20/955 to 20/962.

Estimated Cost:- 3,57,300 00
 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		
1	<p>1 earth work in excavation for structures in all depths as per drawing and technical specification for rural roads August 2004 clause 408.1 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 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>2 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 1:5.0 (One cement: five sand) Ten graded stone agg:40mm (forty millimetre) nominal size).</p>	3.71	Cum	Per Cubic Metre		
3	<p>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 1:4.8 (One cement:Four sand) Eight graded stone agg:20mm (twenty millimetre) nominal size).</p>	66.50	Cum	Per Cubic Metre		
4	<p>4 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		

Engineering Manager
Shimla Division Not
HP PWD Shimla

	Providing weep holes in Breast wall Retaining wall on stone masonry with 100mm & P.V.C.	24.61	km	Per Km	Per Km	Total
3	Provide masonry in all leads and filters as per drawings including carriage of pipes with stop of 1.20 towards the face complete as per drawings including carriage of materials in all leads and filters as per drawings of the Engineer-in-Charge.					

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 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).

**Estimated Cost:- 99,493.00
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 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		Per Square Metre	
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		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 (fifty)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(fifty) 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(three square metre) 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(Fifty) 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 : 1284, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 : 4 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 upto floor V level in all shapes and sizes m. (i) Cement mortar 1 : 4 : 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 millimetre) thick bed of cement mortar 1 : 3 (One cement : three coarse sand) and joined with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with grey cement slurry @ 3.3 kg/sqm, including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm (eight millimetre) thick leads and lifts as per directions of the Engineer-in-charge.	15.73	Sqm	Per Square Metre
11	Providing and laying 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, grey, Fume Red Brown, laid on 20 mm (twenty millimetre) thick cement mortar 1 : 4 (One Cement : four Coarse sand), joining with grey cement slurry @ 3.3 kg/sqm including carriage of joints with white cement slurry @ 3.3 kg/sqm including carriage of joints with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mortar 1 : 4 (One cement : four Coarse sand), completing the joints with grey cement slurry @ 3.3 kg/sqm, including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	4.47	Sqm	Per Square Metre
12	Providing and laying vitrified floor tiles in different sizes (thicknesses 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 20 mm (twenty	3.18	Sqm	Per Square Metre
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) 1.5mm (fifteen millimetre) nominal bore.	6.00	Rmt	Per Runiting Metre
14	Centring and shoring including strutting, propping etc. and removal of form for inclusion of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.72	Sqm	Per Square Metre

S	Specification for R.C.C. work including straightening, cutting, bending, placing in leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	₹ 54	Kg	Per Kilogram
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.	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 i) 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 clerestorey 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.	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 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 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) 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 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.	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 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 (sunmica) 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 then 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

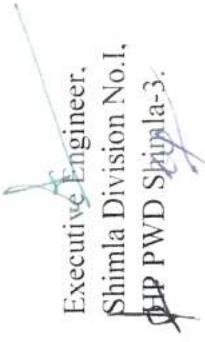
40	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	\$/qm	Per square Metre							
41	Distempering (one coat) with oil bound washable distemper of approved brand and manufacturer and of required shade on decorated wall surfaces to give an even shade after thorough brushing the surface lean of all increase, dirt loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	50.00	\$/qm	Per square Metre							
42	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 liffs as per directions of the Engineer-in-Charge.	50.00	\$/qm	Per square Metre							
43	Providing and Fixing tileous China Hand 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. (a) 610 x 150 mm (six hundred ten millimetre) with C.P. waste with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting. (a) 610 x 150 mm (six hundred ten millimetre) with bowl depth 200 mm (two hundred millimetre).	1.00	No	Each							
44	Providing and Fixing stainless steel kitchen sink of approved standard ISI make with drain board and wash basin or sink including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	1.00	No	Each							
45	Providing and Fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (a) 32 mm (thirty two millimetre) dia	1.00	No	Each							
46	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 liffs as per directions of the Engineer-in-Charge.	1.00	No	Each							
47	Providing and Fixing 100mm C.P. grating for gully, Floor or Nahni trap including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	4.00	\$/qs	Each							
48	Providing and Fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	1.00	No	Each							
49	Providing and Fixing C.P. brass screws including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	2.00	\$/qs	Each							
50	Providing and Fixing Arylic self C.P. brass bracket and guard rail complete, fixed to wooden pluses with C.P. brass screws including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	2.00	\$/qs	Each							
51	Providing and Fixing C.P. brass tap with capstan head including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (i) 15 mm dia	3.00	No	Each							
52	Providing and Fixing C.P. brass pillar tap with Capstan head including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (i) 15 mm dia	1.00	No	Each							

34	Providing and fixing PVC connection with brass nuts and pipe including carriage of materials in all leads and fits as per directions of the Engineer-in-Charge. (a) 450mm length (b) 15mm nominal bore.	4.00	Nos.	Each						
35	Providing and fixing PVC connection with brass nuts and pipe including carriage of materials in all leads and fits as per directions of the Engineer-in-Charge. (a) 450mm length (b) 15mm nominal bore.	4.00	Nos.	Each						
36	Providing and fixing wall mixer arrangement including carriage of materials in all leads and fits as per directions of the Engineer-in-Charge.	1.00	No	Each						
37	Providing and fixing high density polyethylene / poly propylene 10 litres capacity (full flush) European standard control low level flushing system with fittings with a pair of brackets with fittings such as lead valve, siphon, 15mm nominal size PVC ball valve with polythene float which push button couplings for connections with all making good the same and connecting the flush bend with cistern and cistern outlet and over flow pipe. 40mm dia C.P. flush bend including carrying holes in walls (overflow pipe to be same and connecting the flush bend with cistern and cistern outlet and all leads and fits as per directions of the Engineer-in-Charge).	1.00	No	Each						
38	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closets with C.P. brass hinges and rubber buffers including carriage of materials in all leads and fits as per directions of the Engineer-in-Charge.	1.00	No	Each						
39	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral soil pipe 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 fits as per directions of the Engineer-in-Charge. (i) Ordinary cistern	1.00	No	Each						

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 Type-I to VI at Mehl Shimla (SH: Repair of damaged flooring and replace of Kitchen and Bath pipe line in Transit accommodation at Block 1 and 2 Mehl Kasumpti Shimla).

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			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 hundreded 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,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

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

Name of Work :- Metalling Tarring and maintenance of road in Shimla Town (SH: P/L Painting and white washing of Auckland tunnel of side walls)

**Estimated Cost:-1,46,004.00
Earnest Money :- 3,000.00
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 equalised 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 dropping 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-I,
H.P PWD Shimla-3.

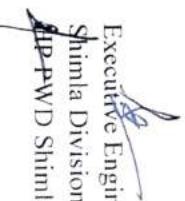
SCHEDULE OF QUANTITY						
No.	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit	Amount	
1	Removing dry or oil bound disemper by washing and scraping and sand papering the wall	400.00	sqm	Per Square Metre		in all leads and lifts as per directions of the Engineer-in-Charge. surface smooth including necessary repairs to scratches complete including carriage of materials
2	Applying Buna white case 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 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		and of required shade on decorated wall disemper of approved brand and manufacturer brushes the surface clean of all grease dirt loose pieces of scales and also including preparing
3	Discriminating one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	500.00	sqm	Per Square Metre		surfaces with enamel paint to given and even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) With white enamel paint
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint other than white	250.00	sqm	Per Square Metre		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 (b) With enamel paint other than white
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		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
6	b) With enamel paint other than white. Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	sqm	Per Square Metre		Extra over item for every subsequent coat of paint on steel and other metal surfaces with enamel paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge

Name of Work :- AR & M/O to various residence quarter at Brock Hurst Shimpla-2 (SH): Painting and Dismantling work in Servant Dr. No.1 to 26 and Dismantling sets at Brock Hurst Kasumpit Shimpla-9. Time:- 60 Days.

Tender Inviting Authority: EXECUTIVE ENGINEER SHIMLA DIVISION No.1, H.P.W.D., SHIMLA-3. Estimated Cost:- 1,35,684.00 Earmest Money:- 2,800.00

Charge: (i) With white enamel paint

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 (Apxultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly 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,
 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:- 1,13,695.00
Name of Work :- Improvement and widening of road on Mashobra to Bhakhality road Km 0/00 to 18/360 (SH: Earnest Money :- 2,300.00

Cutting earth work of widening of curves in Km. 16/660 to 16/690 and 10/070 to 10/092).

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	<p>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 whenever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer-in-charge, 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, whether use full or not, for 140.68 Cum (One hundred forty point sixty eight cubic metre) @ 50/- (Three 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.</p>	422.03	Cum	Per Cubic Metre		
	Total				Total	

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

SCHEDULE OF QUANTITY						
No.	Sr. Description of Work / Item (S)	Unit	Amount	Unit	Estimated Rate	No. of Qty.
1	Half brick masonry with non modular fly ash bricks of class designation 10, connoting to IS :12894, in super structure above plinth and upto floor V level in all shapes and sizes including materials in all ledges and ledges as per directions of the Engineer-in-Charge. (i) Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Per Square Metre		12.24	Sq.m	
2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth up to floor V level in all shapes and sizes including materials in all ledges and ledges as per directions of the Engineer-in-Charge. (i) Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Per Cubic Metre		0.41	Cum	
3	Steel work welded in built up sections, tusses and framed work including cutting hoisting fixings in position and applying a priming coat of red lead paint included in charge. (a) In gratings, framed guards bars ladders, railings, brackets and similar carriage of materials in all ledges and ledges as per directions of the Engineer-in-Charge. (a) In gratings, framed guards bars ladders, railings, brackets and similar carriage of materials in all ledges and ledges as per directions of the Engineer-in-Charge. (i) With	Per Kilogram		252.61	Kgs.	
4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture connecting to LS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door spring upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same machining to the box with slide plate etc. complete including carriage of materials in all ledges and ledges as per directions of the Engineer-in-Charge. (i) With	Each		2.00	Nos	
5	Providing and fixing double action hydraulic floor spring of approved brand and manufacture connecting to LS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door spring upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same machining to the box with slide plate etc. complete including carriage of materials in all ledges and ledges as per directions of the Engineer-in-Charge. (i) With	Each		1.00	Nos	
6	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without part of handles (best make of approved quality) for illuminating doors including necessary cutting and making good etc. complete including carriage of materials in all ledges and ledges as per directions of the Engineer-in-Charge.	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 Engineerin- 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 wooven 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 filters to be measured and paid for separately) including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (i)	3.60	sqm	9mm thick	Per square Metre
16	Providing and fixing plain square edge covered filters (bedding) 40mmx12mm section with medium teak wood.	10.00	Rmt	Per running Metre	Per running Metre
17	Providing woodwork in frames of doors, windows, clearstory, windows and other frames wrought, framed and fixed in position including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (i) 2nd class	0.03	Cum	Per cubic Metre	Per cubic Metre
18	Providing and fixing panelled glassed or panelled and glazed shutters for doors windows and clearstory windows. Including black enamelled iron hinges with necessary screws including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (a) 40mm thick (2nd class teak wood).	1.35	sqm	Per square Metre	Per square Metre
19	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 clearstory windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (i) 40mm thick 2nd class teak wood.	0.42	sqm	Per square Metre	Per square Metre
20	Applying priming coat over new wood and wood based surfaces after and ifc preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and painting including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	sqm	Per square Metre	Per square Metre
21	Painting two coats (excluding coat) on new wood and wood based surfaces with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stripping including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	sqm	Per square Metre	Per square Metre
22	Providing and fixing aluminium sliding door bolts and shade with nuts and nuts screws etc. complete including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (i) 125 mm and shade with necessary screws etc. complete including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (i)	4.00	Nos	Each	Each
23	Providing and fixing door bolts and shade with nuts and nuts screws etc. complete including carriage of materials in all leads and filters as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	2.00	Nos	Each	Each

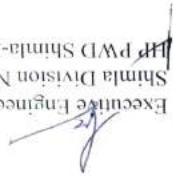
24	Providing and fixing aluminum tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos	Each
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm) 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 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.	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 fillets (beading) 19mmx6mm (Nineteen millimetre into six milimetre) 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 sealer filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alkli 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 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	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 equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials 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 papered 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

50	Painting two coats (excluding priming coats) on new steel and other metal surfaces with enamel paints spraying to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter including carriage of materials in all leads and fittings as per directions of the Engineer-in-Charge. (i)With enamel paint other than white.	100.00	Sqm	Per Square Metre	Total

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



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 various residence qtr. at Brock Hurst Shimla-2 (SH: Renovation of Toilet

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

Sr. No Description of Work / Item (S)

No. of Qty.

**Estimated Rate
In figures
In words**

**Unit
Amount**

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate In figures In words	Unit Amount
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)	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 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.(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 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.	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 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	7.93	Sqm	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.	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 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)	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 millimetre) 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 Kilogram

16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, claijas, 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 raded stone aggregate 20 mm (twenty milimetre) 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 milimetre) 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 1.S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six milimetre) for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty milimetre) 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>nic</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 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 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) 200x16mm	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 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 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.	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 nitring 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 (sunnica) on boards/plly 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	Providing and fixing PVC collars ISL marked including fixing with approved adhesive etc.	2.00	Nos	Each	Engineer-in-Charge.(a) 110 mm (one hundred ten millimetre)
37	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stoping including cleaning of materials in all leads and surfaces as per directions of the Engineer-in-Charge. (a) With white enamel paint.	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 including cleaning of materials in all leads and surfaces as per directions of the Engineer-in-Charge. (a) With white enamel paint.	50.00	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 the surface cleaning of materials in all leads and dust as per directions of the Engineer-in-Charge. (a) With white enamel paint	50.00	Sqm.	Per Square Metre	
40	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and dust as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	Sqm.	Per Square Metre	
41	Dissemping with oil bound washable dissemper of approved brand and manufacturer to give an even shade including carriage of materials in all leads and dust as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	75.00	Sqm.	Per Square Metre	
42	Removing dry oil bound dissemper, water proofing cement paint and the like by scraping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. and complete including carriage of materials in all leads and dust as per directions of the Engineer-in-Charge.	200.00	Sqm	Per Square Metre	
43	Providing and laying marble work (table rubbed and polished) in floating 20mm thick black base in cement mortar 1:(3) (centmetr3sand) 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 hole for filter tap with C.L. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of basin with single hole for filter tap with C.L. or M.S. brackets painted white including basin materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Filter back :-	1.44	Sqm	Per Square Metre	Engineer-in-Charge.
44	Providing and fixing vitreous China Hind ware IS marked IS No. 256 of equivalent wash basin with single hole for filter tap with C.L. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of basin materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Filter back :-	1.00	Nos	Each	Engineer-in-Charge.

45	Providing and Fixing C.P. waste with C.I. waste sink of standard 151 mm width and 32 mm depth. (a) 32 mm (thirty two millimetre) dia	1.00	No	Each
46	Providing and Fixing C.P. brass waste for sink including cutting holes and marking good the same but excluding fitting of materials in all leads and liffs as per directions of the Engineer-in-Charge. (a) 610 x 310 mm (six hundred ten to five hundred ten millimetre) with bowl depth 200 mm (two hundred millimetre).	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 liffs as per directions of the Engineer-in-Charge.	1.00	No	Each
48	Providing and Fixing 100 mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	4.00	No	Each
49	Providing and Fixing looking mirror of superior glass with plastic frame including liffs and liffs as per directions of the Engineer-in-Charge.	1.00	No	Each
50	Providing and Fixing C.P. brass Towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass bracket and guard rail complete. Fixed as per directions of the Engineer-in-Charge. (i) 600 mm x 20 mm	2.00	No	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 liffs as per directions of the Engineer-in-Charge.	2.00	No	Each
52	Providing and Fixing C.P. Brass bib tap with Captain head including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (i) 15 mm dia	3.00	No	Each
53	Providing and Fixing C.P. brass pillar tap with Captain head including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (i) 15 mm dia	1.00	No	Each
54	Providing and Fixing C.P. brass angle valve 15 mm without Nuts and pipe including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	4.00	No	Each
55	Providing and Fixing PVC connection with brass unions including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (a) 45 cms length (i) 15 mm nominal bore.	4.00	Nos	Each
56	Providing and Fixing wall mixer arrangement including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	1.00	No	Each
57	Providing and Fixing sink mixer arrangement including carriage of materials in all leads and liffs 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 liffs 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, siphon, 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 trap 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.I,
 HP PWD Shimla-3.