

Himachal Pradesh
Public Works Department
No. PW-SD-I-CTR-Tender-NIT/2021-22- 25/03/2021 Dated:- 15/2/22

To

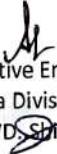
The Executive Engineer (IT Cell)
Nigam Vihar Shimla.

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-I.,
HPPWD, Shimla-3.

Copy forwarded to for further necessary action please.

1. The Superintending Engineer 4th Circle HPPWD Shimla .


Executive Engineer,
Shimla Division No-I.,
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:- 23-02-2022 upto 4:00 PM
2. Dated of Issue /Sale of tender forms:- 24-02-2022 upto 4:00 PM
3. Date of receipt of tender:- 25-02-2022 up to 10:30 AM
4. Date of opening of tender:- 25-02-2022 up to 11:00 AM

Sr. No.	Name of Work	Estimated cost	EMD(Rs.)	Cost of Tender (Rs.)	Time Limit	Eligible class of Contract
1	Repair and replacement of Damaged sewer line and glass pans in new police complex in Khalini Shimla (SH:-, Laying of new sewer line and replacement of old Broken glass in New police complex Khalini Shimla).	491329/-	9900/-	350/-	60 days	Class-D
2	A/R & M/O to various residential qtrs at Brock Hurst Shimla (SH:-, Alteration & Repair work in Gallery of cottage No. 3,4 & 8 at Below pine, Brock Hurst Shimla-9).	397250/-	8000/-	350/-	60 days	Class-D
3	Furnishing to House No.4 Type-VIII at Brock Hurst Shimla-2 (SH:- P/F cotton curtains and PVC wall paper work in House No.4 type-VIII at Brock Hurst Shimla-2).	477410/-	9600/-	350/-	30 days	Class-D
4	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH:- Providing and fixing pine wood paneling cup board work, Repair of damaged proch covering of Boundary with Brick Masonry and minor repair work in cottage No.9 at Brock Hurst).	387146/-	7800/-	350/-	60 days	Class-D
5	Improvement & Widening on Bangapani to Chatdog road km. 0/00 to 2/850 (SH:- C/O R/wall between Km. 2/715 to 2/721).	83968/-	1700/-	350/-	30 days	Class-D
6	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH:- Renovation of toilet, bath kitchen and minor repair work in Below pine set no.8 at Brock Hurst Kasumpti Shimla-9).	190034/-	3900/-	350/-	30 days	Class-D
7	A/R & M/O to various GAD QT's at Kasumpti Shimla-9 (SH:- Providing and fixing cup board in type-III set No.8 & type-IV set No.52 under parimahal section).	140084/-	2900/-	350/-	30 days	Class-D
8	Improvement & Widening roads under Kasumpti Sub Division No. VIII Shimla -9 (SH:- C/O Breast wall in chotta Shimla to Vikas Nagar road at RD. 0/045 to 0/060 Shimla-2).	97520/-	2000/-	350/-	30 days	Class-D
9	R.R.D on Old Kasumpti Janga road laying by OFC (SH:- Improvement of curves between Rd. 8/630 to 8/657).	98233/-	2000/-	350/-	30 days	Class-D
10	Restoration road Digging on Kufri Jamedghat and kufri Bazar laying by OFC (SH:- C/O R/wall at Rd. 10/795 to 10/807) on kufri chail road.	463457/-	9300/-	350/-	30 days	Class-D
11	A/R & M/O various residence under Kasumpti sub division (SH:- P/L Bituminous concrete on shiv Mandir to Shakti vihar road).	217397/-	4400/-	350/-	30 days	Class-D
12	Improvement and widening of chotta Shimla to Panthghatti road (SH:- Refixing of road side railing in chotta Shimla to Panthghatti road at Rd. 1/275 to 1/300 and Brock Hurst to Vikas Nagar at Rd. 0/00 to 0/020).	390877/-	7900/-	350/-	60 days	Class-D
13	A/R & M/O to various residence quarter at Brock Hurst Kasumpti Shimla-9 (SH:- Repair work of W/C in set No.125, 126, 111 set no.43 and polishing work in below pine set NO.3 minor repair work at Brock Hurst Kasumpti Shimla-9).	97522/-	2000/-	350/-	30 days	Class-D
14	A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH:- Providing and fixing Marble shelf / kitchen servant qtr No. 1 to 15 at Brock Shimla-2).	84291/-	1700/-	350/-	60 days	Class-D
15	Improvement & widening of link road from Rajhira to Savi road km. 0/00 to 0/700 (SH:- C/O R/wall between km. 0/596 to 0/601).	355620/-	7200/-	350/-	30 days	Class-D
16	C/O of ramp for disable person to HIPA (SH:- P/F R/wall , Chequered tile and railing for building below HIPA Mass).	427780/-	8600/-	350/-	60 days	Class-D
17	Special repair of various residential qtr type-I to VI at Kasumpti Shimla-9 (SH:- Reconstruction existing garage No.5 at Kasumpti Shimla)	482056/-	9700/-	350/-	60 days	Class-D
18	Construction of road Rajhana to Bird Colony km. 0/00 to 1/00 (SH:- P/L G-II, C.C. pavement and V shape drain at between Rd. 0/785 to 0/900)	477131/-	9600/-	350/-	30 days	Class-D
19	A/R & M/O to House No.2 Ground floor at Brock Hurst Shimla-2 (SH:- P/F HDK flooring in Bed room and minor repair work in House No.2 Ground floor at Brock Hurst Shimla-2).	126285/-	2600/-	350/-	30 days	Class-D
20	Improvement widening kelti Barmu road km. 0/00 to 3/180 (SH:- C/O Retaining wall at Rd. 1/150 to 1/160).	356307/-	7200/-	350/-	60 days	Class-D
21	Improvement and widening of chotta Shimla to Panthghatti road (SH:- Providing and fixing of speed breaker and Delinator in chotta Shimla to Panthghatti road at Rd. 1/275).	96040/-	2000/-	350/-	60 days	Class-D

22	A/R & M/O Directorate of Co-Operative Societies, Block No.25, SDA complex , Kasumpti Shimla-9 (SH)- C/O Reception room ,Alteration in main entrance, P/F doors and windows etc).	374268/-	7500/-	350/-	60 days	Class-D
23	A/R & M/O to various residential quarter under Kasumpti Shimla-9 (SH)- Renovation of kitchen, painting/ Distempering and minor repair work in set No. 3 at Driver colony Dhali Shimla-9).	190917/-	3900/-	350/-	15 days	Class-D
24	A/R & M/O to various residence quarter under sub Division No.VIII Shimla-9 (SH)- Repair of damaged C.G.I roof cottage NO.3 and minor repair work in various sets at Brock Hurst Shimla-2).	170076/-	3500/-	350/-	30 days	Class-D

It is certified that the above works are required to be carried out immediately being emergent nature of work in public interest. The tender documents shall be issued only to those contractor/Firm who fulfill the following documents with the application.

1. The valid enlistment/Registration 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 days after the opening of Tender.

7. Ambiguous/telephonic/ conditional tenders or tender by fax/E mail shall not be considered and will be summarily be rejected.

8. Executive Engineer reserve the right to reject or cancel any or all tenders without assigning any reasons.

9. If the date given above happens to be holiday the same shall be processed 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.

Y
Executive Engineer,
Shimla Division No-1,
HPPWD, Shimla-3.
Dated : 18-2-22

No. PW-SD-1/CB-Tender/21-22- 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 (R) 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, HPPWD Shimla-3.
8. Superintendent / HDM /DAO.
9. Notice Board.

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

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

SCHEDULE OF QUANTITY

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

Name of Work :- Repair and replacement of Damaged sewerline and glass pans in New Police complex in

Khalini Shimla (SH: Laying of new sewer line and Replacement of old Broken glass in New police complex

Estimated Cost:- 4,91,329.00

Earnest Money :- 9,900.00

Khalini Shimla).

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 milimetre)	0.43	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.e equivalent design mix).	0.07	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.	2.00	Cum		Per Cubic Metre	
5	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre)on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	30.00	Cum		Per Cubic Metre	

6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)1:5:10 (One cement : five sand : ten graded stone aggregate 40 mm(forty milimetre) nominal size)	4.80	Cum		Per Cubic Metre
7	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)	20.00	Cum		Per Cubic Metre
8	Constructing manhole with R.C.C. top slab in 1:2:4 mix (one cement : two sand : four graded stone aggregate 20mm(twenty milimetre) nominal size), foundation concrete 1:4:8 (one cement : four sand : eight graded stone aggregate 40 mm(forty milimetre) nominal size), inside plastering 15mm (fifteen milimetre)thick with cement mortar 1:3 (one cement : three sand) and finished with floating coat of neat cement and making channels in cement concrete 1:2:4 mix (one cement : two sand : four graded stone aggregate 20mm(twenty milimetre) nominal size) finished smooth complete including curing and testing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Inside size 800mmx800mm and 500mm(eight hundred milimetre into eight hundred milimetre and five hundred milimetre) deep including precast reinforced Cement concrete manhole Cover (Medium Duty) with frame 600 mm (six hundred milimetre) dia :-(i) with 200mm (two hundred milimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (one cement : three sand) :-	12.00	Nos		Each
9	Providing under layer for plinth protection of 75mm thick (unconsolidated) bed dry brick/ stone aggregated 40mm nominal size with rammed and consolidated and grouted with fine sand including preparation of ground including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm		Per Square Metre
10	Providing and fixing on wall face PVC (Finolex) rain water pipes of working pressure not less than 4.5 kg/sqm including filling the joints with approved adhesive complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150 mm (one hundred fifty milimetre) dia pipe	266.67	Rmt		Per Running Metre
11	Providing and fixing on wall faces PVC(Finolex) accessories for rain water pipes including filling the joints with approved adhesive complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)PVC Plain bend 150mm(One hundred fifty milimetre) dia.	20.00	Nos		Each
12	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.	45.71	Cum		Per Cubic Metre
13	Providing and fixing PVC (finolex) 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. (i)110 mm (one hundred and Ten) nominal size :-	20.00	Nos		Each

14	Providing and fixing PVC (finolex) fitting and accessories, including carriage of materials within all leads and lifts :-(a)Bends of required degree (any radius) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Providing and fixing PVC (finolex) door bend with oval access door, insertion rubber washer 3 mm(three milimetre) thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete.(i)110 mm (one hundred and Ten) nominal size :-	10.00	Nos			Each	
15	Providing and fixing PVC (Finolex) clamps of approved design with steel screws and rawal plugs etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150mm nominal size.	10.00	Nos			Each	
16	Providing and fixing PVC (finolex) single equal branch with oval access door, ISI marked insertion rubber washer 3 mm thick bolts and nuts 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. (i) 150mm nominal size.	10.00	Nos			Each	
17	Providing and fixing PVC (finolex) 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) 150mm nominal size..	10.00	Nos			Each	
18	Providing and fixing PVC (finolex) Cowl including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150mm nominal size..	10.00	Nos			Each	
19	Making connection of Drain of sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4(1cement: 2sand: 4graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3(1cement:3sand) finished with a floating coat of neat cement and making necessary channels with cement concrete 1:2:4(1cement:2sand:4graded stone aggregate 20mm nominal size) for the drain complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) For pipe 100mm to 150mm internal diameter/nominal size.	4.00	Nos			Each	
20	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 4mm(Four milimetre) thick	8.10	Sqm			Per Square Metre	
21	Providing and fixing PVC (finolex) 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. (i)110 mm (one hundred and Ten) nominal size :-	10.00	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:- 3,97,250.00
Name of Work :- A/R & M/O to various residential Qtrs. at Brock Hurst Shimla (SH: Alteration & Repair work in Gallery of Cottage No.3,4 & 8 at Below pine, Brock Hurst Shimla-9).				Earnest Money :- 8,000.00
				Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate	Unit	Amount
		In figures	In words			
1	Providing and fixing Glazing in aluminium door window, ventilator shutters and partition etc. with PVC/neoprens gasket etc. complete as per the architectural drawing and the direction of Engineer in charge (the cost of alunium snap beading wshall be paid in basic items) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Glazing with glass pans of 5.50 mm thickness (weight not less than 13.75 kg/ Per Squaremetre)	60.00	Sqm.		Per Square Metre	
2	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors and cover plates etc. complete as per the direction of Engineer-In-Charge I/c making good the floors.	25.00	Nos		Each	
3	Providing and fixing anodized aluminum work for doors windows ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS-755 and IS-1285 anodized transparent or dyed to required shade according to IS-1868(Minimum anodic coating of grade AC 15)fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth rust free, straight, mitered and jointed mechanically, where even required including shape beading for glazing/paneling, C.P. brass/stainless steel screws all complete as per architectural drawing and the direction of the Engineer-in-Charge. (a) For doors windows & ventilators of glazed partitions frames.	470.00	Kgs.		Per Kilo-gram.	
	(b) For shutters of doors windows and ventilators including providing and fixing of fittings where even required including the cost of PVC/neoprene gaskets required (fitting & glazing/ paneling shall be paid for separately) including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge.	30.00	Kg.		Per Kilo-gram.	
4	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.	25.00	Sqm		Per Square Metre	

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

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

SCHEDULE OF QUANTITY

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

Name of Work :- Furnishing to House No.4 Type-VIII at Brock Hurst Shimla-2 (SH: P/F Cotton Curtains and

PVC Wall paper work in House No.4 Type-VIII at Brock Hurst Shimla-2).

Sr. Description of Work / Item (S) No

No. of Qty.

Estimated Rate

Unit

Amount

1 Providing and fixing PVC wall paper as approved including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.

27.00

Sqm

In figures

In words

2 Providing and fixing cotton curtain of superior quality fabrics of standard width 48" of approved design and shade with stain lining of superior quality fabric with specified length and width including stitching tape and curtain rings etc. Stitched Length including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 2.20 mtr. to 2.50 mtr.

70.00

Nos

In figures

In words

3 Providing and fixing 1.50 mm thick PVC antistatic vinyl flooring plain or coloured, carbed or mosaic/ metallled 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

110.00

Sqm

In figures

In words

4 Providing and fixing HDF decorative laminated coir board Graman floor AC-4 32.8mm thick placed on cushion of 2mm thick expanded poly thene foam 100 micron thick polythene under layer including boarder of required shade and colour complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.

88.15

Sqm

In figures

In words

Total

Estimated Cost:- 4,77,410.00

Earnest Money :- 9,600.00

Time:- 30 Days.

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

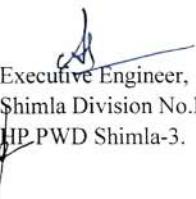
SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 3,87,146.00	
Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Providing and fixing Pine wood panelling, Cup board work, Repair of damaged porch, Covering of Boundary with Brick Masonry and minor repair work in cottage No.9 at Brock Hurst).					Earnest Money :- 7,800.00	
Time:- 60 Days.						
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate	Unit	Amount	
1	Taking out existing wooden door shutter, repair by cutting painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Nos	Each		
2	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.	5.00	Cum	Per Cubic Metre		
3	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.	1.22	Sqm	Per Square Metre		
4	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.	0.83	Cum	Per Cubic Metre		
5	Providing and fixing to wall ceiling and floor galvanized mild steel tubes (Medium grade) tube fitting 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) 15millimeters(Fifteen milimetres) nominal bore	18.00	Rmt	Per Running Metre		
6	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required 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	76.00	Kg.	Per Kilogram		
7	Providing and fixing poly carbonated transparent sheet 1.20mm thick in roofing with galvanized J or L hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	6.00	Sqm	Per Square Metre		

8	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.	0.12	Cum	Per Cubic Metre
9	Providing and fixing Byslon board sheet lining 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 lifts as per directions of the Engineer-in-charge. (i) 9 mm thick	14.40	Sqm	Per Square Metre
10	Providing and fixing Plain square edge cover filters (bedding) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 1st Class	40.00	Rmt	Per Running Metre
11	Providing and fixing wood work in frames of doors, windows, celrestory 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
12	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and celrestory windows. including black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. a) 40mm thick (Z) and class Deodar wood	2.700	Sqm	Per Square Metre
13	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 celrestory windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 40mm thick 2nd class deodar wood	1.68	Sqm	Per Square Metre
14	Applying priming coat over new wood and wood based surfaces after and in preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and painting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	30.00	Sqm	Per Square Metre
15	Painting two coats (excluding cost) on new wood and wood based surface with enamel paint to give an even shade including the surface of dirt, dust and other foreign matter, sand painting & stoppling including the surface of dirt, dust and lifts as per directions of the Engineer-in-charge. (a) With white enamel paint.	30.00	Sqm	Per Square Metre
16	Providing and fixing aluminium handles andized transparant 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 One hundred twenty five millimetre)	4.00	Nos	Each

28	Providing and fixing Ply wood lining with butt jointing and wood screws or nails (frame work and cover plates 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 (nine millimetre) thick.	65.25	Sqm	Per Square Metre
29	Providing and fixing A mm thick teek ply of standard quality and of approved shade as design wall lining including fixing with butt jointing and nails as 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.	2.88	Sqm.	Per Square Metre
30	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
31	Applying spirit or oil stains (any colour) on wood and wood based surfaces to given an even smooth dry and matt surface including stopping & knotting including carriage of materials surfaces including the surfaces of all dirt, dust and sand preparing so as to produce a even surface including the surface of all dirt, dust and sand preparing so as to given an even in all leads and lifts as per directions of the Engineer-in-Charge.	65.25	Sqm.	Per Square Metre
32	Applying three coat of sealer filling on new wood and new wood based surfaces to given an even surface including the surface of all dirt, dust and sand preparing 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.	65.25	Sqm.	Per Square Metre
33	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.	65.25	Sqm	Per Square Metre
34	Providing and fixing square edges cover tiles (Cormer) 35mmx 35mm section 1/4 miling 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) Pine wood.	62.00	Rmt	Per Rummage Metre
35	Providing and fixing PVC floor trap of self cleaning design with sand cast iron screed 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) 75 mm (seventy five millimetre) nominal diameter	5.00	Nos	Each
36	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with per directions of the Engineer-in-Charge. (a) 110 mm dia.	12.00	Rmt	Per Rummage Metre

37	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 milimetre) dia.	4.00	Nos			Each	
38	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 milimetre)dia	4.00	Nos			Each	
39	15mm Cement plaster in single coat on the rough side of brick/ concrete/stone walls for interior plastering upto floor two level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement Mortar 1:4 (1Cement:4 Sand).	7.20	Sqm			Per Square Metre	
							Total


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

SCHEDULE OF QUANTITY

Executive Engineer,
Shimla Division N.O.I,
HP PWD SHIMLA-3.

6	Providing weep holes in Breast wall/Reclaiming 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.	Per Metre Runnings	Per Metre	Total
	15.00 Rmt			

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.			Estimated Cost:- 1,90,034.00
Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Renovation of Toilet,Bath,Kitchen and minor repair work in Below Pine set No.8 at Brock Hurst Kasumpti Shimla-9).			Earnest Money :- 3,900.00
			Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials within 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty milimetre)	29.82	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/e 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	

					Per Square 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	28.93	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.	8.47	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)	11.88	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.	12.00	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, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty 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.	1.35	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 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 (Hectical 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.	4.80	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.	39.20	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. (a) 6mm thick.	7.20	Sqm			Per Square Metre
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.00	Nos			Each
31	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)1st class Indian teak wood	10.00	Rmt			Per Running Metre
32	Providing and fixing 1.00mm thick coloured or plain lamination sheet (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.	10.80	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 90 mm.	3.00	Nos			Each
34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)110 mm dia.	6.00	Rmt			Per Running Metre

35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos		Each
36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 110 mm (one hundred ten milimetre) 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.	100.00	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.	50.00	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	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 lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	Sqm		Per Square Metre
41	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) Old work (one or more coats)	200.00	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.	200.00	Sqm		Per Square Metre
43	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3(cement: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.	1.44	Sqm		Per Square Metre

44	Providing and fixing vitreous China Hind ware IS marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (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) 45cm length (i) 15mm nominal bore.	4.00	Nos			Each
56	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
57	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
58	Providing and fixing sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each
59	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float,with push button,couplings for connections with inlet, outlet and 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 strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each
62	Providing and fixing 1.50mm(One point five zero milimetre) thick PVC antistatic vinyl Flooring plain or coloured carbend or mosaic/metallic 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	42.52	Sqm		Per Square Metre	
63	Providing and fixing PVC wall paper as approved including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Sqm		Per Square Metre	

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 1,40,084.00
Name of Work :- A/R & M/O to various GAD Qtrs. at Kasumpti Shimla-9(SH: Providing and fixing Cup board in Type-III set No. 8 and Type-IV set No.52 under Parimahal Section).					Earnest Money :- 2,900.00
					Time:- One month
Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate	Unit	Amount
1	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.	45.04	Sqm	Per Square Metre	
2	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.	18.11	Sqm	Per Square Metre	
3	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.	21.95	Sqm	Per Square Metre	
4	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.	21.86	Sqm	Per Square Metre	
5	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 Deodar wood	84.30	Rmt	Per Running Metre	
6	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.	57.00	Nos	Each	
7	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100mm	57.00	Nos	Each	
8	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.	85.01	Sqm.	Per Square Metre	

| | Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thorough cleaning oil, grease dirt and other foreign matter and knotting including carriagae of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Ready mixed paint brushing wood primer pink. | Per Square Metre | 85.01 | Sqm | Total |
|----|---|------------------|-------|-----|------------------|-------|-----|------------------|-------|-----|------------------|-------|-----|------------------|-------|-----|-------|
| 10 | 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 & stoppings including carriagae of materials in all leads and lifts as per directions of the Engineer-in-Charge (a)With white enamel paint. | Per Square Metre | 85.01 | Sqm | |

Executive Engineer,
Shimla Division No.1.

Shimla PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 97,520.00
Name of Work :- Improvement & widening roads under Kasumti Sub-Division No.VIII Shimla-9 (SH: C/O Breast Wall in Chotta Shimla to Vikas Nagar road at RD. 0/045 to 0/060 Shimla-2)					Earnest Money :- 2,000.00
					Time:- One month
Sr. No	Description of Work / Item (S)	No.of Qty. In figures	Estimated Rate In words	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	4.36	Cum	Per Cubic Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre)on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and 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.	2.91	Cum	Per Cubic Metre	

SCHEDULE OF QUANTITY

Tender Inviting Authority: EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.
Name of Work :-R.R.D on Old Kasumpi Junga road Laying by OFC (SH :- Improvement of curves between RD 8/630 to 8/657).

Estimated Cost: 98,233.00
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>Cutting in earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site, according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in-charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation as per the directions of the Engineer-in-Charge. The recover of stones, wheather use full or not, for 35.30 Cum @ 300/- hundred seventy) per Cubic metre shall be effected on pro rata bases in all circumstances. Any loss to the public and private propriety 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>	211.80	Cum		Per Cubic Metre	
					Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-i, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- .463457.00	
Name of Work :- Restoration Road Digging on Kufri Janedghat and Kufri Bazar road Laying by OFC (SH:- C/O R/Wall at at Rd 10/795 to 10/807).On Kufri Chail road.					Earnest Money :- 9,300.00	
					Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate In figures	Estimated Rate In words	Unit	Amount
1	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.	52.56	Cum		Per Cubic Metre	
2	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).	5.16	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 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty millimetre) nominal size).	78.72	Cum		Per Cubic Metre	
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.	16.56	Cum		Per Cubic Metre	

5	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with stop of 1:20 towards the face complete as per drawing including carriage of materials in all heads and lifts as per directions of the Engineer-in-Charge.	40.60	Rmt	Per Running Metre
				Total

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3. **Estimated Cost:- 2,17,397.00**

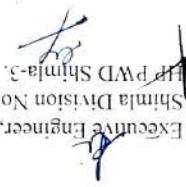
NAME OF WORK:- A/R & M/O various roads under Kasumti Sub-Division (SH: P/L Bituminous concrete on Shiv Mandir to Shakti Vihar road) *Bytance*

Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Providing and applying tack coat with paving Bitumen emulsion (RS-I) 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.	540.79	Sqm		Per Square Metre	
2	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 5.50 per cent (five point four zero to five point five 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.	540.79	Cum		Per Cubic Metre	
						Total


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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.R.W.D., SHIMLA-3. Name of Work :- Improvement and widening of Chotta Shimla to Panthgatti road (SH: Refixing of road side railing in Chotta Shimla to panthgatti road at RD. 1/275 to 1/300 and Brock Hurst to Vikas Nagar at RD. 0/00 to 0/020).		Estimated Cost:- 3,90,877.00 Earnest Money :- 7,900.00 Time:- Two months
Sr. No	Description of Work / Item (S)	No.of Qty. In figures In words
		Estimated Rate Per Cubic Metre
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty)metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6(One cement :three sand: six graded stone aggregate) (one or richer mix i/c equivalent design mix).	12.96 Cum
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 (One cement : two coarse sand) ; four graded stone aggregate 20 mm(twenty millimetre) nominal size)	14.56 Cum
3	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) In gratings, framed guards bars ladders, railing, brackets and similar work. (i) (Through rate)	279.40 Kgs
	(ii) (Labour rate)	500.00 Kgs
4	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	50.00 Kg.
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 matters 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.
6	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 HPPWD store Bemlo to Brock Hurst (Labour rate)	6930.00 Kg.


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

	Total	Per Rodgeram	Per Kg.	176.00	In	Steel reinforcement for R.C.C. work including stiffening, 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
7						

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 quarter at Brock Hurst Kasumpti Shimla-9 (SH: Repair work of W.C. in set No.125, 126,III set No.43 and Polishing work in Below pine set No.3 and minor repair work at Brock Hurst Kasumpti Shimla-9).

Estimated Cost:- 97,522.00

Estimated 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 milimetre)	8.74	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).	0.86	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.	0.14	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 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.	15.00	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.	0.44	Cum		Per Cubic Metre	
8	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	16.62	Sqm		Per Square Metre	

17	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float,with push button,couplings for connections with inlet, outlet and ovr flow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
18	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	
19	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each	
20	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.	60.00	Sqm.			Per Square Metre	
21	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) Paint remover of approved brand and manufacture Caustic soda.	60.00	Sqm			Per Square Metre	
22	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.	60.00	Sqm.			Per Square Metre	
23	Applying three coat of sealer filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alk1 dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	60.00	Sqm.			Per Square Metre	

24	Providing and fixing single hole for pillar tap with C.I. or M.S. brackets paired with white including basin with stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.I. or M.S. Brackets paired with white including cutting holes and lits per directions of the Engineer-in-Charge. (i) 550 x 400mm	1.00	No	Each	
25	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 paired with white including cutting holes and lits per directions of the same but excluding fitting including cutting holes in all leads and lits good the same but excluding fitting including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge. (i) 610 x 510mm with bowl depth 200mm.	1.00	nos	Each	
26	Providing and fixing PVC waste pipe for wash basin & sink including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge.	1.00	nos	Each	
27	Providing and fixing CP Grating for floor and nailhi trap complete including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge.	1.00	nos	Each	
28	Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge.	1.00	Nos	Each	
29	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 lits as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	1.00	No	Each	
30	Providing and fixing Acrylic shelf with C.P. brass brackets and nail rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge.	1.00	No	Each	
31	Providing and fixing C.P. Brass bid tap with castan head including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge. (i) 15mm dia	1.00	No	Each	
32	Providing and fixing C.P. Brass pillar tap with Capstan head including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge. (i) 15mm dia	1.00	No	Each	
33	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge. (i) 15mm dia	1.00	No	Each	
34	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge. (a) 450mm length (i) 15mm nominal bore.	1.00	No	Each	
35	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lits as per directions of the Engineer-in-Charge.	1.00	No	Each	

36	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
37	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
38	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Orissa Pattern Anglo Indian.	1.00	No		Each
39	Providing and fixing vitreous China wash down, water closet squatting pan (Indian type W.C. pan) size 580mm(Five hundred eighty milimetre) (Earth work, bed concrete, foot rest and trap 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) Orissa Pattern	1.00	No	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:- 84,291.00

Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Providing and fixing

Earnest Money :- 1,700.00

Marble Shelf in Kitchen Servant Qtr. No.1 to 15 at Brock Hurst Shimla-2).

Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate In figures	Rate In words	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 milimetre)	1.44	Sqm			Per Square Metre	
2	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.	0.04	Cum			Per Cubic Metre	
3	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.	18.00	Sqm			Per Square Metre	
4	Extra for marble work of nosing/corner strength over plain marble work including returned moulded ends and angles to mouldings including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	Rmt			Per Running Metre	
5	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.	18.00	Rmt			Per Running Metre	
6	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)	10.80	Sqm			Per Square Metre	
7	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	21.60	Kg.			Per Kilo-gram	

				per Cubic Metre
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5.3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.22	Cum	
9	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.	13.50	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:- 3,55,620.00			
Name of Work :- Improvement & widening of Link road from Rajhana to Savi road Km 0/000 to 0/700.				Earnest Money :- 7,200.00			
(SH: C/O R/Wall between Km. 0/596 to 0/601).				Time:- 30 Days.			
Sr.N o.	Description	Qty.		Rates in Figs	Rates in Words	Unit	Amount
1	2	3		4	5	6	7
1	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.	41.55	Cum			Per Cubic Metre	
2	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).	4.90	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 1:4:8(One cement:Four sand:Eight graded stone agg:20mm (twenty millimetre) nominal size).	65.70	Cum			Per Cubic Metre	
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.	14.25	Cum			Per Cubic Metre	
5	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	42.00	Rmt			Per Runing Metre	
						Total	


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

SCHEDULE OF QUANTITY

5. Description of Work / Item (S) _____

1	Earth work in excavation by mechanized means (dry-digging excavator) / manual means in foundation trenches of ditches (not exceeding 1.5 m) (One point five meters in width or 10 sq m) (not Square Measure plan) in the basis of	2	3	4	5	6	7
1	Earth work in excavation by mechanized means (dry-digging excavator) / manual means in foundation trenches of ditches (not exceeding 1.5 m) (One point five meters in width or 10 sq m) (not Square Measure plan) in the basis of	2	3	4	5	6	7

2	Excavation in soil in Hilly Area by mechanical cutting and trimming of side slopes and disposal of excavated earth with a lift upto 1.5m and a lead upto 20m as per drawing and Technical Specification Clause 1603.1. Any damage to the private/public property during excavation will be restored by the contractor what so ever the nature of the same may be. The serviceable materials will be stacked to specified/dimensions in all leads and lifts as per directions of the Engineer-in-Charge.	92.10	Cum	Per Cubic Metre
3	Slopes cutting under floor property hand packed filling inetics with Kharaga stone and consolidated using binding materials complete as per FWD Specification including spreading waterline and rolling of leads and lifts and as per the direction of the Engineer-in-Charge.	15.00	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.	10.00	Cum	Per cubic Metre							
5	a) Cement Mortar 1:6; 1:2 (cement/sand; 1: graded stone aggregate; 40mm nominal size). b) Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203.	62.00	Cum	Per cubic Metre							
6	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8. a) Granular material.	20.00	Cum	Per cubic Metre							
7	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slope of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge.	15.00	Rm	Per cubic Metre							Total

SCHEDULE OF QUANTITY

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

Estimated Cost:- 4,82,056.00

Name of Work :- Special Repair of various residential Qtrs. type-I to VI at Kasumpti Shimla-9(SH: Reconstruction existing garage No.5 & 10 at Kasumpti Shimla).

Earnest Money :- 9,700.00

Time:- Two months

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate In figures	Unit	Amount
		In figures	In words			
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (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	
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)1:3:6 (One Cement : three coarse sand) : six graded stone aggregate 20 mm (twenty milimetre) nominal size)	9.90	Cum			
3	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.			

4	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 (twenty seven point five centimetre) 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) 80x0.90mm (eighty into ninety millimeter) M.S. laths with 0.90mm(zero point nine zero millimetre) thick top cover.	24.75	Sqm	Per Square Metre
5	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.	5.00	Nos	Each
6	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 lifts as per directions of the Engineer-in-Charge. (i) Cement mortar 1:4 (One cement : four coarse sand)	85.96	Sqm	Per Square Metre
7	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm (zero point six three millimetre) thick with zinc coating not less than 275 g/m ²	54.45	Sqm	Per Square Metre
8	15mm 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) 1:6 (One cement: six fine sand)	144.00	Sqm	Per Square Metre
9	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.	144.00	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.

Name of Work :-A/R & M/O to House No.2 Ground Floor at Brock Hurst Shimla-2 (SH: P/F HDF flooring in

**Estimated Cost:- 1,26,285.00
Earnest Money :- 2,600.00
Time:- 30 Days**

Bed room and Minor Repair work in House No.2 Ground floor at Brock Hurst Shimla-2).

Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing HDF decorative laminated coir board Graman floor AC-4 32.8mm thick placed on cushion of 2mm thick expanded poly thene foam 100 micron thick polythene under layer including boarder of required shade and colour complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	51.00	Sqm		Per Square Metre	
2	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.	27.00	Sqm		Per Square Metre	
3	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 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	1.87	Sqm		Per Square Metre	
4	Providing and fixing square edges cover fillets (Corner) 35mmx15mm 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)Pine wood.	10.80	Rmt		Per Running Metre	
5	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.	10.00	Sqm.		Per Square Metre	
6	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.	10.00	Sqm.		Per Square Metre	
7	Applying three coat of sealer filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of alk'l 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.	10.00	Sqm.		Per Square Metre	

8	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. i) 100mm	2.00	Nos	Each				
9	Providing fixing bright finished brass lower bolts (barrel type) with screws etc. complete including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. i) 150x10 mm	1.00	Nos	Each				
10	Providing and fixing bright finished brass sliding door-bolts and door stops etc. complete including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (ii) 100x100mm	1.00	Nos	Each				
11	Providing and fixing bright finished brass sliding door-bolts and door stops etc. complete including carriage of materials in all leads and liffs as per directions of the Engineer-in-Charge. (i) 150x16 mm	1.00	Nos	Each				

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.
Name of Work : Improvement Widening Kelti Barbu road Km.0/00 to 3/180 (SH: C/O Retaining Wall at RD. 1/150 to 1/160).

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate In figures In words	Unit	Amount
1	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) 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.	58.50	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) 1:4:8 (one Cement : four coarse sand : ten graded stone aggregate 40 mm(forty millimetre) nominal size)	4.30	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) 1:4:8 (one Cement : four coarse sand) ; eight graded stone aggregate 20 mm(twenty millimetre) nominal size)	65.60	Cum	Per Cubic Metre	
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.	9.00	Cum	Per Cubic Metre	

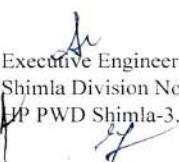
Executive Engineer,
Shimla Division No.1,
D.P.W.D Shimla-3.

[Signature]

							Total
	Per Running Metre	Per Rmt	50.00	abutment wing wall, return wall with 100 mm (One hundred millimetre) PVC pipe extending through the full width of the structures with slop of 1(v):20(H) towards drawing face complete as per drawing and technical specification clauses 614, 709, 1204, 3, 7, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.			

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3. Name of Work :- Improvement and widening of Chotta Shimla to Panthaghati road (SH: Providing and fixing of Speed breaker and Delinlator in Chotta Shimla to Panthghatti road at RD. 1/275).					Estimated Cost:- 96,040.00
					Earnest Money :- 2,000.00
					Time:- 60 Days.
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate	Unit	Amount
1	Providing and fixing Mode of study plastic, speed breakers are highly resident to severe impacts and harsh weather condition, its dovetail interlocking subunits make it bind perfectly into a one firm dump. The pre colour materials.(Black/Yellow) and UV Stabilizer keep them perpetually colorful, scudded with reflectors on either side, they are clearly visible to the motorists during night hours complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. AI-1006 Dimension:- 350x250mmx50mm 500x425x75mm 500x425x75mm Reflectors: RMMA in Amber colour & HP Material:- Moulded in ABS PC Alloy	16.00	Rmt In figures In words	Per Running Metre	
2	Supplying of M.S.Delinlator of 1.20m height and 75mm dia hollow pipe complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Nos	Each	
3	Supplying of 3M reflective tape 50mm height water proof complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	90.00	Rmt	Per Running Metre	
				Total	


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

SCHEDULE OF QUANTITY

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

Estimated Cost:- 3,74,268.00

Name of Work :- A/R & M/O Directorate of Co-Operative Societies, Block No.25, SDA Complex, Kasumpti, Shimla-9 (SH: C/O Reception room, Alteration in main entrance, P/F doors and windows etc.)

Earnest Money :- 7,500.00

Time:- 60 Days.

Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position 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	0.165	Cum		Per Cubic Metre	
2	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. (a) 40mm thick shutters (i) Second class teak wood.	4.39	Sqm		Per Square Metre	
3	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)35 mm thick shutters(A)with ISI marked M.S. pressed butt hinges bright finished of required size (a)Second class teak wood.	1.07	Sqm		Per Square Metre	
4	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)125mm	6.00	Nos		Each	
	(ii) 200mm	6.00	Nos		Each	
5	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. (i) 200x10mm	6.00	Nos		Each	
	(ii) 150x10mm	12.00	Nos		Each	
6	Providing and fixing bright finished brass sliding door-bolts with nuts and screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)250x16mm	1.00	Nos		Each	
	(ii) 300x16mm	1.00	No		Each	
7	Providing and fixing 150mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos		Each	

8	Providing and fixing bright finished hard drawn hooks and eyes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150mm	6.00	Nos			Each	
9	Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 12mm thick	20.34	Sqm			Per Square Metre	
10	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With float glass panes of 8 mm thickness (weight not less than 20 kg/ sqm)	1.30	Sqm			Per Square Metre	
11	Providing cutting of glass by manual/ mechanical means including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
12	Providing & 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)4.0 mm thick glass panes	8.23	Sqm			Per Square Metre	
13	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.	5.25	Sqm			Per Square Metre	
14	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.26	Sqm			Per Square Metre	
15	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.	3.15	Sqm			Per Square Metre	
16	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.	3.94	Sqm			Per Square Metre	

17	Applying three coat of sealer filling on new wood and new wood based surfaces to given an even surface including clearing the surface of alkali dirt, dust and sand particles so as to produce a smooth dry and matt surface including stoppling & knotting including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge.	43.72	Sqm.		Per Square Metre
18	Supplying and fixing new wooden moulded corner beading of triangular shape to the junction of in all leads and liffs as per directions of the Engineer-in-charge. (i) 2nd class leak wood fillets in all leads and liffs as per directions of the Engineer-in-charge.	200.60	Rmt		Per Running Metre
19	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panel lining etc. with iron screws, plugs and priming coat on unexposed surface etc. completing including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge. (ii) 2nd class leak wood. (a) 40x40 mm (base and height)	17.00	Rmt		Per Running Metre
20	Applying priming coat including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge. (i) With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard and soft wood)	9.66	Sqm.		Per Square Metre
21	Painting with synthetic enamel paint of approved brand and manufacturer to give an even shade including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge. (ii) Two or more coats on new work	9.66	Sqm.		Per Square Metre
22	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 cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge.	2.30	Cum		Per Cubic Metre
23	20 mm cement plaster of mix including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge. (i) 1:4 (1 cement: 4 (1 cement: 4) sand)	10.00	Sqm.		Per Square Metre
24	15 mm cement plaster on the rough side of single or half brick wall of mix including cartilage of materials in all leads and liffs as per directions of the Engineer-in-charge. (i) 1:4 (1 cement: 4 sand)	10.00	Sqm.		Per Square Metre

25	Providing and fixing 1.5mm 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,L.G.	8.84	Sqm	Per Square Metre
26	Providing settee cushion of sleepwell with cover and zip including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i) 75mm thick	1.71	Sqm	Per Square Metre
27	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) Old work (one or more coats)	50.00	Sqm	Per Square Metre
28	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	Sqm	Per Square Metre
29	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.	50.00	Sqm	Per Square Metre
30	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)One or more coats on old work	50.00	Sqm	Per Square Metre
31	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	97.41	Kg.	Per Kilogram
32	Repairs to plaster in patches of 2.50 Sq.M and under and 10 to 15mm thick including cutting the patch in proper shape and replastering the surface of the wall including disposal of rubbish to the dumping ground within a Lead of 20 metres with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement Mortar 1:4(1cement :4sand)	20.00	Sqm	Per Square Metre
33	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15x10x10cm with cement concrete 1:3:6(1cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complelge, including disposal of rubbish to the dumping ground, all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Door chowkats.	1.00	No	Each
	(ii) Clerestory window chowkhats	2.00	Nos	Each

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	Per Square Metre	Per Square Metre	Per Square Metre	Per Square Metre	Per Square Metre	Per Square Metre	Total
34	Provide and fixings in fixing in position collapsible steel shutters with vertical channels 20 mm X 10 mm X 2mm and braced with vertical channels 20 mm X 5 mm size with top and bottom rails of 40 mm iron 40 mm X 6 mm with 40 mm dia steel pulley complete with bolts and nuts locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.65	5qm	3.65	5qm	3.65	5qm
35	Painting with synthetic enamel paint 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.	5.47	5qm	5.47	5qm	5.47	5qm
36	Polishing two coats with P.U. polish of required shade on new wood and wood based surfaces to give an even surface including the surface of all dirt, dust and sand particles including a coat of wood filler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	43.72	5qm	43.72	5qm	43.72	5qm
37	Applying sealer on wood and wood based surfaces to give an even surfaces including surface including the surfaces of all dirt, dust and sand particles including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	43.72	5qm	43.72	5qm	43.72	5qm
38	Providing and fixing bubble plastic sheet for paneling including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	5qm				

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 1,90,917.00		
Name of Work :- A/R & M/O to various residential quarter under Kasumti Shimla-9 (SH:Renovation of Kitchen, Painting/ Distempering and minor repair work in set No.3 at Driver Colony Dhalli Shimla-9).				Earnest Money :- 3,900.00		
				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 mateirals in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty milimetre)	18.62	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 mateirals 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 mateirals 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

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

24	Providing and fixing 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.	16.80	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.	12.00	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.	15.00	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.	10.00	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	20.00	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.	52.00	Sqm		Per Square Metre
33	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	3.00	Nos		Each

34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)110 mm dia.	6.00	Rmt		Per Running Metre
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	2.00	Nos		Each
36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 10 mm (one hundred ten milimetre) 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.	50.00	Sqm		Per Square Metre
	b) With enamel paint other than white				
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				
39	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint	10.00	Sqm		Per Square Metre
40	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	Sqm		Per Square Metre
41	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) 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
43	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3(Cement:3sand) including jointing with cement mortar 1:2:1 white cement: 2 marble dust) with an admixture of pigment to match the shade of the marble. 20mm thick white green marble including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.72	Sqm			Per Square Metre
44	Providing and fixing 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 fifty into four hundred fifty 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

Item No.	Each	Total
19 Providing and Fixing vitreous china wash down water closet (European type WC, pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar. (One cementation sand) (seal 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. (1) Ordinary closet	1.00 No	

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DRAFT 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 quarter under Sub-Division No.VIII Shimla-9 (Sh) Repair of damaged C.G.I. roof Cottage No.3 and minor repair work in various sets at Brock Hurst Shimla-2]

Estimated Cost:- 1,70,076.00
Earnest Money :- 3,500.00
Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty	Estimated Rate	Unit	Amount
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	94.25	Rs. 84.05	Per Sqm	Rs. 7922.00
2	Providing corrugated G.I. sheet roofing vertical/curved surface fixed with polymer coated J no L 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)6.63mm thick sheet.	94.25	Rs. 1350.25	Per Sqm	Rs. 131031.00
3	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) In gratings, framed guards bars ladders, railing, brackets and similar work.	30.00	Rs. 107.40	Per Kilo	Rs. 3222.00
4	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Enamel paint other than white.	50.00	Rs. 30.16	Per Sqm	Rs. 4030.00
5	Scaffolding in building side wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	165	Rs. 105.00	Per Metre	Rs. 17325.00
6	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	1.30	Rs. 56.75	Per Metre	Rs. 75.00
7	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. (ii)0.63 mm thick sheet	1.20	Rs. 875.48	Per Metre	Rs. 1048.00

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8	Providing flushing 38cm, overall in plain G.I. sheet fixed with galvanised iron, J or L hooks, bolts and nuts, G.I. impert washer and bitumen washers complete been to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of material in all leads and liffs as per directions of the Engineer-in-Charge.	0.80	Rmt	Per Runnning Metre	Per Sheet	Providing and fixing M.S. B.P Sheet 1.66mm to 2mm (One point sixty six millimetre to two millimetre) thick in eaves board /Racia /Softts 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 liffs as per directions of the Engineer-in-Charge.	1.82	Sq.m.	Per Square Metre	Total
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Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

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