

Himachal Pradesh  
Public Works Department

No. PW-SD-I-CTR- Tender-NIT/2022-2023-

4589-90

Dated:- 1-6-22

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 16<sup>th</sup> July 2021 as the works mentioned in the tender notice are urgent in nature and in public interest.

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

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

Copy forwarded to for further necessary action please.

1. The Superintending Engineer 4<sup>th</sup> Circle HPPWD Shimla .

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



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

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

1. Date of receipt of application for tender forms:-
2. Dated of Issue /sale of tender forms:-
3. Date of receipt of tender:-
4. Date of opening of tender:-

09-06-2022 upto 4:00 PM  
10-06-2022 upto 4:00 PM  
13-06-2022 up to 10:30 AM  
13-06-2022 up to 11:00 AM

Sr. No.	Name of Work	Estimated cost	EMD(Rs.)	Cost of Tender (Rs.)	Time Limit	Eligible class of Contractor
1	Improvement and widening of road under Kasumpti Sub Division Kasumpti Shimla-9 (SH:- C/O Breast wall at RD. 0/150 to 0/166 Brock Hurst to Vikas Nagar road).	187976/-	3800/-	350/-	30 days	Class-D
2	A/R & M/O to various residence Brock Hurst Shimla -9 (SH:- Renovation of toilet bath , Ceiling cup board and minor repair work in type-III set No. 160,161 and 170 at Kasumpti Shimla-9).	232506/-	4700/-	350/-	30 days	Class-D
3	A/R & M/O to various residential Qtrs at Kasumpti Shimla-9 (SH:- Providing and fixing interlocking paver blocks in approach road to type-V set No. V set NO.15 to 18 at Kasumpti Shimla-9).	483293/-	9700/-	350/-	30 days	Class-D
4	A/R & M/O to Various residential Qtrs under Kasumpti Sub Division Shimla-9 (SH:- Painting work in type-II,I under Kasumpti sub Division Shimla-9).	342310/-	6900/-	350/-	30 days	Class-D
5	A/R & M/O Vikas nager to Kasumpti Via SDA Complex Road km. 0/00 to 0/550 (SH:- Fixation of missing railing , painting in railing etc. under parmahal section).	99443/-	2000/-	350/-	30 days	Class-D
6	A/R & M/O various type-III and type-IV GAD Qtrs at parimahat Kasumpti Shimla-9 (SH:- Painting and Distempering in type-III 46 and type-IV 59 and other GAD Qtrs on due/vacation under parimahat section).	99898/-	2000/-	350/-	30 days	Class-D
7	A/R & M/O various type-III & Type-IV GAD at parimahat Kasumpti Shimla-9 (SH:- Repair work in toilet , bathroom, kitchen, P/F cup board , white washing /distempering etc. in type-III set No.3 under parimahat section).	312043/-	6300/-	350/-	30 days	Class-D
8	C/O of Science Lab at Govt. Senior Secondary School Junga (SH:- Providing and laying M.S Grills in Windows).	98255/-	2000/-	350/-	30 days	Class-D
9	Improvement of Curve in Shoghi mehli Junga Sdhupul road km. 2/375 to 48/925 (SH:- Widening of curves between Rd. 25/240 to 25/315).	493004/-	9900/-	350/-	30 days	Class-D
10	Improvement of curve in koti junga road km. 0/00 to 12/405 (SH:- Widening of curves between Rd. 1/825 to 1/855).	96429/-	1900/-	350/-	30 days	Class-D
11	Improvement of old Kasumpti Junga road km. 0/00 to 11/200 (SH:- Providing and laying G-I and Concrete between RD. 1/00 to 1/0.150).	103758/-	2100/-	350/-	30 days	Class-D
12	C/O way side amenities on Chamyana to Surala road km. 0/00 to 2/250 (SH:- C/O Rain Shelter bifurcation of chamyana Bus Stop at Rd. 0/00)	260694/-	5300/-	350/-	30 days	Class-D
13	A/R & M/O to type-I to VI at Mehli Kasumpti Shimla (SH:- Painting and Distempering due and vacant set Type-I, set no.2 & 3 Type-II set no.8,11,20 & 25 type-III set no.14 at Mehli Kasumpti Shimla).	90201/-	1900/-	350/-	30 days	Class-D
14	Restoration of Rain Damages on Janedghat Dubloo road km. 0/00 to 15/020 (SH:- Removal of slips between RD. 1/785 to 6/580).	80647/-	1700/-	350/-	15 days	Class-D
15	Restoration of Rain Damages on Challanda link road km. 0/00 to 4/800 (SH:- C/O R/wall at RD. 3/664 to 3/680).	474028/-	9700/-	350/-	30 days	Class-D
16	A/R & M/O Bhatta kuffer to koti road km. 0/00 to 6/885 & Chamyana to Surala road km. 0/00 to 6/00 Dhalli section (SH:- Repair of pot holes koti road and surala road).	483271/-	97000/-	350/-	30 days	Class-D
17	A/R & M/O to various GAD Qtr at Kasumpti Shimla -9 (SH:- Providing and fixing Chequered tiles in Lawns and path at Kasumpti Shimla-9).	462540/-	9300/-	350/-	60 days	Class-D
18	A/R & M/O to various GAD Qtrs at Kasumpti Shimla-9 (SH:- Repair work in kitchen ,toilet bathroom , PF cup board white washing /distempering in type-III set no.02 under parimahat section).	201115/-	4100/-	350/-	60 days	Class-D
19	A/R & M/O to various type-III & Type-IV GAD at parimahat Kasumpti Shimla- (SH:- Repair work in toilet, bathroom, kitchen, P/F cup board vitrified tiles, white washing/ /distempering etc in type-III set no.68 under parimahat section Shimla-9).	264663/-	5300/-	350/-	60 days	Class-D
20	Improvement and Widening cheri to Village Nehari road km. 0/00 to 2/705 (SH:- C/O Breast wall at RD. 0/705 to 0/725).	314307/-	6300/-	350/-	60 days	Class-D
21	C/O way side amenities on Neri to Chari road km. 0/00 to 2/250 (SH:- C/O Rain Shelter Neri Bus Stop at Rd. 2/165).	260694/-	5300/-	350/-	60 days	Class-D
22	A/R & M/O to vigilancwe headquarter at Khalini Shimla -2 (SH:- Painting work of roof and balance protion).	135891/-	2800/-	350/-	30 days	Class-D
23	A/R & M/O to various roads under Shimla Division No-I under Mashobra sub Division (SH:- Repair of patches work in various road in Shimla Tattapani road in km. 8/00 to 9/00, 12/00 to 13/00 & 15/00 to 16/00).	486723/-	9800/-	350/-	60 days	Class-D



24	A/R & M/O of various residential qtrs at Kasumpti (SH:- Polycarbonate sheet between House No.14 & 10 type-VI at Mehli Kasumpti Shimla).	168455/-	3400/-	350/-	30 days	Class I
25	Improvement of curve in Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Widenign of curves between Rd. 47/825 to 47/300).	87579/-	1800/-	350/-	30 days	Class D
26	Improvement of old Kasumpti Junga Road km. 0/00 to 11/00 (SH:- C/O PCC V-Shape Drain at Rd. 0/00 to 0/830).	94964/-	1900/-	350/-	30 days	Class-D
27	A/R & M/O New and Old Hostel Block of SIHFW at parimahal Kasumpti Shimla-9 (SH:- Interior / exterior white washing/distempering in new and old Hostel Block of SIHFW at Parimahal under parimahal section).	449813/-	9000/-	350/-	60 days	Class-D
28	A/R & M/O to transit accommodation Block No.1 & 2 near ground Kasumpti Shimla-9 (SH:- Repair of CGI sheet roof over wooden truss in Block No.1 & 2 near Rani Ground Kasumpti Shimla).	484290/-	9700/-	350/-	60 days	Class-D

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

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-I 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.

No.PW-SD-I/CB-Tender/2022-2023-

Copy forwarded to :-

1. Copy to the Deputy Commissioner Shimla Distt. Shimla.
2. Copy to the Executive Engineer Shimla Division No-III 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.

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

Dated :- 01-06-2022.

Executive Engineer,  
Shimla Division No-I.,  
HPPWD., Shimla.

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,87,976.00	
Name of Work :- Improvement and widening of road under Kasumpti Sub-Division Kasumpti Shimla-9						Earnest Money :- 3,800.00	
(SH: C/O Breast Wall at RDs. 0/150 to 0/166 Brock /Hurst to Vikas Nagar road).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour ( if required ) Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges. (i)All kinds of soil	23.20	Cum			Per Cubic Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre)on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width , camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	4.00	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 1:3:6 (one cement:six sand:twelve graded stone agg.40mm (forty milimetre) nominal size).	9.60	Cum			Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm(twenty milimetre) nominal size)	14.40	Cum			Per Cubic Metre	
5	Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.29	Tonne			Per Tonne	
6	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm (One hundred milimetre) dia PVC pipe extending through the full with 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 directions of the Engineer-in-Charge.	10.00	Rmt			Per Running Metre	
7	Disposal of earth work complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	27.20	Cum			Per Cubic Metre	
						<b>Total</b>	

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

### SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.W.D., SHIMLA-3.						Estimated Cost:- 2,32,506.00	
Name of Work :- A/R & M/O to various residence Brock Hurst Shimla-9 (SH: Renovation of Toilet,						Earnest Money :- 4,700.00	
Bath, Ceiling, Cup board, and minor repair work in Type-III set No.160,161, and 170 at Kasumpti Shimla-9).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty millimetre)	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/c equivalent design mix).	0.43	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(I) Of area 3 sq. metres and below	2.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1.49	Cum			Per Cubic Metre	
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm			Per Square Metre	
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5(seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in.(i) Cement mortar 1:4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	

10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight milimetre) thick	28.93	Sqm			Per Square Metre	
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre)thick cement mortar 1:4 (one Cement: four Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	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 milimetre) thick cement mortar 1:4 (One cement : four coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Size of tile 600x600mm (six hundred into six hundred milimetre)	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 milimetre) 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 Kilo-gram	



16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty 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 I.S. gauge designation 85 G, with wire of dia 0.56 mm (zero point five six milimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty milimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.26	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos			Each	
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen milimetre)	2.00	Nos			Each	
24	Providing and fixing aluminum tower bolts (barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	



25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty millimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	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. (a) 6mm thick.	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.	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 (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.	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
39	Extra over item for every subsequent coat of paint on wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	50.00	Sqm			Per Square Metre
	b) With enamel paint other than white.	50.00	Sqm			Per Square Metre
40	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) With white enamel paint	50.00	Sqm			Per Square Metre
41	Extra over item for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) With white enamel paint	5.00	Sqm			Per Square
42	Distemping (one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface free of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	200.00	Sqm			Per Square Metre
43	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.	200.00	Sqm			Per Square Metre
44	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3 (1 cement:3 sand) 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



45	Providing and fixing vitreous China Hind ware IS marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred milimetre)	1.00	Nos			Each	
46	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 milimetre) with bowl depth 200 mm (two hundred milimetre).	1.00	No			Each	
47	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 milimetre) dia	1.00	No			Each	
48	Providing & fixing 32 mm (thirty two milimetre) 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	
49	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	
50	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	
51	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	
52	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	
53	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	
54	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	
55	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	

56	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	
57	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	
58	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	
59	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	
60	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	
61	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	
62	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	
63	Providing and fixing 1.50mm(One point five zero milimetre) 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/Equivalent.	32.00	Sqm			Per Square Metre	
						Total	

  
 Executive Engineer  
 Shimla Division No. 1  
 Shimla Division No. 1  
 HPPW



## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,83,293.00	
Name of Work :- A/R and M/O to various residential Qtrs. at Kasumpti Shimla-9 (SH: Providing and fixing interlocking paver blocks in approach road to type-V set no-15 to 18 at Kasumpti shimla-9).						Earnest Money :- 9700.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling manually/ by mechanical means including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 50 mtrs.(fifty metres)lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. :- Bituminous road	200.00	Sqm			Per Square Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil. including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost) Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	20.00				Per Cubic Metre	
			Cum				
3	Providing and laying in position cement concrete in retaining wall, return wall, wall ( any thickness ) including attached pillar, columns, piers, abutment, pillars, posts, struts, buttresses, string or facing courses, parapets, coping, bed block, anchor, plain window sills, fillets, sunken floor etc of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:1.5:10 (One cement : five coarse sand): ten graded stone aggregate 40 mm(forty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10	Cum			Per Cubic Metre	
	(ii) 1:3:6 (One cement : three coarse sand): six 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.	8.37	Cum			Per Cubic Metre	

4	Providing and laying 40mm thick factory made cement concrete interlocking paver block of M-50 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Through rate	177.50	Sqm			Per Square Metre	
5	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.	75.00	Cum			Per Cubic 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	420	Kg.			Per Kilogram	
						<b>Total</b>	

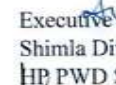
  
 Executive Engineer,  
 Shimla Division No.1,  
 HP PWD Shimla-3.



## SCHEDULE OF QUANTITY

<b>Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.</b>						<b>Estimated Cost:- 3,42,310.00</b>	
<b>Name of Work :- A/R and M/O to various residential Qtrs.under kasumpti sub division shimla-9 (SH: Painting work in Type -II, I under kasumpti sub division shimla -9).</b>						<b>Earnest Money :- 6,900.00</b>	
						<b>Time:- 60 Days.</b>	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Removing dry or oil bound distemper, 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.	100.00	Sqm			Per Square Metre	
2	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.	150.00	Sqm.			Per Square Metre	
3	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	500.00	Sqm			Per Square Metre	
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With white enamel paint.	300	Sqm			Per Square Metre	
	b) Enamel paint other than white	200	Sqm			Per Square Metre	
5	Extra over item for every subsequent coat of paint on previously painted wood and wood based surface with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)With white enamel paint	100.00	Sqm.			Per Square Metre	
	ii) With enamel paint other than white.	100.00	Sqm.			Per Square Metre	
6	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)With Enamel paint other than white	100.00	Sqm.			Per Square Metre	


7	Extra over item for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) With Enamel paint other than white	50.00	Sqm.			Per Square Metre	
8	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equivalent on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1404.00	Sqm			Per Square Metre	
9	Scaffolding in building side wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	900.00	Sqm			Per Square Metre	
						<b>Total</b>	

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



## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 99,443.00		
Name of Work :- A/R & M/O Vikas nagar to Kasumpti via SDA Complex Road Km.0/00 to 0/550(SH: Fixation of missing railing, Painting in railing etc. under Parimahal Section).					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	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.	470.00	Sqm			Per Square Metre	
2	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarled on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	108.00	Sqm			Per Square Metre	
3	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) In gratings, framed guards bars ladders, railing, brackets and similar work.	4.54	Qtl.			Per Quintal	
4	Painting with synthetic enamel paint of approved brand and manufacture to givr an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Two or more coats on new work.	27.04	Sqm			Per Square Metre	
5	Satna lime wash on walls with one coat including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.40	Sqm			Per Square Metre	
						<b>Total</b>	

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

# SCHEDULE OF QUANTITY

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

**Estimated Cost:-** 99,898.00

**Name of Work :-** A/R & M/O various type-III and type-IV GAD Qtrs. at Pari Mahal, Kasumpti, Shimla-9 (SH:

**Earnest Money :-** 2,000.00

**Painting and Distemping in Type-III 46 and type-IV 59 and other GAD Qtrs. on due/vacation under**

**Time:-** 30 Days.

**Parimahal Section).**

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	747.52	Sqm			Per Square Metre	
2	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.	669.52	Sqm			Per Square Metre	
3	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	334.76	Sqm			Per Square Metre	
4	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	440.70	Sqm			Per Square Metre	
5	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equalied on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	Sqm			Per Square Metre	
						<b>Total</b>	

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



# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 3,12,043.00	
Name of Work :- A/R & M/O various Type-III & Type-IV GAD at Parimahal Kasumpti Shimla-9 (SH: Repair work in Toilet, Bathroom, Kitchen, P/F Cup board. White washing/distempering etc. in Type-III set No.23 under Parimahal Section)						Earnest Money :- 6,000.00 Time:- 60 Days	
Sr. No	Description of Work / Item (S)	No of Qty		Estimated Rate		Unit	Amount
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	1.30	Cum			Per Cubic Metre	
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)For thickness of tiles 10 mm to 25 mm	21.20	Sqm			Per Square Metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Of area 3 sq. metres and below.	1.00	Nos			Each	
4	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 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size).	1.41	Cum			Per Cubic Metre	
	(ii) 1:2:4 (1 cement 2 coarse sand 4graded stone aggregate 20mm nominal size).	0.03	Cum			Per Cubic Metre	
5	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete	7.40	Sqm			Per Square Metre	
6	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	35.44	Sqm			Per Square Metre	

7	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each	
8	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 10 litre capacity - White	1.00	No			Each	
9	Providing and fixing 8mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer-in-Charge.	1.00	No			Each	
10	Providing and fixing 100 mm sand cast Iron grating for gully trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
11	Providing and Fixing <b>C.P. Brass Towel ring</b> 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 long towel rail with total length of 645mm,width 78mm and effective height of 88mm weighing not less than 88 gms.	1.00	No			Each	
12	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
13	Providing and fixing 600x450mm beveled edge mirror of superior glass(of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
14	Providing and fixing chromium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (E.S.) MAKE Seiko or Equivalent	2.00	Nos			Each	
15	Providing and fixing C.P. Brass bib cock of approved quality conforming to IS: 8931 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm nominal bore.	3.00	No			Each	
16	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm nominal bore with 45cm length.	5.00	Nos			Each	



17	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Flexible pipe (a) 32mm dia	2.00	Nos			Each	
18	Providing and fixing 600x120x5mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws, rawl plugs etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
19	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm nominal bore	9.00	Nos			Each	
20	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)15 mm dia nominal bore	19.00	Rmt			Per Running Metre	
21	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)15 mm nominal bore	3.00	Nos			Each	
22	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) 10 mm dia.	5.50	Rmt			Per Running Metre	
	b) 90mm dia	16.00	Rmt			Per Running Metre	
23	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia	1.00	No			Each	
	(b) 90mm dia	1.00	No			Each	
24	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	
	b) 90mm (Ninety milimetre)dia	5.00	Nos			Each	

25	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.	5.00	Nos			Each	
	(b) 90 mm dia.	1.00	No			Each	
26	Providing and fixing PVC reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 110x90 mm dia	1.00	No			Each	
27	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.	4.00	Nos			Each	
28	Providing and fixing PVC single equal branch plain 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.	1.00	No			Each	
	(b) 90 mm dia.	1.00	No			Each	
29	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	2.28	Sqm			Per Square Metre	
30	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black 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	1.03	Sqm			Per Square Metre	
31	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150x10mm	8.00	Nos			Each	
	(ii) 200x10mm	1.00	No			Each	
32	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.(a) 125mm	4.00	Nos			Each	
33	Providing and fixing bright finished brass hard drawn hooks and eyes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 200mm	2.00	Nos			Each	



34	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.	22.88	Sqm			Per Square Metre	
35	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.	6.79	Sqm			Per Square Metre	
36	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.	9.01	Sqm			Per Square Metre	
37	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.	34.55	Sqm			Per Square Metre	
38	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	66.90	Rmt			Per Running Metre	
39	Providing and fixing bright finished brass ball catcher 10 mm dia including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	40.00	Nos			Each	
40	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	20.00	Nos			Each	
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)	173.15	Sqm			Per Square Metre	
42	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	173.15	Sqm			Per Square Metre	
43	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacture, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	149.14	Sqm			Per Square Metre	

44	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.	130.46	Sqm			Per Square Metre	
45	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.	79.88	Sqm			Per Square Metre	
46	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.	79.88	Sqm			Per Square Metre	
47	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 2nd class deodar wood	0.021	Cum			Per Cubic Metre	
48	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. a) Cement Mortar 1:5 (1 Cement : 5 Sand)	5.46	Sqm			Per Square Metre	
49	Providing and fixing C.P. brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-Charge.	2.00	Nos			Each	
50	Providing and fixing 15mm mixer for kitchen sink with top/ bottom swinging spout including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
51	Providing and fixing one hole basin mixing faucet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
52	Providing and fixing wall mixing faucet for shower and bath hand shower with angular and Rest Holder including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
53	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3 (1 cement: 3 sand) 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.	2.39	Sqm			Per Square Metre	


54	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 110 mm (One hundred ten milimetre)Dia.	1.00	No			Each	
	(ii) 90mm Dia	3.00	Nos			Each	
55	Providing and fixing vitreous china wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Flat back (i) 550mm x 400mm	1.00	No			Each	
56	Providing and fixing C.P. Brass waste for wash basin or sink complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 32mm nominal dia	1.00	No			Each	
57	Providing and fixing 1.50mm thick PVC antistatic vinyl Flooring plain or coloured, carbed or mosaic/metalled finish laid with approved adhesive on sub-floor (damp proofing treatment to be paid for separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. MAKE LG	34.79	Sqm			Per Square Metre	
58	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	16.23	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:- 98,255 .00	
Name of Work :- Construction of Science Lab at Govt Senior Secondary School Junga ( SH: Providing and Laying M.S Grills in Windows).						Earnest Money :-2,000.00	
						Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
Sr.No.	Description	Qty.		In figures	In words	Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Providing and fixing M.S. grills of required pattern in wooden frame of window etc. with M.S. flat square rounded bars with round headed bolt & nuts and screws including priming coat with approved steel primer all complete fixed to openings/wooden frame with rawal plugs screws etc. Including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	637.19	kg			Per Kilogramme	
						<b>Total</b>	<b>0</b>

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 493004.00	
Name of Work :- Improvement of Curve in Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925.						Earnest Money :- 9,900.00	
(SH :- Widening of curves between RD 25/240 to 25/315).						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Cutting in earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.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 <b>216.91 Cum @ 300/- (Three hundred only )</b> 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.	1301.49	Cum			Per Cubic Metre	
						<b>Total</b>	

  
 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 :-** Improvement of Curve in Koti Junga road Km 0/000 to 12/405. (SH :- Widening of curves between RD 1/825 to 1/855).

**Estimated Cost:-** 96429

**Earnest Money :-** 1,900.00

**Time:-** 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Cutting in earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.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. It 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.	387.50	Cum			Per Cubic Metre	
						<b>Total</b>	

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:- 103758.00**

**Name of Work :- Improvement of Old Kasumpti Junga road Km 0/00 to 11/200 (SH:- Providing and laying G-I and Cement Concrete between Rd .1/00 to 1/0.150).**

**Earnest Money :- 2,100.00**

**Time:- 30 Days.**

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
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 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.	24.30	Cum			Per Cubic Metre	
2	Providing Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3(three) wheeled road/ vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density Grading -I including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	12.15	Cum			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - machanically mixed and curing complete including carriage of materials in all leads and lifts as per the 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)	12.15	Cum			Per Cubic Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

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

**Estimated Cost:- 2,60,694.00**

**Name of Work :- Construction of way side amenities on Chamyana to Surala road Km.0/00 to 6/525 (SH:**

**Earnest Money :- 5,300.00**

**C/O Rain Shelter at bifurcation of Chamyana road at RD. 0/00).**

**Time:- 60 Days.**

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour ( if required ) Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges. (i)All kinds of soil	7.20	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) : eight graded stone aggregate 40 mm(forty milimetre) nominal size)	4.60	Cum			Per Cubic Metre	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	9.44	Cum			Per Cubic Metre	
4	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)Foundations, footings, bases of columns, etc. for mass concrete	15.60	Sqm			Per Square Metre	
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, upto all leads including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	4.00	Cum			Per Cubic Metre	

6	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 40 mm thick with 20 mm nominal size stone aggregate.	12.00	Sqm			Per Square Metre	
7	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1479.20	Kgs			Per Kilo-gram	
8	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 the directions of the Engineer-in-Charge. (i) In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	348.54	Kg.			Per Kilo-gram	
9	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of 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.	16.00	Sqm			Per Square Metre	
10	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1.60mm thick with zinc coating not less than 350 gm/m <sup>2</sup>	4.00	Rmt			Per Running Metre	
11	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	4.00	Rmt			Per Running Metre	
						<b>Total</b>	

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



# SCHEDULE OF QUANTITY

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

Estimated Cost:-90,201.00

Name of Work :- A/R & M/O to Type-I to VI at Mehli Kasumpti Shimla (SH: Painting and Distemping due and vacant set Type-I, set No.2 & 3 Type-II set No.8,11,20 & 25, Type-III set No.14 at Mehli Kasumpti Shimla).

Earnest Money :- 1,900.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	532.43	Sqm			Per Square Metre	
2	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.	532.43	Sqm			Per Square Metre	
3	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	1216.20	Sqm			Per Square Metre	
4	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) With white enamel paint.	325.11	Sqm			Per Square Metre	
						Total	

DNIT approved for Rs.90,201/- Only (Rupees Ninety thousand two hundred one only ) vide DNIT Register No. .... the financial year 2021-22.

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

# SCHEDULE OF QUANTITY

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

Estimated Cost:- 80,647 .00

Name of Work :- Restoration of rain damages on Janedghat Dubloo road km.0/00 to 15/020 ( SH:

Earnest Money :- 1700.00

Removal of Slips between Rd 1/785 to 6/580).

Time:- 15 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
Sr.No.	Description	Qty.	Rates in		Unit	Amount
1	2	3	Figs	Words	6	7
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slops and disposal of cut material within all leads and lifts as per technical specification 302.3.5 and 1611 as per directions of the Engineer-in-Charge.	687.00	Cum		Per Cubic Metre	
					<b>Total</b>	

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

Name of work:- Restoration of Rain Damages on Challanda Link Road Km. 0/00 to 4/800 (SH- C/O R/Wall at RD.3/664 to 3/680)

Earnest Money	Rs. 9700/- Only
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Time - 30 Days

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

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




### SCHEDULE OF QUANTITY

Estimated Cost: Rs.4,83,271/-only  
Earnest Money: Rs. 9665,00/-only  
Time allowed : One Month

Tender Inviting Authority: EXECUTIVE ENGINEER SHIMLA DIVISION NO-1, HPPWD SHIMLA-3

Name of work: - A/R & M/O Chamayana to Surala road RD/ KM 0/0 to 6/00 (SH:- Repair of Pot Holes on Chamayana Surala road)

Sr. No	Description	Qty.	Rates in		Unit	Amount.
			Figs.	Words.		
1	2.	3.	4.	5.	6.	7.
1	Repair to Pot Holes and removal of loose material trimming of side cleaning of surface by providing tack coat 20mm thick premix carpet and seal coal type B Specification.	2090.00			Per Sqm	
					<b>Total RS</b>	

  
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:- 4,62,540.00	
Name of Work :- A/R & M/O to various GAD Quarter at Kasumpti Shimla-9(SH: Providing and fixing chequered tiles in Lawns and path at Kasumpti Shimla-9).						Earnest Money :- 9,300.00	
						Time:- 60 Days	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Steel work welded in built up sections, trusses and framed work including cutting 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.	1000.00	Per Kg.			Per Kilogram	
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 the 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)	8.00	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)1:5:10 (one cement : five fine sand : ten graded stone aggregate 40 mm(forty milimetre) nominal size)	3.60	Cum			Per Cubic Metre	
4	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)Light shade pigment using white cement.	210.00	Sqm			Per Square Metre	
						<b>Total</b>	

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

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No.1, H.P.P.W.D., SHIMLA-3	Estimated Cost:- 2,01,115.00
Name of Work :- A/R & M/O to various GAD Qtrs. at kasumpti Shimla-9 (SH. Repair work in Kitchen, Toilet, bathroom, P/F Cup board white washing/ distempering in Type-III set No.02 under Parimahal Section).	Earnest Money :- 4,100.00
	Time:- 60 Days

Sr No	Description of Work / Item (S)	No of Qty		Estimated Rate		Unit	Amount
				In figures	In words		
1	Demolition below G.L. upto all floor level including disposal of unserviceable materials within 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (i) un-reinforced cement concrete more than 15 cm (fifteen centimetre) Thickness.	1.09	Cum			Per Cubic Metre	
2	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs. (Twenty metres) lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm (Twenty millimetre)	21.20	Sqm			Per Square Metre	
3	Providing and laying cement concrete 1:4:8 (1 cement:4 sand:8 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work in foundation and plinth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.09	Cum			Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	0.03	Cum			Per Cubic Metre	
5	Providing and laying spartic ceramic tiles in flooring (300 x300mm. size) treads of steps laid on a bed of 12mm. thick cement mortar 1:3 (1 cement : 3 sand) finished with flush pointing in white cement including carriage of materials upto all leads and lifts as per the direction of the Engineer-in-Charge. <b>Make NITCO/KAJARIA/ORIENT</b>	7.40	Sqm			Per Square Metre	
6	White /coloured digital tiles in skirting risers of steps and dado 12 mm thick cement mortar 1:3 (1 cement :3 sand) and jointed with cement slurry including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. <b>Make NITCO/KAJARIA/ORIENT</b>	35.44	Sqm			Per Square Metre	
7	Providing and fixing vitreous China wash down ,water closet European type W.C. pan with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement:1 sand) (Seat and over to be measured & paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Anglo Indian (Universal Closet) White vitreous china wash down water closet ACS-21-S MAKE BATH SENSE colour white	1.00	No			Each	



8	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 MAKE BATH SENSE CAT NO. SC-21-AC.	1.00	No			Each	
9	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	
10	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
11	Providing and fixing <b>C.P. grating for floor traps or Nahani trap</b> including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100mm dia	4.00	Nos			Each	
12	Providing and fixing C.P. Brass Towel rail coplete with C.P. Brass brackets fixed to wooden pluges with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) <b>600mm x 20mm</b>	1.00	No			Each	
13	Providing and fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
14	Providing and fixing 600mm x 450mm bavelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
15	Providing and fixing C.P. Bras pillar tap with capstan head including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia MAKE Seiko or Equivalent.	1.00	No			Each	
16	Providing and fixing charonium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.MAKE Seiko or Equivalent.	3.00	Nos			Each	
17	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. MAKE Seiko or Equivalent.	5.00	Nos			Each	

18	Providing and fixing C.P. connection pipe with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 45 cms length ( a) 15mm nominal bore	1.00	No		Each	
19	Providing and fixing P.V.C connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. A)300/450mm length :- i)15mm nominal bore	8.00	Nos		Each	
20	Providing and fixing PVC waste pipe flexible (Coil type) length not less than 800mm including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 32mm dia	2.00	Nos		Each	
21	Providing and fixing 600mm x 120mm glass shelf with C.P. Brass brackets and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No		Each	
22	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. MAKE Seiko or Equivalent.	9.00	Nos		Each	
23	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm nominal bore.	18.50	Rmt		Per Running Metre	
24	Providing and fixing G.I./M.I Union of following sizes (where not included in the items including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)15mm	2.00	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 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)610 x460 mm with bowl depth 200 mm.	1.00	No		Each	
26	Providing and laying Baroda green marble in flooring 20mm (average) thickness base of cement mortar 1:3 (1cement: 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete including nosing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 20mm.thick	2.57	Sqm		Per Square Metre	
27	Providing nosing of marble edges in marble work including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Rmt		Per Running Metre	

28	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. (i) 110mm dia.	4.30	Rmt			Per Running Metre	
	(ii) 90 mm dia	14.50	Rmt			Per Running Metre	
29	Providing and fixing PVC single equal branch plain 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 dia.	1.00	No			Each	
	(ii) 90 mm dia	2.00	No			Each	
30	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) 110 mm dia.	2.00	No			Each	
	(ii) 90 mm dia	8.00	No			Each	
31	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. (i) 110 mm dia.	2.00	No			Each	
	(ii) 90 mm dia	9.00	No			Each	
32	Providing and fixing PVC reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm dia.	1.00	No			Each	
33	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) White vitreous china flat back wall hung basin.	1.00	No			Each	
34	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. (i) 32mm dia	1.00	No			Each	
35	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing withm 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.	4.00	Nos			Each	
36	Providing and fixing paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enameled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)40mm thick i)2nd Class Deodar Wood.	1.90	Sqm			Per Square Metre	



37	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black 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 (i)2nd class deodar wood	1.27	Sqm			Per Square Metre	
38	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete. (i) 250x10mm (two hundred fifty into ten milimetre)	10.00	Nos			Each	
39	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. (a) 125 mm(one hundred milimetre)	5.00	Nos			Each	
40	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) 200mm	3.00	No			Each	
41	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.46	Sqm			Per Square Metre	
42	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.77	Sqm			Per Square Metre	
43	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.	4.89	Sqm			Per Square Metre	
44	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.	13.90	Sqm			Per Square Metre	
45	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	1.40	Rmt.			Per Running Metre	
46	Providing and fixing bright finished brass ball catcher 10 mm dia including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Nos			Each	
47	Providing and fixing bright finished brass furniture handles including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Nos			Each	

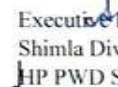
48	Half brick masonry in common burnt clay building bricks including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) Cement Mortar 1:3 Second Class Brick	1.76	Sqm.			Per Square Metre	
49	10mm cement plaster in single coat on fair side of brick/concrete walls for internal lastering 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 1:5 (1 cement:5 sand)	1.76	Sqm.			Per Square Metre	
50	Providing form work with steel plates 3.15mm (three point fifteen milimetre) thick welded with angle iron in frame 30x30x5mm (thirty into thirty into five milimetre) so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and bairies in all heights or propping and centring, below supporting floor to ceiling not exceeding 4mtrs (four metres) and removal of the same for in situ- reinforced concrete and plain concrete work including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Beams, cantilever, girders and lintels ( i) Sides and soffits of beams, beam hunchings, cantilevers, bressumers and lintels not exceeding 1 Mtr. (One metre) in depth in all heights from floor.	0.95	Sqm.			Per Square Metre	
51	Providing and laying cement concrete work 1:2:4 (1 cement:2 sand:4 graded stone agg. 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Suspended floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilever upto all floor level.	0.17	Cum			Per Cubic Metre	
52	Providing mild steel/tor steel reinforcement for RCC work including cutting bending, binding & placing in position complete up to all floor level/all heights including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Tor steel.	22.23	Kgs.			Per Kilogram	
53	Demolition above G.L. upto floor two level including disposal of unserviceable materials within 20 metres lead and including cutting the necessary reinforcement and separating out from R.C.C. /R.B. works including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i) R.C.C. work	0.03	Cum			Per Cubic Metre	
54	Providing and fixing one hole basin mixing Faucet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	

55	Distempering(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface free of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	173.15	Sqm			Per Square Metre	
56	Extra over item No 55 for every sub sequent coat of distempering with oil bound washable distemper of approved brand and manufacture including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	121.21	Sqm			Per Square Metre	
57	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.	121.21	Sqm			Per Square Metre	
58	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.	89.95	Sqm.			Per Square Metre	
59	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	20.69	Sqm			Per Square Metre	
60	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	20.69	Sqm			Per Square Metre	
61	Painting one coat(excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With white enamel paint.	87.29	Sqm.			Per Square Metre	
	ii) With enamel paint other than white.	34.78	Sqm.			Per Square Metre	
62	Extra over item No. 61 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) With white enamel paint	52.37	Sqm.			Per Square Metre	



	ii) With enamel paint other than white.	20.87	Sqm.			Per Square Metre	
63	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	8.39	Sqm			Per Square Metre	
64	Extra over item No. 63 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	5.87	Sqm			Per Square Metre	
65	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 2nd class Deodar wood.	0.01	Cum			Per Cubic Metre	
66	Providing and fixing 15mm mixer for kitchen sink with top/ bottom swinging spout including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No.			Each	
67	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. a) Cement Mortar 1:5 (1 Cement : 5 Sand)	11.80	Sqm			Per Square Metre	
68	Providing and fixing PVC double equal branch with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm dia	1.00	No.			Each	
	(ii) 90 mm dia	2.00	No.			Each	
69	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm dia.	1.00	No			Each	
	(ii) 90mm dia	3.00	Nos			Each	

70	Providing and fixing PVC clamps ISI marked 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) 110mm dia	3.00	Nos			Each	
	(ii) 90mm dia	10.00	Nos			Each	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

<b>Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.</b>						<b>Estimated Cost:- 2,64,663.00</b>	
<b>Name of Work :- A/R &amp; M/O to various Type-III &amp; Type-IV GAD at Parimahal Kasumpti Shimla-9 (SH: Repair work in Toilet, Bathroom, Kitchen, P/F Cup board, vitrified tiles, white washing/distempering etc. in Type-III set No.68 under Parimahal Section Shimla-9).</b>						<b>Earnest Money :- 5,300.00</b>	
						<b>Time:- 60 Days.</b>	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	1.41	Cum			Per Cubic Metre	
2	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)	21.20	Sqm			Per Square Metre	
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Of area 3 sq. metres and below	1.00	Nos			Each	
4	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 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	1.41	Cum			Per Cubic Metre	
	(ii) 1:2:4(1cement:2 coarse sand:4graded stone aggregate 20mm nominal size)	2.64	Cum			Per Cubic Metre	
	(iii) 1:1½:3 (1 Cement: 1½ coarse sand): 3 graded stone aggregate 20 mm nominal size).	0.13	Cum			Per Cubic Metre	
5	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre)thick cement mortar 1:4 (one Cement: four Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.40	Sqm			Per Square Metre	



6	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm (twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	35.44	Sqm			Per Square Metre	
7	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	
8	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	
9	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	
10	Providing and fixing 8mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. traingular plate to European type W.C. of quality and make as approved by Engineer-in-Charge.	1.00	No			Each	
11	Providing and fixing 100 mm sand cast Iron grating for gully trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
12	Providing and Fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm weighing not less than 88 gms.	1.00				Each	
13	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	

14	Providing and fixing 600x450mm beveled edge mirror of superior glass(of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
15	Providing and fixing chromium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Make Seiko or Equivalent	2.00	Nos			Each	
16	Providing and fixing C.P. Brass bib cock of approved quality conforming to IS: 8931 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm nominal bore.	3.00	Nos			Each	
17	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm nominal bore with 45cm length.	5.00	Nos			Each	
18	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Flexible pipe (a) 32mm dia	2.00	Nos			Each	
19	Providing and fixing 600x120x5mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws, rawl plugs etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
20	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm nominal bore	9.00	Nos			Each	
21	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)15 mm dia nominal bore	19.00	Rmt			Per Running Metre	
22	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)15 mm nominal bore	3.00	Nos			Each	
23	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)110mm dia.	5.50	Rmt			Per Running Metre	



	b) 90mm dia	16.00	Rmt			Per Running Metre	
24	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia	1.00	No			Each	
	(b) 90mm dia	1.00	No			Each	
25	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	
	b) 90mm (Ninety milimetre)dia	5.00	Nos			Each	
26	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	5.00	Nos			Each	
	(b) 90 mm dia.	1.00	No			Each	
27	Providing and fixing PVC reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 110x90 mm dia	1.00	No			Each	
28	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	4.00	Nos			Each	
29	Providing and fixing PVC single equal branch plain 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.	1.00	No			Each	
	(b) 90 mm dia.	1.00	No			Each	
30	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	2.28	Sqm			Per Square Metre	
31	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black 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	1.03	Sqm			Per Square Metre	



32	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150x10mm	8.00	Nos			Each	
	(ii) 200x10mm	1.00	No			Each	
33	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.(a) 125mm	4.00	Nos			Each	
34	Providing and fixing bright finished brass hard drawn hooks and eyes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200mm	2.00	Nos			Each	
35	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.	22.88	Sqm			Per Square Metre	
36	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.	6.79	Sqm			Per Square Metre	
37	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.	9.01	Sqm			Per Square Metre	
38	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	9.01	Sqm			Per Square Metre	
39	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	66.90	Rmt			Per Running Metre	
40	Providing and fixing bright finished brass ball catcher 10 mm dia including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	40.00	Nos			Each	
41	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	20.00	Nos			Each	
42	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)	173.15	Sqm			Per Square Metre	


43	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.	173.15	Sqm			Per Square Metre	
44	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacture, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	113.6	Sqm			Per Square Metre	
45	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.	130.46	Sqm			Per Square Metre	
46	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.	44.34	Sqm			Per Square Metre	
47	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.	44.34	Sqm			Per Square Metre	
48	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 2nd class deodar wood	0.021	Cum			Per Cubic Metre	
49	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. a)Cement Mortar 1:5 (1 Cement : 5 Sand)	5.46	Sqm			Per Square Metre	
50	Providing and fixing C.P. brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-Charge.	2.00	Nos			Each	
51	Providing and fixing 15mm mixer for kitchen sink with top/ bottom swinging spout including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
52	Providing and fixing one hole basin mixing faucet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	



53	Providing and fixing wall mixing faucet for shower and bath hand shower with angular and Rest Holder including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
54	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.	1.45	Cum			Per Cubic Metre	
55	Centering and shuttering including strutting, propping etc. and removal of form work for (i) Retaining walls, return walls, walls(any thickness) including attached pilasters buttresses,plinth and string courses fillets, kerbs and steps etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.28	Sqm			Per Square Metre	
56	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.	2.39	Sqm			Per Square Metre	
57	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 110 mm (One hundred ten milimetre)Dia.	1.00	No			Each	
	(ii) 90mm Dia	3.00	Nos			Each	
58	Providing and fixing vitreous china wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Flat back (i) 550mm x 400mm	1.00	No			Each	
59	Providing and fixing C.P. Brass waste for wash basin or sink complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 32mm nominal dia	1.00	No			Each	
60	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. ( i)610 x 510 mm with bowl depth 200 mm.	1.00	No.			Each	
61	Dismantling wooden boardings in lining of walls and partitions including frame work and stacking the materials withing 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Thickness above 25mm and upto 40 mm.	39.79	Sqm			Per Square Metre	



62	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Size of tile 600x600mm.	16.23	Sqm			Per Square Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 3,14,307.00	
Name of Work :- Improvement and widening Cheri to Village Nehari road Km.0/00 to 2/705 (SH: C/O						Earnest Money :- 6,300.00	
Breast Wall at RD. 0/705 to 0/725).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No of Qty		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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 own cost in all cases including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	33.00	Cum			Per Cubic Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer-in -charge through all modes of transportation including head load, animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required) Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges. (i) All kinds of soil	21.00	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 40 mm(forty milimetre) nominal size)	69.20	Cum			Per Cubic Metre	
4	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm(One hundred milimetre) dia PVC pipe extending through the full with 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.	40.00	Rmt			Per Running Metre	
						<b>Total</b>	

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



## SCHEDULE OF QUANTITY


Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION.No-1, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 2,60,694.00	
Name of Work :- Construction of way side amenities on Nari to Charri road Km.0/00 to 2/165 (SH: C/O							Earnest Money :- 5,300.00	
Rain Shelter at Bus Stand Nari at RD. 2/165).							Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour ( if required ) Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges. (i)All kinds of soil	7.20	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) : eight graded stone aggregate 40 mm(forty milimetre) nominal size)	4.60	Cum			Per Cubic Metre		
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	9.44	Cum			Per Cubic Metre		
4	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)Foundations, footings, bases of columns, etc. for mass concrete	15.60	Sqm			Per Square Metre		
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, upto all leads including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	4.00	Cum			Per Cubic Metre		

6	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of hoising of steps etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 40 mm thick with 20 mm nominal size stone aggregate.	12.00	Sqm			Per Square Metre	
7	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1479.20	Kgs			Per Kilo-gram	
8	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 the directions of the Engineer-in-Charge. (i) In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	348.54	Kg.			Per Kilo-gram	
9	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of 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.	16.00	Sqm			Per Square Metre	
10	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 1.60mm thick with zinc coating not less than 350 gm/m <sup>2</sup>	4.00	Rmt			Per Running Metre	
11	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	4.00	Rmt			Per Running Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:-1,35,891.00	
Name of Work :-A/R & M/O to Vigilance headquarter at Khalini Shimla-2 (SH: Painting work of roof and balance portion)						Earnest Money :- 2,800.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarled on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly leaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1242.53	Sqm			Per Square Metre	
2	Applying priming coat on concrete/masonry/plastered surface after and including preparing the surface by throughly cleaning oil, grease, dirt and other foreign matter and sand papering as required with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. <u>ULTIMA PROTECT BASE COAT BY ASIAN PAINTS</u>	437.51	Sqm			Per Square Metre	
						<b>Total</b>	


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



## SCHEDULE OF QUANTITY

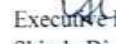

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,86,723.00	
NAME OF WORK:- A/R & M/O to various roads under Shimla Division No.1 Under Mashobra Sub Division (SH: Repair of Patches work in various road in Shimla Tattapani road in Km. 8/00 to 9/00, 12/00 to 13/00 & 15/00 to 16/00 Under Baldeyan Section).						Earnest Money :- 9,800.00	
						Time:- One Month	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density <b>grading 3(three)</b> as per Technical Specification Clause 405 including carriage of materials in all leads and lifts as per <u>directions of the Engineer-in-Charge</u> .	50.00	Cum			Per Cubic Metre	
2	Repair to pot holes and removal of loose material trimming the sides, cleaning of surface by providing tack coat, 20mm thick premix carpet and seal coat type B specification Clause 1904.2, 503 and 508.1 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1555.00	Sqm			Per Square Metre	
						<b>Total</b>	

*CONDITION:- (Bitumen will be supplied by the department free of cost at PWD Store)*

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


### SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,68,455.00	
Name of Work :- A/A & Mtc. of various residential qtrs. at Kasumpti (SH: Polycarbonate sheet between house No.14 & 10 Type-VI at Mehli Kasumpti Shimla).						Earnest Money :- 3,400.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Providing and fixing polycarbonated transparent sheet 2mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	61.20	Sqm			Per Square Metre	
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	314.88	Sqm			Per Kilogram	
						Total	

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


## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 87579.00				
Name of Work :- Improvement of Curve in Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925.					Earnest Money :- 1,800.00				
(SH :- Widening of curves between RD 47/284 to 47/300).					Time:- 30 Days.				
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount		
				In figures	In words				
1	Cutting in earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.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 <b>23.12 Cum @ 300/- (Three hundred only )</b> 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.	231.20	Cum			Per Cubic Metre			
								<b>Total</b>	

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



# SCHEDULE OF QUANTITIES

ESTIMATED COST: Rs.94,964/-only

EARNEST MONEY: Rs.1,900/-only.

TIME ALLOWED: One month.

NAME OF WORK: Improvement of Old Kasumpti Junga Road Km 0/00 to 11/000 ( SH:- C/O PCC V- Shape Drain at Rd 0/700 to 0/830).

Sr.N o.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
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 milimetre) compacted thickness including shorting and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	35.75	Cum			Per Cubic Metre	
2	Providing and laying cement concrete grade M-10 (Ten) nominal mix 1:3:6(One cement:three sand:six graded crushed stone aggregate 40mm (forty milimetre) nominal size) mechanically mixed and vibrated in open foundation complete as per drawing and MORD technical specification clause 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.95	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:-4,49,813.00	
Name of Work :-A/R & M/O New and Old Hostel Block of SIHFW at Parimahal, Kasumpti, Shimla-9 (SH: Interior / exterior white washing/ distempering in new and old Hostel Block of SIHFW at Parimahal under Parimahal Section).							Earnest Money :- 9,000.00	
							Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for interior grade on undecorated concrete/stone/plastered wall surfaces to give an even shade including t thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying of putty a required for metling the surface including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1468.21	Sqm			Per Square Metre		
2	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	899.18	Sqm			Per Square Metre		
3	Removing white wash or colour wash by steel wire brushing and/or scrapping sand papering and preparing 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.	3551.10	Sqm			Per Square Metre		
4	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.	1840.88	Sqm			Per Square Metre		
5	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.	510.60	Sqm			Per Square Metre		
6	Extra over item for every subsequent coat of paint on wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	510.60	Sqm			Per Square Metre		
7	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 Enamel paint other than white.	272.07	Sqm			Per Square Metre		

	(ii) With white enamel paint	103.74	Sqm			Per Square Metre	
8	Extra over item No. 7 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 enamel paint other than white	272.07	Sqm			Per Square Metre	
	(b) With white enamel paint	103.74	Sqm			Per Square Metre	
9	Scaffolding in building side wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	221.02	Sqm				
10	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.	127.56	Sqm			Per Square Metre	
11	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. (a) Cement Mortar 1:4 (1 Cement : 4 Sand)	47.50	Sqm			Per Square Metre	
						<b>Total</b>	

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



# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No.1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,84,290.00	
Name of Work :- A/R and M/O to transit accommodation Block No.1 & 2 near ground Kasumpti Shimla-9 (SH:						Earnest Money :- 9,700.00	
Repair of CGI sheet roof over wooden trusses in Block No.1 & 2 near Rani Ground Kasumpti Shimla).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Steel work welded in built up sections, trusses and framed work including cutting 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 beams joists channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like.	23.10	Qtl			Per Quintal	
2	Providing corrugated G.I sheet roofing fixed with galvanised iron J or L hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins referters and trusses including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i) 0.63 mm thick sheet.	83.50	Sqm			Per Square Metre	
3	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	20.00	Rmt			Per Running Metre	
4	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board, Facia/ soffits ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-Charge (Base members of steel work shall be measured & paid separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	42.04	Sqm			Per Square Metre	
5	Providing and fixing Scaffolding for building all heights of work including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	40.02	Sqm			Per Square Metre	
						<b>Total</b>	

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