

Himachal Pradesh  
Public Works Department

No. PW-SD-I-CTR- Tender-NIT/2022-2023- 6441-42

Dated:- 2-07-2022

To


The Executive Engineer (IT Cell)  
Nigam Vihar Shimla.

Subject :- Publication of Tender Notice.

Jai Hind


Enclosed please find herewith the tender Notice of work as given in the Notice Inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW (B)A(3)1/2020 dated Shimla-2 the 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-I.,  
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-I.,  
HPPWD., Shimla-3.

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

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

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

08-07-2022 upto 4:00 PM  
11-07-2022 upto 4:00 PM  
12-07-2022 up to 10:30 AM  
12-07-2022 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	Widening & Improvement of road on Seonthal to kot roda km. 0/00 to 2/000 (SH:- C/O R/wall at RD. 0/655 to 0/665)(SCCP)	303675/-	6100/-	350/-	30 days	Class-D
2	Improvement & Widening Masbobra Bhekhality road km. 0/00 to 0/00 to 18/360 (SH:- C/O Parapets at various RDs & Providing of railing on slab culvert Rd. 8/360 to 8/368).	253313/-	5100/-	350/-	60 days	Class-D
3	A/R & M/O to various resident qtrs at Brock Hurst Shimla-9 (SH:- Renovation of toilet bath ceiling cup board and minor repair work in type-III set nO.56 at Brock Hurst Kasumpti Shimla).	216718/-	4400/-	350/-	60 days	Class-D
4	Improvement & widening on Kufri Chail road km. 0/00 to 25/00 (SH:- C/O R/wall at RD. 11/240 to 11/245.30).	436252/-	8800/-	350/-	30 days	Class-D
5	Improvement & Widening of Elysium to Devidhar road km. 0/00 to 16/300 (SH:- C/O Breast wall at Rd. 0/415 to 0/432).	452007/-	9100/-	350/-	30 days	Class-D
6	A/R & M/O New and old Hostel Block kof 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)(Balance work).	449813/-	9000/-	350/-	60 days	Class-D
7	A/R & M/O to traanist accommodation Block No.1 & n 2 near ground Kasumpti Shimla-9 (SH:- Repair of CGI sheet roof over wooden trusses in Block No.1 & 2 near Rani Grou8nd Kasumpti Shimla)(Balance work),	285470/-	5800/-	350/-	60 days	Class-D
8	Repair and Rehabilitation of comber mere Bridge on MRR via Chotta Shimla (SH:- Repair of RCC Railing ,Repair and Improvement of pedestrian path safety jarfri of bridge to existing panels and erecting of new panels on Hill side(LHS) RD. 149/015 to 149/047).	498675/-	10000/-	350/-	30 days	Class-D
9	Repair and RE-habitation of comber mare Bridge on MRR via Chotta Shimla (SH:- Repair and improvement of pedestrian path providing safety railing to approach portion and erection of new panels Rd. 149/050 to 149/072).	382659/-	7700/-	350/-	30 days	Class-D
10	A/R & M/O to various type-I to type-IV residential qtrs of Health Department parimahal Kasumpti Shimla-9 (SH:- Covering of Balcony type-II set No.3,5 and 6 white washing/distempering 88n due sets and P/F PVC flooring in type-II set No.5 under Parimahal section).	244015/-	4900/-	350/-	30 days	Class-D
11	A/R & M/O to various type-III & type-IV qtrs at Kasumpti Shimla-9 (SH:- Covering of Balcony with expended Metal in type-III Block D,E & F set Nos 25 to 48 under Parimahal section Kasumpti Shimla-9).	498539/-	10000/-	350/-	30 days	Class-D
12	A/R & M/O Various residential Qtrs type to VI at Kasumpti Shimla -9 (SH:- Repair of kitchen in type-I set No.4 at Kasumpti Shimla).	120852/-	2500/-	350/-	60 days	Class-D
13	A/R & M/O to Transit accommodation Block No.2 Kasumpti Shimla (SH:- P/L tile work-in kitchen toilet in Block No.2 set No.3 & 6, Block No.3 set no. 6 Transit accommodation Kasumpti Shimla).	103956/-	2100/-	350/-	60 days	Class-D
14	Improvement and widening of Bhatta Kuffer to koti road km. 0/00 to 6/885 Dhalli Section (SH:- Providing laying G-III RD. 3/500 to 4/500).	436598/-	8800/-	350/-	30 days	Class-D
15	A/R & M/O to Windsor cottage Rani Ground Kasumpti Shimla (SH:-P/L Tiles wor in set No. 1 out houses set No.9 type-I Windsor cottage Kasumpti Shimla).	65921/-	1400/-	350/-	60 days	Class-D
16	A/R & M/O Kasumpti Balika Ashram building at Durgapur (SH:- Distempering painti & chequred tiles inn kasturba Baika Ashram building).	170047/-	3500/-	350/-	30 days	Class-D
17	Restoration of rain damages shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- P/F "W" metal beam crash barrier Railing between RD. 20/120 to 20/200).	365629/-	7400/-	350/-	30 days	Class-D
18	A/R & M/O Tribal Bhawan at Dhalli Shimla (SH:- Repair of toilets at Tribal Bhawan Building in Room Nos 301,302,303,502,304,405,406, 401,501,603,Two private residence and one Toilet at Residence).	373826/-	7500/-	350/-	60 days	Class-D
19	Improvement and wideing of raod on Baldeyan to Dharpur road km. 0/00 to 10/000 (SH:- C/O R/wall at RD. 7/745 to 7/755).	375136/-	7600/-	350/-	30 days	Class-D
20	Improvement & Widening on Shiv Mandir to Shakti Vihar road km. 0/00 to 1/500 (SH:- Construction of Retaining wall between Rd.0/065 to 0/073 on Shiv Mandir to Shakti vihar road under parimahal Section).	335009/-	6700/-	350/-	60 days	Class-D



21	Improvement of MRR road Victory Tunnel to Sanjuali via lakkaer Bazar km. 147/825 to 153/075 (SH:- Maintenance of Earthen Shoulder, Maintenance of Drain Culvert, Trimming of Grass and white washing of parapets between Rd. 147/825 to 1583/075).	457093/-	9200/-	350/-	30 days	Class-D
22	Improvement & Widening on Shoghi Mehli Junga Sadhupul road km. 123/375 to 48/925 (SH:- Providing of RCC slab culvert after dismantling of damaged RCC slab at Rd. 29/300).	204595/-	4100/-	350/-	30 days	Class-D
23	R.R.D. Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Repair of pot holes old Kasumpti Junga road between RD. 2/100 to 3/00).	491379/-	9400/-	350/-	15 days	Class-D
24	Improvement & Widening on kufri chail road damage accured due to digging of tranches for laying O.F.C (SH:- C/O road side drain in km. 1/418 to 1/750).	29275/-	8600/-	350/-	30 days	Class-D
25	A/R & M/O Nari Sewa sadan at Mashobra Shimla-2 (SH:- Repair of Nari sewa sadan toilet & steel stand for water storage tank).	394089/-	7900/-	350/-	30 days	Class-D
26	Improvement of tarapur to kufu road km. 0/00 to 0/900 (SH:- Providing and laying G-III, 20mm thick PMC in km. 0/00 to 0/440)	422458/-	8500/-	350/-	60 days	Class-D
27	Construction of Retaining wall with Toe wall Behind Health sub Center Building at Satlaj).	433711/-	8700/-	350/-	30 days	Class-D

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

1. The valid enlistment/Registration of contractor in Appropriate Class.
2. Permanent account No. (PAN NO).
3. G.S.T No.
4. Earnest Money in the shape of National saving certificate/time deposit account in the any of the post office in HP. F.D.R from any Nationalized Bank duly pleaded in favour of the Executive Engineer Shimla Division No-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 :-

5. Copy to the Deputy Commissioner Shimla Distt. Shimla.
6. Copy to the Executive Engineer Shimla Division No-III HPPWD Shimla.
7. Copy to the Sub Divisional Magistrate (U) Shimla.
8. Copy to the Sub Divisional Magistrate (R) Shimla.
9. Copy to Municipal committee Shimla Distt. Shimla.
10. Copy to Block Development officer Mashobra Distt. Shimla.
11. All the Assistant Engineers under this Division, HPPWD Shimla-3.
12. Superintendent / HDM /DAO.
13. Notice Board.

Executive Engineer,  
Shimla Division No-I.,  
HPPWD, Shimla-3.  
Dated :- 02-07-2022

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

# SCHEDULE OF QUANTITY

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

Estimated Cost:- 3,03,675.00

Name of Work :--Widening & Improvement of road on Seonthal to Kot road km.0/000 to 2/000 ( SH: C/O R/Wall between RD. 0/655 to 0/665 ). (SOP)

Earnest Money :-6,100.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per drawing and Technical Specification Clause 1603.1. Any damage to the private/public property during execution will be restored by the contractor what so ever the nature of the same may be. The serviceable materials will be stacked to specified/dimensions in all leads and lifts as per directions of the Engineer-in-Charge. a) By Mechanical means.	44.50	Cum			Per Cubic Metre	
2	Earth work in excavation for structure as per drawing and technical specification Clause 305.1 including setting out, construction of shoring & bracing removal of stumps and other deleterious material and disposal upto a lead of 50 mtrs. dressing of sides and bottom and back filling in trenches with excavated suitable material. I. Ordinary soil.	4.90	Cum			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203. a) Cement Mortar 1:6:12(1cement:6sand:12graded stone agg.40mm nominal size).	4.90	Cum			Per Cubic Metre	
4	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203. a) Cement Mortar 1:4:8(1cement:4sand:8graded stone agg.20mm nominal size).	59.10	Cum			Per Cubic Metre	
5	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8. a) Granular material.	1.40	Cum			Per Cubic Metre	

6	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	30.00	Rmt			Per Running Metre	
						Total	

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

# SCHEDULE OF QUANTITY

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

Estimated Cost:- 2,53,313.00

Name of Work :-Improvement & Widening Mashobra Bhekhality road Km. 0/00 to 18/360 (SH: C/O Parapits at various RD,s & Providing of railing on slab culvert RD. 8/360 to 8/368 )

Earnest Money :- 5,100.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (one point five metre) in width or 10 sqm(ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m(one point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.(fifty metre)(i) Ordinary rock	31.32	Cum			Per Cubic Metre	
2	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 bailies 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. (a) Foundation ,footings basis of culumns etc and mass concrete	97.20	Sqm			Per Square Metre	
	(a) Flat surfaces such as soffits of suspended floors, roofs, landing and the like.Floors etc. up to 200mm (two hundred milimetre)in thickness.	15.12	Sqm			Per Square Metre	
3	Providing and laying upto floor two level cement concrete 1:2:4 (1 cement : 2 Sand : 4 graded stone aggregate 20mm nominal size) and curing complete including form work including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge..(i) String courses coping bed plates, anchor blocks plain window sills and the like.	22.68	Cum			Per Cubic Metre	
4	15mm Cement plaster in single coat on the rough side of brick/ concrete/stone walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i)Cement Mortar 1:4 (1Cement:4 Sand).	48.60	Sqm			Per Square Metre	



5	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). a) For thickness of tiles upto 25mm(Twenty milimetre)	9.60	Sqm			Per Square Metre	
6	Providing and laying cement concrete work 1:1½:3 (1 cement : 1½ sand : 3 graded stone aggregate 20 mm nominal size) michamically mixed and vibrated for compacting concrete and curing complete excluding cost of form work and reinforcement for reinforced concrete work,but including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)Foundation, footing, bases of columns and the like and mass concrete.	2.88	Cum			Per Cubic Metre	
7	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,, tees ,flat with connecting plates, angles cleats, as in main and cross beams, hips, jack rafters, purlins connected to common rafter and the like	5.11	Qtl.			Per Quintal	
8	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With ready mixed priming paint brushing red lead,Red-oxide/zinc oxide chrome.	11.33	Sqm			Per Square Metre	
9	Painting two coats(excluding priming costs)on new steel and other metal surfaces with enamel paint to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matters paint other than white including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	11.33	Sqm			Per Square Metre	

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

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 2,16,718.00	
Name of Work :- A/R & M/O to various resident Qtrs. at Brock Hurst Shimla-9 (SH: Renovation of Toilet Bath,Ceiling ,Cup Board and minor repair work in type-III set no - 56 at Brock Hurst Kasumpti shimla).						Earnest Money :- 4,400.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty milimetre)	29.82	Sqm			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty)metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6(One cement :three sand: six graded stone aggregate) (one or richer mix (i/c equivalent design mix).	0.43	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 (fifty)metres lead as per direction of Engineer - in- charge.	0.07	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50(fifty) metres lead as per direction of Engineer-in-charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (I) Of area 3 sq. metres(three square metre) and below	2.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	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 clerestorey windows including bright finished black enamelled iron hinges with necessary screws, 40 mm (forty milimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.26	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos			Each	

23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen milimetre)	2.00	Nos		Each	
24	Providing and fixing aluminum tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos		Each	
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty milimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos		Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos		Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.80	Sqm		Per Square Metre	
28	Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	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	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	
38	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	
39	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	
40	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	

41	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	
42	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	
43	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	
44	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	
45	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	
46	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	
47	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	
48	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 45cm length (i) 15mm nominal bore.	4.00	Nos			Each	
49	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	
50	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	
51	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	

52	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	
53	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	
54	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	
55	Providing and fixing 1.50mm(One point five zero milimetre) thick PVC antistatic venyl 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	48.00	Sqm			Per Square Metre	
						<b>Total</b>	

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




# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.  
 Name of Work :- Improvement & Widening on Kufri Chail road Km 0/00 to 25/00 (SH:- C/O R/Wall at  
 at Rd 11/240 to 11/245.30 ).  
 Estimated Cost - 436252.00  
 Earnest Money :- 8,800.00  
 Time - 30 Days.

Sl. 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 road roads August 2004 clause 1053 including setting out, construction of shoring and trenching, 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 fully 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.	68.05	Cum			Per Cubic Metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802.803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) Cement Mortar 1:1.8(One cement: five sand: Ten graded stone agg. 40mm (forty millimetre) nominal size).	4.39	Cum			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802.803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (a) Cement Mortar 1:4:8(One cement: Four sand: Eight graded stone agg. 20mm (twenty millimetre) nominal size).	82.73	Cum			Per Cubic Metre	

4	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Granular material.	7.95	Cum			Per Cubic Metre
5	Providing weep holes in Breast wall-Retaining wall on stone masonry with 100mm & P.V.C. pipe with slope of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	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:- 4,52,007.00	
NAME OF WORK:- Improvement & Widening of Elysium to Devidhar road Km.0/00 to 16/300 (SH: C/O Breast Wall at RD.0/415 to 0/432)							Earnest Money :- 9,100.00	
							Time:- One Month	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Cutting and disposal of 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 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 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 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.	52.79	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.	17.00	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)1:3:6 (One Cement : three coarse sand) : six graded stone aggregate 20 mm (twenty millimetre) nominal size)	56.95	Cum			Per Cubic Metre	
4	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of stone masonry, including disposal of unserviceable material and stacking the serviceable material with in all leads and lifts as per Technical Specification Clause 202 as per directions of the Engineer-in-Charge. (i)Rubble Stone Masonry in Cement Mortar.	61.20	Cum			Per Cubic Metre	
5	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.14	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 the directions of the Engineer-in-Charge.	14.00	Rmt			Per Running Metre	
7	Disposal of excavated surplus earth by mechanical transport on approved dumping site surrounding Shimla through all mode of transportation including head load animal load or mechanical means alongwith its leveling and top complete the work ncluding carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	69.79	Cum			Per Cubic Metre	

Executive Engineer,  
Shimla Division No.1,  
MP 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:-4,49,813.00</b>	
<b>Name of Work :-A/R &amp; M/O New and Old Hostel Block of SIHFV at Parimahahal, Kasumpti, Shimla-9 (SH:</b>						<b>Earnest Money :- 9,000.00</b>	
<b>Interior / exterior white washing/ distempering in new and old Hostel Block of SIHFV at Parimahahal under Parimahahal Section).(Balance work)</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	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 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.	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	

Description of Work	Quantity	Unit	Rate
1. <u>Excavation</u> Excavate and remove topsoil to a depth of 150 mm (6 inches) over the entire area to be paved, including carriage of material to all loads and 10% in per dimension of the 1 square and 1 large (10% in excess of 100 mm) other than white.	100.00	cu m	100.00
2. <u>Subgrade</u> 100 mm (4 inches) compacted subgrade.	100.00	cu m	100.00
3. <u>Base</u> 100 mm (4 inches) compacted base.	100.00	cu m	100.00
4. <u>Surfing</u> 100 mm (4 inches) compacted surf.	100.00	cu m	100.00
5. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
6. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
7. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
8. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
9. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
10. <u>Gravel</u> 100 mm (4 inches) compacted gravel.	100.00	cu m	100.00
Total	1000.00	cu m	1000.00



 Министерство образования и науки  
 Республики Казахстан  
 Астана, 2019



### SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 2,85,470.00	
Name of Work :- A/R & M/O to transit accommodation Block No.1 & 2 near ground Kasumpti Shimla-9 (SH: Repair of CGI sheet roof over wooden trusses in Block No.1 & 2 near Rani Ground Kasumpti Shimla) (Balance work).						Earnest Money :- 5,800.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within all leads including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.50	Cum			Per Cubic Metre	
2	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within all leads including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)G.I. Sheet roofing	28.30	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 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.	14.50	Qtl			Per Quintal	
4	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 rafters and trusses including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.( i)0.63mm thick sheet.	28.30	Sqm			Per Square Metre	
5	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	36.95	Rmt			Per Running Metre	
6	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	20.00	Sqm			Per Square Metre	


7	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.	70.38	Sqm			Per Square Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I. H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 4,98,675.00
Name of Work :- Repair and Rehabilitation of Combermere Bridge on MRR via Chhotta shimla ( SH:- Repair of RCC Railing, Repair and Improvement of pedestrain path safety jafri of bridge to existing panels and erecting of new panels on Hill side (LHS) Rd 149/015 to 149/047).							Earnest Money :- 10,000.00
							Time:- 30 Days.
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling steel work upto span of 10 metres and a height of 5 metres in built up sectional in angles, tees, flats and channels including all gusset plates, bolts, nuts, beading etc and stacking the materials within 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) Including dismembering. (Labour Rate)	748.80	Kgs			Per Kilogram	
2	Extra for making of structural steel work required to be reerected	486.72	Kgs			Per Kilogram	
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 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.(i) (Through rate)	1380.99	Kgs			Per Kilogram	
	(ii) Labour Rate . Useful material extracted as per item 2 after cutting by machine and welding plant from existing pannels for repair /modification and required to be made useful and payable only on labour rate as per actual executed as per specification of item complete in all respect on site / The recovery of Useful material of 262.08 kg at Rs 25 per kg shall be made on prorata basis amounting to Rs. 6552.00	486.72	Kgs			Per Kilogram	
4	Providing and fixing hollow section of approved size by welding etc.including cutting, hoisting fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge. (a) In gratings, frames, balcony ,stair case, guard bar, ladder, railings, brackets, gates and similar works.	1575.21	Kgs			Per Kilogram	
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three raded stone aggregate 20 mm (twenty milimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. ( In repair of R.C.C railings).	3.82	Cum			Per Cubic Metre	

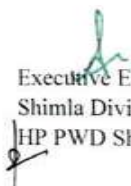
6	Centering and shuttering including strutting, propping etc. and removal of form work for all heights:- Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string course, bands, copings, bed plates, anchor blocks and the like, including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	13.83	Sqm			Per Square Metre	
7	Wall painting (two coats on new work) with acrylic emulsion paint of approved brand and manufacture to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface.	46.80	Sqm			Per Square Metre	
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Two or more coats on new work	112.32	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:- 3,82,659.00		
Name of Work :- Repair and Re-habitation of Comber Mare Bridge on MRR via Chotta Shimla (SH: Repair and improvement of pedestrain path providing safety railing to approach portion and errection of new panels RD. 149/050 to 149/072)					Earnest Money :- 7,700.00		
					Time:- 30 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 guard bars, ladders, railing, brackets and similar works.	459.60	Kgs.			Per Kilogram	
2	Providing and fixing Hollow section of approved size by welding etc. to steel ladder railing, balcony railing, stair case railing and similar works, including applying priming coat of approved steel primer including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge.	2585.48	Kgs.			Per Kilogram	
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Two or more coats on new work	52.50	Sqm			Per Square Metre	
						Total	

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

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 2,44015.00	
Name of Work :- A/R and M/O to various Type-I to Type-IV residential Qtrs.of Health Department Parimehal						Earnest Money :- 4,900.00	
Kasumpti shimla -9 (SH: Covering of Balcony type-II Set No.3,5, and 6 white washing / distempering in due sets and P/F PVC flooring in type-II set no. 5 under parimehal section).						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	9.96	Qtls			Per Quantls	
2	Supplying and fixing welded mesh wood or steel members in partition etc.size 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP PWD Specification 1990 Volume-1 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	23.10	Sqm			Per Square Metre	
3	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With ready mixed primer paint brushing red lead, Red-oxide/zinc oxide chrome.	23.10	Sqm			Per Square Metre	
4	Painting two costs (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)Enamel paint other than white	75.28	Sqm			Per Square Metre	
5	Providing and fixing M.S. pressed butt hings with necessary screws. (Copper oxidised) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)75x47x1.70mm	54.00	Nos			Each	
6	Providing and fixing M.S. sliding door bolts bright finished or/and black enamelled with nuts and screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)250x16 mm (Two hundred fifty into sixteen milimetre)	2.00	No			Each	
7	Providing and fixing oxidised M.S. tower bolts (barrel type) with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)150x10 mm	24.00	nos			Each	

8	Providing and fixing poly carbonated transparent sheet 2.00mm thick in roofing with galvanized J or L hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required as per direction of Engineer-in-Charge.	12.48	Sqm			Per Square Metre	
9	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.	207.94	Sqm			Per Square Metre	
10	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.	207.94	Sqm			Per Square Metre	
11	Extra over item for every subsequent coat of distemping 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.	207.94	Sqm			Per Square Metre	
12	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.	124.76	Sqm.			Per Square Metre	
13	Painting one coat(excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) With white enamel paint.	162.32	Sqm.			Per Square Metre	
14	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	162.32	Sqm.			Per Square Metre	
15	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	33.14	Sqm			Per Square Metre	
16	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. a) With white enamel paint	33.14	Sqm			Per Square Metre	
17	Repair to plaster in patches of 2.50 square meter under and upto 10 to 15mm thick including cutting the patch in proper shape and re-plastering the surface of wall including disposal to the dumping ground with a lead of 10 metres with 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).	10.40	Sqm			Per Square Metre	

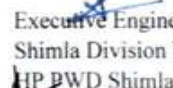
18	Providing and fixing 1.5mm thick PVC antistatic vinyl Flooring plain or coloured, carbed or mosaic/metalled finish laid with approved adhesive on sub-floor (damp proofing treatment to be paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. MAKE LG	25.27	Sqm			Per Square Metre	
						<b>Total</b>	

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



## SCHEDULE OF QUANTITY

<b>Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.W.D., SHIMLA-3.</b>						<b>Estimated Cost:- 4,98,539.00</b>	
<b>Name of Work :- A/R &amp; M/O to VARIOUS TYPE-iii &amp; Type-IV Qtrs. at Kasumpti Shimla-9 (SH: Covering of Balcony with expended Metal in Type-III Block D, E &amp; F Set Nos. 25 to 48 under Parimahahal section Kasumpti Shimla-9).</b>						<b>Earnest Money :- 10,000.00</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	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.	2648.00	Per Kg.			Per Kilogram	
2	Providing and fixing M.S. welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP PWD Specification 1990 Volume-1 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	184.80	Sqm			Per Square Metre	
3	Providing and fixing M.S. pressed butt hinges with necessary screws. (Copper oxidised) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)75x47x1.70mm	192.00	Nos			Each	
4	Providing and fixing oxidised M.S. tower bolts (barrel type) with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100x10mm	192.00	Nos			Each	
5	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.a) With ready mixed primer paint brushing red lead, Red-oxide/zinc oxide chrome.	184.80	Sqm			Per Square Metre	
6	Painting two coats (excluding priming coat)on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign maters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Enamel paint other than white.	425.66	Sqm			Per Square Metre	
						<b>Total</b>	

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

### SCHEDULE OF QUANTITY

<b>Tender Inviting Authority :</b> EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.	<b>Estimated Cost:-</b> 1,20,852.00
<b>Name of Work :-</b> A/R & M/O various residential Quarters Type-I to VI at Kasumpti Shimla-9(SH: Repair of Kitchen in type-I set No.4 at Kasumpti Shimla)	<b>Earnest Money :-</b> 2,500.00
	<b>Time:-</b> 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 milimetre)	6.30	Sqm			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty)metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6(One cement :three sand: six graded stone aggregte) (one or richer mix (i/c equivalent design mix).	0.63	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 (fifty)metres lead as per direction of Engineer - in- charge.	0.18	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50(fifty) metres lead as per direction of Engineer-in-charge. (i) In cement mortar.	0.06	Cum			Per Cubic Metre	
5	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
6	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 (fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
7	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.40	Sqm			Per Square Metre	
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	3.10	Cum			Per Cubic Metre	


9	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.44	Sqm			Per Square 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	24.48	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.	6.30	Sqm			Per Square Metre	
12	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, udipur green marble area of slab over 0.5 Sqm. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.80	Sqm			Per Square Metre	
13	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 610 x 510 mm with bowl depth 200 mm.	1.00	No			Each	
14	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	
15	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.	5.00	Rmt			Per Running Metre	
16	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)	1.80	Sqm			Per Square Metre	
17	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	30.00	Kg.			Per Kilo-gram	



18	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty millimetre) nominal size including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.80	Cum			Per Cubic Metre	
19	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm (forty millimetre into twelve millimetre) section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1st Class Deodar Wood.	15.00	Rmt			Per Running Metre	
20	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick (i) 2nd class deodar wood	1.215	Sqm			Per Square Metre	
21	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 2nd class deodar wood	1.215	Sqm			Per Square Metre	
22	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.	50.00	Sqm			Per Square Metre	
23	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.	50.00	Sqm			Per Square Metre	
24	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.92	Sqm			Per Square Metre	
25	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	3.60	Sqm			Per Square Metre	
26	Providing and fixing 19mm thick commercial board water proof shutters for up 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.	2.88	Sqm			Per Square Metre	



27	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Nos			Each	
28	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	45.00	Rmt			Per Running Metre	
29	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.76	Sqm			Per Square Metre	
30	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.	120.00	Sqm			Per Square Metre	
	(b) With enamel paint other than white.	60.00	Sqm			Per Square Metre	
32	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.	60.00	Sqm			Per Square Metre	
	(b) With enamel paint other than white.	30.00	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:- 1,03,956.00	
Name of Work :- A/R & M/O to Transit accommodation Block No.2 Kasumpti Shimla(SH:P/L Tile work in Kitchen Toilet in Block No.2 set No. 3 & 6 ,Block-3 Set No. 6 Transit accommodation Kausmpti Shimla).						Earnest Money :- 2,100.00	
						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 1:3:6 or richer mix (i/c equivalent design mix).	1.14	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	16.62	Sqm			Per Square Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 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:4graded stone aggregate 20mm nominal size)	1.14	Cum			Per Cubic Metre	
4	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	24.36	Sqm			Per Square 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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.67	Sqm			Per Square Metre	
6	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	11.88	Sqm			Per Square Metre	

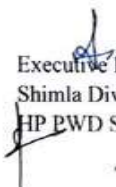
7	Providing and laying marble work (table rubbed and polished) in flooring 20mm. thick base in cement mortar 1:3 (1 cement:3 sand) including jointing with cement mortar 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the shade of the marble including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 20 mm. thick Baroda green marble.	2.31	Sqm			Per Square Metre
8	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.	3.00	Rmt			Per Running Metre
9	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
10	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
11	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) 550mmx400mm	1.00	No			Each
12	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	2.00	Nos			Each
13	Providing and fixing 100mm sand cast iron grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos			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. 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.	1.00	No			Each
16	Providing and fixing Arcylic rubber glass complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each



17	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.	3.00	Nos			Each	
18	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	2.00	Nos			Each	
19	Providing and fixing C.P. stop cocks including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i) 15mm dia	6.00	Nos			Each	
20	Providing and fixing Mixer for kitchen sink with casted swinging spout at top including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
21	Providing and fixing single hole mixture for wash basin etc. 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 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.	6.00	Nos			Each	
23	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)110mm X 75mm.	3.00	Nos			Each	
24	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.	4.00	Rmt			Per Running Metre	
25	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nut- ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)110 mm dia.	1.00	No			Each	
26	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.	2.00	Nos			Each	




27	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) 470 x 420 mm with bowl depth 178 mm	2.00	Nos			Each	
28	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	
						<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:- 4,36,598.00	
NAME OF WORK:- Improvement and Widening of Bhatta Kuffer to Koti road Km.0/00 to 6/885 Dhalli						Earnest Money :- 8,800.00	
Section(SH: Providing laying G-III RD.3/500 to 4/500).						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</b> as per Technical Specification Clause 405 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) By Manual Means	178.70	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.P.W.D., SHIMLA-3.						Estimated Cost:- 65,921.00	
Name of Work :- A/R & M/O to windsor cottage Rani Ground Kasumpti Shimla (SH: P/L Tiles work in set No.1 out houses set No.9 Type-I Windsor Cottage Kasumpti Shimla).						Earnest Money :- 1,400.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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.	28.41	Sqm			Per Square Metre	
2	Providing and fixing M.S. welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP PWD Specification 1990 Volume-1 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	41.61	Sqm			Per Square Metre	
3	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.	48.40	Sqm			Per Square Metre	
4	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)	29.27	Sqm			Per Square Metre	
5	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	
6	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.	1.00	Each			Each	
7	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	

8	Providing and fixing 600mmx450mm bevelled edge mirror of superior glass Exolite mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plug 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	
9	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.	2.00	Nos			Each	
10	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.	1.00	No			Each	
						<b>Total</b>	

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



### SCHEDULE OF QUANTITY

Tendering Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:-1,70,047.00	
Name of Work :- N/R & M/O Kasturba Balika Ashram building at Durgapur (SH:-Distempering, Painting & Chequered tiles in Kasturba Balika Ashram building).						Earnest Money :-3,500.00	
						Time:- 30 Days	
Sr. No.	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	2	3		4	5	6	7
1	Distempering ( two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surface on all floor to give an even shade over and including priming coat of whitening after thoroughly brushing the surface free from mortar dropping and other foreign material 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.	1038.75	Sqm			Per Square Metre	
2	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint. brush in to give an even shade i.e cleaning the surface of all dirt, dust and other foreign matters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Enamel paint other than white.	616.95	Sqm			Per Square Metre	
3	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 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.	292.50	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.	103.88	Sqm.			Per Square Metre	

5	Providing and laying 20mm thick chequered tiles flooring (with marble chips of specified size) fixed on wall on 10 mm thick cement plaster 1:3 (1 part cement and 3 parts sand) jointed with neat cement slurry mixed with pigment to match the color of tiles (whenever required) including rubbing and polishing, complete with tiles of following shades. 1) Yellow Terrakotta	16.00	Sqm			Per Square Metre	
						Total	

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

# SCHEDULE OF QUANTITIES

ESTIMATED COST:Rs.3,65,629/-only

EARNEST MONEY :Rs.7,400/-only.

TIME ALLOWED : One month.

NAME OF WORK: Restoration of rain damages Shoghi Mehli Junga Sadhupul road Km.12/375 to 48/925 (SH: P/F "W" metal beam Crash barrier Railing between RD.20/120 to 20/200)

Sr.No.	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.	10.02	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.	10.48	Cum		Per Cubic Metre	
3	Providing and erecting Type-A "W" metal beam crash barrier comprising of 3mm (Three milimeters) thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post 150x75x5mm (One hundred fifty into seventy five into five milimeters spaced 1.50m (One point five meter center-to centre, 1.8 (one point eight meter) high 1.1 (One point one meters) below ground/road level, all steel parts and filaments to be galvanized by hot dip process, a fittings to conform to I.S. 1367 and IS 1364, metal beam rail to be fixed on the vertical post with a space of channel section 150x75x5cm, One hundred fifty into seventy five milimeters)long complete as per clause-810 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	80.00	Rmt		Per Running Metre	
					<b>Total</b>	

Executive Engineer,  
Shimla Division No.1,  
D.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:- 3,73,826.00	
NAME OF WORK: A/R & M/O Tribal Bhawan at Dhalli Shimla (SH: Repair of toilets at Tribal Bhawan Building in Room Nos. 301,302,303, 502,304,405,406,401,501,603, Two private residence and one Toilet at Residence).						Earnest Money :- 7,500.00	
						Time:- 60 Days	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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)	144.00	Sqm			Per Square Metre	
2	Providing and laying spartic ceramic tiles 5.5mm.thick in flooring (300 x300mm. size)treads of steps laid on a bed of 12mm. thick cement mortar 1:3(1cement: 3 sand) finished with flush pointing in white cement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	42.00	Sqm			Per Square Metre	
3	White glazed tiles 6 mm thick 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.	90.00	Sqm			Per Square Metre	
4	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) W.C. pan with ISI marked black solid plastic seat and lid.	6.00	Nos			Each	
5	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.	6.00	Nos			Each	
6	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	36.00	Nos			Each	




7	Providing and fixing C.P. Bras 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	12.00	Nos			Each	
8	Providing and fixing wall mixture with telephonic arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos			Each	
9	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	36.00	Nos			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.	12.00	Nos			Each	
11	Providing and fixing to wall ceiling and floor galvanized mild steel tubes (heavy grade) tube fitting and clamps including making good the wall, ceiling and floor ) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15millimeters nominal bore	75.00	Rmt			Per Running Metre	
12	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.	60.00	Nos			Each	
13	Providing and fixing on wall face PVC (Finolex) rain water pipes of working pressure not less than 4.5 kg/sqm including filling the joints with approved adhesive complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 150 mm dia pipe	170.00	Rmt			Per Running Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 3,35,009.00		
Name of Work :- Improvement & Widening on Shiv Mandir to Shakti Vihar Road Km 0/000 to 1/500 ( SH:- Construction of Retaining Wall between Rd. 0/065 to 0/073 on Shiv Mandir to Shakti Vihar road under Pari mehal Section).					Earnest Money :- 6700.00		
					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 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	6.40	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 duly compensated by him at his on cost in all cases, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	23.24	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, huttering and finishing including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Chief.(i) 1:5:10 (one cement : five coarse sand) : ten graded stone aggregate 40 mm(forty millimetre) nominal size)	2.78	Cum			Per Cubic Metre	
	(ii) 1:3:6(one cement:three coarse sand):six graded stone aggregate 20mm(twenty millimetre) nominal size)	56.83	Cum			Per Cubic Metre	
4	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm (one hundred millimetre)& P.V.C. pipe with slop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	22.72	Rmt			Per Running Metre	
5	Back filling behind retaining wall/breast wall including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.87	Cum			Per Cubic Metre	
6	Disposal of earth work complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	29.24	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:- 4,57,093.00	
Name of Work :- Improvement of MRR Road Victory Tunnel to Sanjauli via lakkar Bazar Km. 147/825 to 153/075 (SH: Maintenance of Earthen Shoulder, Maintenance of Drain, Culvert, Trimming of Grass and White Washing of Parapets between RD. 147/825 to 153/075)						Earnest Money :- 9,200.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty		Estimated	Rate	Unit	Amount
				In figures	In words		
1	Maintenance of Earthen Shoulder (Filling with fres selected soil) Making un loose Material/ Irregularities on shoulders to the desion level by adding fresh approved slected soil and compacting it with approproese equipment at OMC upto a lead of 1000 metre as per technical specification Clause 1603 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	7665.00	Sqm			Per Square Metre	
2	Trimming of Grass from the shoulders-Berms and disposing of the same to suitable location as per the technical specification 1914 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	16800.00	Sqm			Per Square Metre	
3	Mainteance of drain including erosion, reoar, cleaning, reshaping, regarding , deepening of side drain as well as per Technical specification Clause 1907 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	4900.00	Rmt			Per Running Metre	
4	Mainteance of Hume pipe culvert by way of cleaning, Erosion repair to cracks parapets wall and protection work as per drawing and technical specification Clause 1908 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	4.00	Nos			Each	
5	White washing two coats on parapets wall and tree trunks including preparation of surface by cleaning scraping etc. As per technical specification clause 115 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	5738.10	Sqm			Per Square Metre	
						Total	

  
 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.  
 Name of Work :- Improvement & Widening on Shoghi Mehli Junga Sadhupul road km 12/375 to 48/925 ( SH:- Providing of RCC slab culvert after dismantling of damaged RCC Slab at Rd 29/300)

Estimated Cost:-2,04,595.00

Earnest Money :-4100.00


Time:- 30 Days.

Sr No	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Dismantling of RCC Slab work manually by Mechanically etc. stacking the serviceable materials and disposal of un-serviceable materials with in all leads including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.89	Cum		Per Cubic Metre	
2	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm. so as to give a fair finish including centring, huttering, strutting and propping etc. with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 Mtrs. and removal of the same for insitu-reinforced concrete & plain concrete work in: (i) Flat surfaces such as soffits of suspended floors, roofs, landing and the like. Floors etc. up to 200mm in thickness.	20.88	Sq.m		Per Square Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring 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) 1:1.5:3 (one Cement : one point five coarse sand three graded stone aggregate 20 mm (twenty milimetre) nominal size)	5.83	Cum		Per Cubic Metre	
4	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1160.00	P.Kg.		Per Kilogramme	
					<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,91,379 .00	
Name of Work :- R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925. ( SH: Repair of Pot holes Old Kasumpti Junga road between Rd 2/100 to 3/00 ).						Earnest Money :- 9,400.00	
						Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
Sr.N o.	Description	Qty.		Rates in		Unit	Amount
				In figures	In words		
				Figs	Words		
1	2	3		4	5	6	7
1	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 i/c carriage of material within all leads and lifts as per directions of the Engineer-in-Charge.	1252.56	Sqm			Per Square Metre	
						Total	

  
 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- Estimated Cost:- 4,29,275 .00  
 Name of Work :-Improvement & Widening on Kufri Chail road damage accrued due to Digging of Earnest Money :- 8600.00  
 treanches for laying O.F.C (SH):- C/O road side drain in Km 1/418 to 1/750). Time:- 30 Days.

Sr. No.	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, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks,(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shorting and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	33.61	Cum		Per Cubic Metre	
2	Providing concrete for plain/reinforced concrete in open foundations complete excluding the cost of centering and shuttering 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.(i) R.C.C grade M25 1:1.5:3 a) (one cement ratio one point five sand ratio three graded stone agg.20mm nominal size).	46.35	Cum		Per Cubic Metre	
3	Dry stone pitching 22.5 cm thick including supply and stacking and preparing the surface complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	48.00	Sqm.		Per Square Metre	
4	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty millimetre) nominal size).	10.80	Cum		Per Cubic Metre	
5	Painting two coats excluding priming coat on previously painted concrete/mason /plastered surface with readymixed paint brushing finished oil grease 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)Paint other than white	50.00	Sqm		Per Square Metre	
					Total	

Signature of Tendering Authority  
 Date: 12/05/2024  
 Place: Shimla

## SCHEDULE OF QUANTITY


Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 3,94,089.00	
Name of Work :- A/R & M/O Nari Sewa Sadan at Mashobra Shimla-2 (SH:-Repair of Nari Sewa Sadan Toilet & Steel stand for water storage tank ).						Earnest Money :- 7,900.00	
						Time:- 30 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.(i)In beams, joists, channels, angles,, tees ,flat with connecting plates, angles cleats, as in main and cross beams, hips, jack rafters, purlins connected to common rafter and the like	11.86	Qtls			Per Qtl.	
2	Supplying and fixing woven plains G.I. wire fencing of mesh 150mm to any type of standard rails, stainging bolts etc. including provision of binding wire, staples etc.	120.00	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.(ii)In gratings, framed, guards, bars ladders and railing, brackets including hollow sections of various sizes and similar works :-	3.03	Qtls			Per Qtl.	
4	Providing and fixing 0.60mm(zero point six zero milimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns rimer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesoriees as required as per the direction of Engineer-in-charge	16.60	Sqm			Per Square Metre	
5	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board. Facia/ sofflits/ 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)	3.08	Sqm			Per Square Metre	



6	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (one cement : six coarse sand) : With F.P.S.(non modular) bricks including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.07	Cum			Per Cubic Metre	
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (one cement :four coarse sqm sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.10	Sqm			Per Square Metre	
8	Providing and laying cement concrete work 1:1½:3 (one cement : one & half sand : three graded stone aggregate 20 mm(twenty milimetre) nominal size) michamically mixed and vibrated for compacting concrete and curing complete excluding cost of form work and reinforcement for reinforced concrete work,but including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charges. (a)Foundation footings bases of columns and the like mass concrete.	9.50	Cum			Per Cubic Metre	
9	15mm (Fifteen milimetres) thick cement plasters in single coat on fair side of brick/concrete/stone walls for interior plastering upto all floor level including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty milimetres) in girth and finished even and smooth with cement mortar 1:6 (one cement: six sand) with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	24.19	Sqm			Per Square Metre	
10	15mm (Fifteen milimetres) thick cement plasters in single coat on rough side of brick/concrete/stone walls for interior plastering upto all floor level including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty milimetres) in girth and finished even and smooth with cement mortar 1:6 (one cement: six sand) with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.99	Sqm			Per Square Metre	
11	Painting two coats(excluding priming costs)on new steel and other metal surfaces with enamel paint to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matters paint other than white including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.38	Sqm			Per Square Metre	


12	Applying priming coat on new concrete/masonry/asbestos cement/plastered surfaces after and including preparing the surface by thoroughly 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. i)Readymixed primer	24.19	Sqm				Per Square Metre	
13	Painting two coats(excluding priming coat on new concrete masonry/plaster surfaces with readymixed paint brushing for use on floors to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required with:- i)Paint other than white	24.19	Sqm				Per Square Metre	
14	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equvalied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	23.60	Sqm				Per Square Metre	
15	Wall painting (two coats) with plastic/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	21.60	Sqm				Per Square Metre	
16	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and foreign matters sand papered smooth to give final matter finish to the surface complete.	24.19	Sqm				Per Square Metre	
17	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 and paid for separately):- i)Angle Indian Universal closet	1.00	Nos.				Each	

18	Providing and fixing 10.00 ltr.(ten liter)capacity PVC low level flushing cistern Hind ware sleek ultra design No 186575 size 42 X 39 X 14 cm(forty two into thirty nine into fourteen centimetre) or equivalent with a pair of brackets with fittings such as lead valve, syphon, 15mm (fifteen milimetre) nominal size PVC ball valve with polythene float,with push button,couplings for connections with inlet, outlet and ovrflow 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-Charges.	1.00	Nos.			Each	
19	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 (i) Flat back (a) 550mmx400mm	1.00	Nos.			Each	
<b>Total</b>							

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:-4,22,458.00	
NAME OF WORK:- Improvement of Tarapur to Kuftu road Km. 0/00 to 0/900 ( SH: Providing and laying G-III, 20mm thick PMC in Km . 0/000 to 0/440 ).						Earnest Money :- 8,500.00	
						Time:- 30 Days	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Providing and applying tack coat with bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.275 kilogram per square metre on the prepared granular surfaces treated with primer and cleaned with hydraulic broom as per technical specification Clause 503 ( Five hundred three) including carriage of material with in all leads, lifts and as per the direction of Engineer-In- Charge.	1293.41	Sqm			Per Square Metre	
2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading -3 as per Technical Specification Clause 405.including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (By Mechanical Means)	14.55	Cum			Per Cubic Metre	
3	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type B as per Technical Specification Clause 508 . i )By manual means. Bitumen S-90.	1293.41	Sqm			Per Square Metre	
4	<b>Seal Coat</b> Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type-B and Type-C as per Technical Specification Clause 510. <b>II</b> <b>Type B (i) Bitumen (S-90)</b>	1293.41	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:-4,33,711 .00

Name of Work :- Construction of Retaining Wall with Toe Wall Behind Health Sub Center Building Earnest Money :-8700.00

at Satlaj.

Time:- 30 Days.

Sr.No.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Earth work in excavation for structure in all depths as per drawing and technical specification for rural roads August 2004 clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be duly compensated by him at his on cost in all cases, including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	22.68	Cum			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centring 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)Cement Mortar 1:5:10(One cement : five sand: ten graded stone agg 40mm nominal size).	10.01	Cum			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in Vertical Retaining walls, surface any thickness complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg 20mm (twenty millimetre) nominal size).	43.01	Cum			Per Cubic Metre	
4	Stone masonry work in Vertical Retaining walls, surface any thickness complete as per drawing and technical specifications Clauses 702, 704,1202 & 1204 Random Rubble Masonry in Cement mortar 1:6(one cement six sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	44.22	Cum			Per Cubic Metre	

5	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slope of 1:20 towards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	60.00	Rmt			Per Running Metre	
						<b>Total</b>	<b>0</b>

Recovery for useful stone laying at site i.e 47.95 cum @ 700/- per cum will be effected from the contractor.

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