

Himachal Pradesh  
Public Works Department

No. PW-SD-I-CTR- Tender-NIT/2021-22- 3075 - 76 Dated:- 18/05/2022

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-1.,  
HPPWD, Shimla-3.

Copy forwarded to for further necessary action please.

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

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

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

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

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

24-05-2022 upto 4:00 PM  
25-05-2022 upto 4:00 PM  
26-05-2022 up to 10:30 AM  
26-05-2022 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	C/O parking at SDA Complex Kasumpti Shimla-9 (SH:- Geological investigation of soil/strata)(Under Shimla Smart city).	496800/-	10000/-	350/-	30 days	Class-D
2	Development of Local Bus stand near Gurdawara Shimla (parking and Shop)(SH:- Geological investigation of soil/strata)(Under Shimla smart City ).	496800/-	10000/-	350/-	30 days	Class-D
3	A/R & M/O various residential at Kasumpti Shimla-9 (SH:- Providing and fixing cupboard ,pine wood paneling and minor repair work in type-V set no.11,20 servant qtr of type-VI set no.7 at Kasumpti -9).	464136/-	9300/-	350/-	30 days	Class-D
4	Preparation of proposal for construction of flyover at MLA crossing at Shimla cart road and junction at chakkar by pass (SH:- Preparation of proposal including detailed survey, GAD (General heads arrangement of drawings and preliminary cost estimate complete).	200000/-	4000/-	350/-	30 days	Class-D
5	A/R & M/O to various roads under Kasumpti Sub Division Shimla -9 (SH:- Railing painting work in Chotta Shimla to Panthghatti road Shimla-9).	98450/-	2000/-	350/-	30 days	Class-D
6	A/R & M/O to various resident qtrs under Kasumpti sub division -VIII Shimla-9 (SH:- Providing and fixing cupboard, painting/distempering and minor repair work in type-IV set No.12 House No.2 Ground floor first floor House No.4 at Brock Hurst Shimla-9).	3829*40/-	7700/-	350/-	30 days	Class-D
7	A/R & M/O various type-III & type-IV GAD at parimahal Kasumpti Shimla-9 (SH:- Repair of walls and white and distempering in type-III 64 and repair of bathroom in type-III set No.77 under parimahal section).	45671/-	1000/-	350/-	30 days	Class-D
8	A/R & M/O to various residential at Brock Hurst Shimla -2 (SH:- Providing and fixing painting /Distempering , Sanitary fixers and minor repair work in cottage No.6,7 at Brock Hurst Shimla.-2).	269726/-	5400/-	350/-	60 days	Class-D
9	A/R & M/O office of Economic and statistics Department Block Noo.38, SDA Complex Kasumpti Shimla-9 (SH:- P/L Sewerage line, C/O man holes etc).	112375/-	2300/-	350/-	60 days	Class-D
10	Furnishing to house No.2 First floor at Brock Hurst Shimla-2 (SH:- P/F HDF flooring inn Drawing room in House No.2 first floor at Brock Hurst Shimla )	200789/-	4050/-	350/-	30 days	Class-D
11	A/R & M/O type-VI set No.12 at Mehli Kasumpti Shimla-9 (SH:- Providing and fixing PVC flooring in type-VI set No.12 at Mehli Kasumpti Shimla-9).	113890/-	2300/-	350/-	30 days	Class-D
12	A/R & M/O to various residence qtrs at Kasumpti Shimla-9 (SH:- Repair of Corrugated G.S sheet roofing work in type-IV type-IV set No.20,17,23,26 at Kasumpti Shimla-9).	499019/-	10000/-	350/-	60 days	Class-D
13	A/R & M/O to various residence qtrs at Brock hurst Kasumpti Shimla-9 (SH:- Repair of corrugated G.S sheet roofing work in Cottage No. 15-16 at Brock Hurst Kasumpti Shimla-9).	499019/-	10000/-	350/-	30 days	Class-D
14	Upgradation of Mashobra to Bhekhali road km. 0/00 to 18/00, Category MDR-14 (Under CRF) (SH:- Preparation of Detailed project report using modern road designing softwares using Auto Desk Civil 3D for geometric alignment, and conduction of geotechnical investigations by CBR and road structural capacity determination using BBDT tests from km. 0/00 to 18/00).	454000/-	9100/-	350/-	90 days	Class-D
15	Furnishing to House No.2 First floor at Brock Hurst Shimla-2 (SH:- P/F HDF flooring in Bed room in House No.2 first floor at Brock Hurst Shimla-2).	200789/-	4050/-	350/-	30 days	Class-D
16	A/R & M/O to various residence qtrs at Kasumpti Shimla-9 (SH:- Renovation of toilet bath, ceiling, cup board ,and minor repair work in type-III set No.60, type-IV set No.38 Kasumpti type-IV set no.34 Brock Hurst , type-I set no.15 Kasumpti , Driver Qtrs dhalli set no.3 type-I set no.9 Kasumpti Shimla-9).	394806/-	8000/-	350/-	60 days	Class-D
17	A/R & M/O to residential Building at Kasumpti Shimla (SH:- Painting and Distempering acrylic Emulsion of outside the residential buildings at below pine , Brock Hurst at Kasumpti Shimla).	97294/-	2000/-	350/-	30 days	Class-D
18	C/O Old Kasumpti Junga road km. 0/00 to 11/200 (SH:- Providing and fixing steel Railing in between Rd. 0/300 to 0/600).	292681/-	5900/-	350/-	30 days	Class-D
19+	A/R & M/O to various residence qtr under Kasumpti Sub Division Shimla-9 (SH:- Providing and fixing New water connection to type-V set No.11,12A, 12 at Kasumpti Shimla-9).	182760/-	3700/-	350/-	30 days	Class-D
20	A/R & M/O HPPWD Rest House at Junga (SH:- Painting Exterior wall with weather proof apex paint and painting of inner wall of 3 Number sets and 6 Number Toilets).	185816/-	3800/-	350/-	60 days	Class-D



21	C/O of Garage along type-V set No.12 at Kasumpti Shimla-9 (SH:- Construction of garage along type-V set nO.12 at Kasumpti Shimla-9)	312239/-	6300/-	350/-	30 days	Class-D
22	M/T and maintenance of roads in Shimla Town (J)SH:- Trimming of grass, clearing of drain and white washing on Sanjulli Dhalli By pass road at RDs 0/00 to 3/700).	433883/-	8700/-	350/-	30 days	Class-D
23	Improvement and widening of road on Shimla Mandi road km. 6/00 to 22/00 (SH:- C/O R/wall at RD. 11/156 to 11/165).	188549/-	3800/-	350/-	30 days	Class-D
24	A/R & M/O to servant qtrs No. 75 to 80 at Brock Hurst Shimla-9 (SH:- C/O kitchen and toilet of servant quarter No. 75 to 80 at Brock Hurst Shimla-2).	490566/-	9850/-	350/-	60 days	Class-D
25	Improvement of curve in Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Widening of curves between Rd. 47/274 to 47/284).	88829/-	1800/-	350/-	30 days	Class-D
26	C/O Unlined surface drain on link road from Khood to Makhrol km. 0/00 to 2/300 (SH:- C/O unlined surface drain in km. 0/00 to 2/300).	116150/-	2400/-	350/-	15 days	Class-D
27	A/R & M/O to various residential quarter at Brock Hurst Kasumpti Shimla-9 (SH:- Providing and fixing of sanitary fixers, painting /Distempering and minor repair work in type-IIIo.41 and 21 at Brock Hurst Kasumpti Shimla-9).	105335/-	2200/-	350/-	60 days	Class-D
28	A/R & M/O to various residence qtrs at Kasumpti Shimla-9 (SH:- Renovation of toilet bath , kitchen and minor repair work in type-III set no.143 at Kasumpti Shimla-9).	197913/-	4000/-	350/-	60 days	Class-D

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

The tender documents shall be issued only to those contractor/Firm who fulfill the following documents with the application.

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

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

Copy forwarded to :-

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

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

Dated :- 18/05/2022

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

# SCHEDULE OF QUANTITY

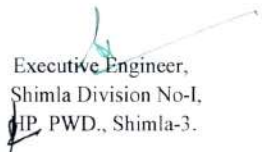
<b>Name of work:-</b> Costruction of parking at SDA complex, Kasumpti, Shimla-171009 (SH:- Geological investigation of soil/strata) (Under Shimla Smart City)				ESTIMATED COST :- Rs. 4,96,000			
				EARNEST MONEY:- Rs. 10,000			
				TIME ALL. :- 15 Days.			
Sr.No.	Particular	Qty		Rate		Unit	Amount
				In words	In Fig.		
1	Sub soil investigation in all type of soil/strata by drilling bore holes of NX size (75 millimeter diameter) ranging fro, 10 mrtre or above in depth for investigating of soil/rock conditions at site of work including mobilization and de-mobilization for drilling, shifting of machinery to bore site, making plateform and water arrangement for drilling. The scope of work includes collection of disturbed and undisturbed core samples, plugging of bore holes preservation of core including relevant fields and laboratory tests and submission of geological report of complex site of work including carriage of materials within all leads and lifts and as per the direction of the Engineer-in-Charge.	69.00	Mtr			Per running metre	
Total						Total Rs.	

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



### SCHEDULE OF QUANTITY

	<b>Name of work:-</b> Development of Local Bus stand near Gurudawara Shimla (Parking and Shop )(SH:- Geological investigation of soil/strata) (Under Shimla Smart City)				<b>ESTIMATED COST :- Rs. 4,96,000</b>		
					<b>EARNEST MONEY:- Rs. 10,000</b>		
					<b>TIME ALL. :- 15 Days.</b>		
Sr.No.	Particular	Qty		Rate		Unit	Amount
				In words	In Fig.		
1	Sub soil investigation in all type of soil/strata by drilling bore holes of NX size (75 milimeter diameter) ranging fro, 10 mtrte or above in depth for investigating of soil/rock conditions at site of work including mobilization and de-mobilization for drilling, shifting of machinery to bore site, making platform and water arrangement for drilling. The scope of work includes collection of disturbed and undisturbed core samples, plugging of bore holes preservation of core including relevant fields and laboratory tests and submission of geological report of complex site of work including carriage of materials within all leads and lifts and as per the direction of the Engineer-in-	69.00	Mtr			Per runnin g metre	
	Total					Total Rs.	

  
 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:- 4,64,136.00		
Name of Work :- A/R and M/O various residential at Kasumpti shimla 9 (SH:-Providing and fixing cupboard, pine wood panelling and minor repair work in Type-V Set No. 11, 20, servant quarter of Type-VI Set no.7 at Kasumpti-9)							Earnest Money :- 9,300.00		
							Time:- 60 Days.		
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount		
				In figures	In words				
1	Providing and fixing Corner edged cover fillets (Corner) 50mmx15mm 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 kail wood.	22.76	Rmt			Per Running Metre			
2	Providing and fixing bright finished or/and black enamelled iron ( Helic door spring 150 mm )	1.00	Nos.			Each			
3	Providing and fixing <b>bright finished brass handles</b> with screws etc. complete including carriage of materials upto all leads and lifts. i) 100 mm	38.00	Nos.			Each			
4	Providing and fixing <b>19 mm thick commercial board water proof shutters</b> for cup boards i/c fixing with nickle plated piano hinges with screws etc. complete including carriage of materials upto all leads and lifts.	42.56	Sqm			Per Square Metre			
5	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) 9mm thick.	59.64	Sqm			Per Square Metre			
6	Providing and fixing 19mm thick Commercial Board water proof shutters for up boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials in all leadsand lifts.	13.12	Sqm			Per Square Metre			
7	Providing and fixing <b>magnetic Catchers ISI marked</b> with necessary screws etc., complete in all respect including carriage of materials upto all leads and lifts.	36.00	Nos.			Each			
8	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of mateirals in all leads and lifts.(a) 1st class Indian teak wood.	172.00	Nos.			Each			
9	Providing and fixing <b>1.00 mm thick coloured or plain lamination sheet (sunmica)</b> on boards/ply wood sheets with approved adhesive nails etc., complete including carriage of materials in all leads and lifts.	41.12	P.sq m			Per Square Metre			
10	Applying priming coat over new wood and wood based surfaces after and including prepering the surface by thoroughly cleaning oil,grease,dirt and other foreign matter) sand papering and knotting complete .including carriage of mateirals in all leads and lifts.(b) Ready mixed paint brushing wood primer pink.	20.00	P.Sqm			Per Square Metre			

11	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With white enamel paint.	20.00	P.Sqm			Per Square Metre	
12	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions. including carriage of materials in all leads	52.00	Rmt			Per Running Metre	
13	Providing and fixing aluminium <b>handles anodized transparent</b> or dyed to required colour of shade with necessary screws etc., complete i/c carriage of materials in all leads and lifts. A) 125 mm	30.00	Nos.			Each	
14	Providing and fixing anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc. complete. (i) 250x16mm	2.00	Nos.			Each	
15	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete. (l) 200x10mm	35.00	Nos.			Each	
16	Providing and fixing 25mm diameter Power coated curtain rods with brackets and golden plugs etc. where ever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	34.00	Rmt			Per Running Metre	
17	Providing and fixing Godrej 20" Telescopic Runner for modular cupboards complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Pair			Per Pair	
18	Providing and fixing Godrej 10" Telescopic Runner for modular cup boards complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Pair			Per Pair	
19	P/F 4mm thick teak ply of standered quality and of approved shade & design wall lining i/c fixing with approved adhesive butt jointing and nails & screws complete ( Base frame work to be measured & paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	14.04	PSqm.			Per Square Metre	
20	Providing fixing bright finished brass tower bolts (barrel type) with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 150 x 10mm	10.00	Nos.			Each	
	ii) 100 x 10mm	10.00	Nos.			Each	



21	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials in all leads and lifts. (a) plain glass 4mm thick	3.80	PSqm.			Per Square Metre	
22	Providing and fixing aluminium eye hook anodized transparent or dyed to required shade and colour with screws etc. complete.	45.00	Nos.			Each	
23	Providing and fixing Pine wood readymade plain framed panelling with necessary screws priming coat on unexposed surface etc. complete with pine wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	59.64	PSqm.			Per Square Metre	
24	Providing and fixing 65x35mm(sixty five into thirty five milimetre) special quality bright finished brass cup board locks or wardrobe locks with six levers including necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (Indian make of approved quality)	7.00	Nos.			Each	
25	Providing and fixing Bubble sheet behind cupboard/panelling complete as per direction of Engineer-in-Charge.	59.64	PSqm.			Per Square Metre	
26	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	11.52	Sqm			Per Square Metre	
27	Applying spirit or oil stains (any colour) on wood and wood based surfaces to given an even surfaces including cleaning the surfaces of all dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting.	120.00	Sqm			Per Square Metre	
28	Applying three coat of seclar filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of all dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	120.00	Sqm			Per Square Metre	
29	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler.	120.00	Sqm			Per Square Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Estimated cost -Rs.2,00,000/-only


Earnest Money -4,0000/-only

Time - *Three months*

**Name of work :** Preparation of proposal for construction of flyover at MLA crossing at shimla cart road and junction at chakkar by pass .(Sh:-

**(Sub head:** Preparation of proposal including detailed survey, GAD (Genral arrangement of drawings), and preliminary cost estimate complete )

Sr. No.	Description of item	Quantity	Units	Rate	Amount
1	Consultancy services for preparation of proposal for construction of fly over at MLA crossing at shimla cart road and junction at chakkar by pass, including preparation of contour plan of site,GAD of flyover and preliminary cost estimate and giving the same in triplicate as per the direction of the Engineer-in-Charge.	2	Complete Job		
				TOTAL	

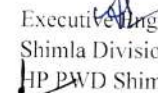
  
 Executive Engineer,  
 Shimla Division No. 1 ,  
 HPPWD Shimla-3

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 98,450.00	
Name of Work :- A/R & M/O to Various roads under Kasumpti sub Division Shimla -9( SH:- Railing Painting work in chotta shimla to Panthaghati road shimla -9).							Earnest Money :- 2,000.00	
							Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Removing of dry oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre		
2	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	150.00	Sqm.			Per Square Metre		
3	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	500.00	Sqm			Per Square Metre		
4	Painting one coat(excluding priming coat)on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt,dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i)With white enamel paint.	300.00	Sqm.			Per Square Metre		
	ii) With enamel paint other than white.	200.00	Sqm.			Per Square Metre		
5	Extra over it 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	100.00	Sqm.			Per Square Metre		
	ii) With enamel paint other than white.	100.00	Sqm.			Per Square Metre		
6	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With enamel paint other than white.	100.00	Sqm			Per Square Metre		
7	Extra over item for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)With white enamel paint	50.00	Sqm			Per Square Metre		



8	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlled on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	210.00	Sqm			Per Square Metre	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 3,82,940.00	
Name of Work :- A/R & M/O to Various resident quarter under kasumpti sub division -VIII shimla -9 (SH: Providing and Fixing cupboard ,Painting/Distempereing and minor repair work in type -IV set no-12, House No-2 Ground Floor, First Floor House no-4 at Brock Hurst Kasumpti Shimla-9)						Earnest Money :- 7,700.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Providing and fixing Corner edged cover fillets (Corner) 35mmx15mm 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 kail wood.	22.76	Rmt			Per Running Metre	
2	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
3	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	38.00	Nos			Each	
4	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.	42.56	Sqm			Per Square Metre	
5	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) 9mm thick	59.64	Sqm			Per Square Metre	
6	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.	13.12	Sqm			Per Square Metre	
7	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.	36.00	Nos			Each	
8	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	172.00	Rmt			Per Running Metre	

9	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.	24.32	Sqm			Per Square Metre	
10	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	20.00	Sqm			Per Square Metre	
11	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	20.00	Sqm			Per Square Metre	
12	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 1st class indian teak wood	52.00	Rmt			Per Running Metre	
13	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125 mm	30.00	Nos			Each	
14	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	
15	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	4.00	Nos			Each	
16	Providing and fixing 25mm diameter Powder coated curtain rods with brackets and golden plugs etc. where ever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Rmt.			Per Running Metre	
17	Providing and fixing 20" Telescopic Runner for modular cupboards complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Pair			Per Pair	



18	Providing and fixing 10" Telescopic Runner for modular cupboards complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Pair			Per Pair	
19	Providing and fixing bright finished brass 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. (a) 150x10mm	2.00	Nos			Each	
	(b) 100x10mm	2.00	Nos			Each	
20	Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Plain Glass: 4mm thick.	0.48	Sqm			Per Square Metre	
21	Providing and fixing aluminium eyehook 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.	8.00	Nos			Each	
22	Providing and fixing of wardrobe lock complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.00	Nos			Each	
23	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.	11.52	Sqm			Per Square Metre	
24	Applying spirit or oil stains (any colour) on wood and wood based surfaces to given an even surfaces including cleaning the surfaces of all dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	120.00	Sqm			Per Square Metre	
25	Applying three coat of seelar filling on new wood and new wood based surfaces to given an even surface including cleaning the surface of all dirt, dust and sand papering so as to produce a smooth dry and matt surface including stopping & knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	120.00	Sqm.			Per Square Metre	
26	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	120.00	Sqm.			Per Square Metre	

27	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	400.00	Sqm			Per Square Metre	
28	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.	200.00	Sqm.			Per Square Metre	
29	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	400.00	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.	300.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	300.00	Sqm			Per Square Metre	
31	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.	200.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	200.00	Sqm			Per Square Metre	
32	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) With white enamel paint	150.00	Sqm			Per Square Metre	
33	Extra over item No.17 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) With white enamel paint	75.00	Sqm			Per Square Metre	
34	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarled on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre	


35	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 20 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	5.40	Sqm			Per Square Metre	
36	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).	0.54	Cum			Per Cubic Metre	
37	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.	0.03	Cum			Per Cubic Metre	
38	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.	0.72	Cum			Per Cubic Metre	
39	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	
40	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.	2.00	Cum			Per Cubic Metre	
41	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.	0.90	Sqm			Per Square Metre	
42	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen millimetre) nominal bore.	12.00	Rmt			Per Running Metre	
43	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)	1.20	Sqm			Per Square Metre	
44	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	20.00	Kg.			Per Kilo-gram	



45	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) three graded stone aggregate 20 mm (twenty millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.06	Cum			Per Cubic Metre	
46	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.	0.03	Cum			Per Cubic Metre	
47	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws 40mm (forty millimetre) thick, 2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.54	Sqm			Per Square Metre	
48	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G with wire of dia 0.56 mm (zero point five six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws 40 mm (forty millimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.54	Sqm			Per Square Metre	
49	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	20.00	Sqm			Per Square Metre	
50	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	20.00	Sqm			Per Square Metre	
51	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	5.00	Nos			Each	

52	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)	5.00	Nos			Each	
53	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	5.00	Nos			Each	
54	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3(1cement:3sand) including jointing with cement mortar 1:2(1 white cement: 2 marble dust) with an admixture of pigment to match the shade of the marble. 20mm thick white green marble including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.20	Sqm			Per Square Metre	
55	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	
56	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Flexible pipe (a) 32mm dia	1.00	No			Each	
57	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
58	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	No			Each	
59	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
60	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	

61	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	2.00	No			Each	
62	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.	2.00	Nos			Each	
63	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.	2.00	Nos			Each	
64	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	
						<b>Total</b>	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 45,671.00	
Name of Work :- A/R & M/O various Type-III & Type-IV GAD at Parimahahal Kasumpti Shimla-9 (SH: -Repair of walls and white and distempering in Type-III 64 and repair of Bathroom in Type-III set No.77 under Parimahahal Section).						Earnest Money :- 1,000.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dubbing out an old irregular walls average 10mm thick with including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge. i)Cement mortar 1:5 (1 Cement : 5 Sand).	22.77	Sqm				
2	Providing and fixing chicken mesh in walls including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge.	22.77	Sqm				
3	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 mateirals in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement Mortar 1:5(1cement:5sand).	22.77	Sqm				
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).	124.29	Sqm				
5	Removing of dry oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	124.29	Sqm				
6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	37.29	Sqm				
7	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)One or more coats on old work	156.62	Sqm				
8	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlled on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Sqm				



9	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).	0.99	Cum			
10	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	0.90	Sqm			
11	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)1:3:6 (one cement : three coarse sand) : six graded stone aggregate 20 mm (twenty milimetre) nominal size)	0.99	Cum			
	(ii)1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm (twenty milimetre) nominal size)	0.008	Cum			
12	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.	0.90	Sqm			
13	Providing and fixing 100 mm sand cast Iron grating for gully trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			
14	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.	1.00	Rmt			
	( b) 90 mm dia.	15.00	Rmt			
15	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm Dia.	1.00	No			
	( b) 90 mm dia.	1.00	No			

16	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 dia	1.00	No			
	(b) 90 mm dia.	2.00	Nos			
17	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.	1.00	No			
	(b) 90 mm dia.	3.00	Nos			
18	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.	1.00	No			
19	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm (One hundred ten milimetre)Dia.	1.00	No			
	(b) 90 mm dia.	1.00	No			
						<b>Total</b>

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 2,69,726.00	
Name of Work :- A/R and M/O various residential at Brock Hurst shimla-2 (SH:-Providing and fixing Painting / Distemperring, Sanitary fixers and minor repair work in cottage no. 6,7 at Brock Hurst Shimla-2)						Earnest Money :- 5,400.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dubbing out an old irregular walls average 10mm thick with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)Cement mortar 1:4 (1 Cement : 4 Sand).	5.76	Sqm			Per Square Metre	
2	Providing and fixing cheken mesh including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.76	Sqm.			Per Square Metre	
3	20mm Cement plaster in single coat on rough side of brick/stone masonry 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 1:6(1cement:6sand)	5.76	Sqm			Per Square Metre	
4	Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking within 20 metres (twenty metres)lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Exceeding 3 sqm in area.	10.00	Nos			Each	
5	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	400.00	Sqm			Per Square Metre	
6	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.	400.00	Sqm.			Per Square Metre	

7	Distempering(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade,on decorated wall surfaces to give an even shade,after thoroughly brushing the surface lean of all grease,dirt,loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	500.00	Sqm			Per Square Metre	
8	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 enemal paint	300.00	Sqm.			Per Square Metre	
	i)With white enemal paint	300.00	Sqm.			Per Square Metre	
9	Extra over item No. 8 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 enemal paint	200.00	Sqm.			Per Square Metre	
	i)With white enemal paint	200.00	Sqm.			Per Square Metre	
10	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 mateirals in all leads and lifts as per directions of the Engineer-in-Charge. i)With Enamel paint other than white	200.00	Sqm.			Per Square Metre	
11	Extra over item No.8 for every subsequent coat of paint including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge. i)With Enamel paint other than white	200.00	Sqm.			Per Square Metre	
12	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	400.00	Sqm.			Per Square Metre	



13	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	
	a) 75 mm dia.	25.00	Rmt			Per Running Metre	
14	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 ( one hundred ten milimetre) mm dia	4.00	No			Each	
	b) 75 (seventy five milimetre)mm dia	12.00	No			Each	
15	Providing and fixing PVC D-Plast or finolex fitting ISI marked and fixing accessories of joints with approved adhesive to soil waste and ventilating pipes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. I) Bend of required degree (a) With oval access door insertion i) 110mm nominal size.	1.00	Nos			Each	
	b) 75 (seventy five milimetre)mm dia	5.00	No			Each	
16	Providing and fixing PVC D-Plast or finolex fitting ISI marked and fixing accessories of joints with approved adhesive to soil waste and ventilating pipes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. I) Bend of required degree (a) With oval access door insertion i) 110mm nominal size.	1.00	Nos			Each	
	b) 75 (seventy five milimetre)mm dia	1.00	No			Each	
17	Providing/Fixing PVC Single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 110mm(One hundred Ten ) dia	5.00	Nos			Each	
	ii) 75mm (seventy five milimetre)dia	10.00	Nos			Each	

18	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts by all means & other incidentals. a) 110 (one hundred ten milimetre) mm dia	1.00	No			Each	
	ii) 75mm (seventy five milimetre) dia	14.00	Nos			Each	
19	Providing and fixing PVC (finolex) Cowl including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm (one hundred and Ten) nominal size.	1.00	Nos			Each	
	ii) 75mm (seventy five milimetre) dia	2.00	Nos			Each	
20	Making connection of Drain of sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 (1cement: 2sand: 4graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1cement:3sand) finished with a floating coat of neat cement and making necessary channels with cement concrete 1:2:4 (1cement:2sand:4graded stone aggregate 20mm nominal size) for the drain complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) For pipe 100mm to 150mm internal diameter/nominal size.	2.00	Nos			Each	
21	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 110 mm X 90 mm.	4.00	Nos			Each	
22	Providing and fixing angular stop cock 15mm without wall flange including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Make essess cat No.DE-04.	22.00	No			Each	
23	Providing and fixing <b>C.P. grating for floor traps or Nahani trap</b> including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 100mm dia	4.00	No			Each	
24	Providing and fixing C.P. Jet with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (CARDIN)	2.00	No			Each	
25	Providing and fixing Tumbler Holder 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. make essess cat No.AC-704	1.00	No			Each	

26	Providing and fixing polycarbonated transparent sheet 1.20mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. Limpet and bitumen rubber washer complete with all accessories at required as per direction of Engineer-in-Charge.	15.84	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:- 1,12,375.00	
Name of Work :- A/R & M/O office of Economics and Statistics Department, Block No.38 , SDA complex, Kasumpti Shimla-9 (SH: P/L Sewerage line , C/O man holes, etc.)						Earnest Money :- 2,300.00	
						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 (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).	0.60	Cum			Per Cubic Metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil. including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width , camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	73.26	Cum			Per Cubic Metre	
3	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia.	41.00	Rmt			Per Running Metre	
	( b ) 90 mm dia.	41.00	Rmt			Per Running Metre	
	( c ) 150 mm dia.	2.00	Rmt			Per Running Metre	



4	Providing and fixing PVC single equal branch with oval access door, ISI marked insertion rubber washer 3mm thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm Dia.	10.00	No			Each	
	(b) 90 mm dia.	10.00	No			Each	
5	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm Dia.	5.00	No			Each	
	(b) 90 mm dia.	5.00	No			Each	
6	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	1.00	No			Each	
	(b) 90mm dia	1.00	No			Each	
7	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia.	5.00	Nos			Each	
	b) 90mm dia	5.00	Nos			Each	
8	Providing and fixing PVC offset 45° ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia	2.00	Nos			Each	
	(b) 90mm dia	2.00	Nos			Each	
9	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 dia	10.00	Nos			Each	
	(b) 90mm dia	10.00	Nos			Each	
	(c) 150mm dia	1.00	No			Each	
10	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia	2.00	Nos			Each	
	(b) 90mm dia	2.00	Nos			Each	

11	Stone filling in plinth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.50	Cum			Each	
12	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix ( 1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 ( 1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : (a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	No			Each	
13	Scaffolding in building side including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	150.00	Sqm			Per Square Metre	
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1:3:6 (one Cement : three coarse sand) : six graded stone aggregate 20 mm (twenty milimetre) nominal size)	2.25	Cum			Per Cubic Metre	
15	Dismantling old C.I. Pipes including excavaton and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within all leads including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 80 mm diameter C.I. pipe	22.00	Rmt			Per Running Metre	
	(i) 100 mm diameter C.I. pipe	22.00	Rmt			Per Running Metre	
16	Cutting of bushes including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre	

17	Providing and fixing cowl including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110mm	2.00	Nos			Each	
	(ii) 90mm	2.00	Nos			Each	
						<b>Total</b>	

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



# SCHEDULE OF QUANTITIES

ESTIMATED COST Rs. 2.00 /sqm only

EARNEST MONEY Rs. 4.00/sqm only

TIME ALLOWED One Month


**NAME OF WORK:** Furnishing to House No-2 First floor at Brock Hurst Shimla-2 (SP: P/F HDF flooring in Drawing room in House No-2 first floor at Brock Hurst Shimla-2)

Sr. No.	Description	Qty	Rates in		Unit	Amount
			Per Sqm	Per Sqm		
1	2	3	4	5	6	7
1	Providing and fixing HDF decorative laminated core board German floor AC 5 32.5mm thick placed on cushion of 2mm thick expanded polythene foam 100 micron thick polythene under layer including boarder of required shade and colour complete in all respect as per specification of architectural drawing No 24 of Job No 3977 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	90.00	Sqm		Per Square Metre	
2	Providing and fixing E. P. Foam 8 mm of Superior quality of approved sample having 8 mm thickness under layer on floor with approved adhesive complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-charge	50.22	Sqm		Per Square Metre	
					Total	

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

## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,13,890.00	
Name of Work :- A/R & M/O type-VI set No.12 at Mehli Kasumpti, Shimla-9 (SH: Providing and fixing PVC flooring in type-VI set No.12 at Mehli Kasumpti Shimla-9)						Earnest Money :- 2,300.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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. (L-G MAKE)	149.07	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-I, H.P.P.W.D., SHIMLA-3.</b>						<b>Estimated Cost:- 4,99,019.00</b>	
<b>Name of Work :- A/R &amp; M/O to various residence quarter at Kasumpti Shimla-9 (SH: Repair of Corrugated G.S. sheet roofing work in Type-IV set No.20,17,23,26 at 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	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within all lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) CGI Sheet	147.00	Sqm			Per Square Metre	
2	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup>	147.00	Sqm			Per Square Metre	
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	724.00	Kg.			Per Kilogram	
	(ii) In beams	322.00	Kg.			Per Kilogram	
4	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	10.00	Rmt			Per Running Metre	
5	Providing valleys of 90cm wide over all in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	64.00	Rmt			Per Running Metre	
6	Providing flushing 38cm. overall in plain G.I. sheet fixed with galvanised iron. J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i)0.63mm thick sheet.	64.00	Rmt			Per Running Metre	

7	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.	24.00	Sqm			Per Square Metre	
8	Providing and fixing 15cm wide, 45cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	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-1, H.P.P.W.D., SHIMLA-3.								Estimated Cost:- 4,99,019.00	
Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Kasumpti Shimla-9 (SH: Repair of Corrugated G.S. sheet roofing work in Cottage No.15-16 at Brock Hurst Kasumpti Shimla-9).								Earnest Money :- 10,000.00	
								Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount		
				In figures	In words				
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within all lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) CGI Sheet	147.00	Sqm			Per Square Metre			
2	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm thick with zinc coating not less	147.00	Sqm			Per Square Metre			
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	724.00	Kg.			Per Kilogram			
	(ii) In beams	322.00	Kg.			Per Kilogram			
4	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	10.00	Rmt			Per Running Metre			
5	Providing valleys of 90cm wide over all in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	64.00	Rmt			Per Running Metre			
6	Providing flushing 38cm. overall in plain G.I. sheet fixed with galvanised iron. J or L hooks, bolts and nuts, G.I. limpet washer and bitumen washers complete bent to shape and fixed in walls with cement mortar 1:3 (1 cement : 3 sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63mm thick sheet.	64.00	Rmt			Per Running Metre			

7	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.	24.00	Sqm			Per Square Metre	
8	Providing and fixing 15cm wide, 45cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	15.00	Sqm			Per Square Metre	
						<b>Total</b>	

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

# HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

## DMT SCHEDULE OF QTY

Estimated cost - ₹4,55,400.00  
 Earnest Money - ₹9,100.00  
 Time - Three months

**Name of work :** Upgradation of Mashobra to Bhekhalti road km 0/000 to 18/000 . Category MDR-14 (UNDER CRF).

**Sub head:** Preparation of Detailed project report using modern road designing softwares using AutoDesk Civil 3D for geometric alignment, and conduction of geotechnical investigations by CBR and road structural capacity determination using BBDT tests from Km 0/000 to 18/000.

Sr. No.	Description of item	Quantity	Units	Rate	Amount
1	Preparation of Detailed project report which include following provision as mentioned below :				
	A) Topography survey by Digital total station with two second accuracy , showing all features on survey plan like trees, culvert, bridge, electric pole, telephone poles, hand pumps, school, habitant villages.	18	km		
2	Preparation of survey plan showing all provision and preparation of detailed project report as per MORTH guidelines and cross section at 15 m (fifteen meter) interval, L-section.	18	km		
3	Conduction of Traffic survey.	18	km		
4	Geotechnical Investigation (CBR test including grain size analysis , atterbergs limit , proctor compaction and CBR value)	18	samples		
5	BBT (benkelman beam test) for strengthening of existing payment.	18	km		
6	Preparation of detailed estimate with detailed design and drawings of pavement and structural componenets as per relevant irc codes and rate analysis as per MORTH guidelines.	18	km		

*[Signature]*  
 Executive Engineer  
 B&R Division-1  
 HPPWD Shimla

# SCHEDULE OF QUANTITIES

ESTIMATED COST:Rs.2,00,789/-only  
EARNST MONEY :Rs. 4,050/-only.  
TIME ALLOWED : One Month.

NAME OF WORK: Furnishing to House No-2 First floor at Brock Hurst Shimla-2 (SH: P/F HDF flooring in Bed room in House No-2 first floor at Brock Hurst Shimla-2 )

Sr.N o.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Providing and fixing HDF decorative laminated coir board Grman floor AC-3 32.8mm thick placed on cushion of 2mm thick expanded polythene foam 100 micron thick polythene under layer including boarder of required shade and coular complete in all respect as per specification of architcural drawing No.24 of Job No.3977 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	90.00	Sqm		Per Square Metre	
2	Providing and fixing E.P.Foam 8 mm of Superior quality of approved sample having 8 mm thickness under layer on floor with approved adhesive complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-charge.	50.22	Sqm		Per Square Metre	
					Total	

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



## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 3,94,806.00	
Name of Work :- A/R & M/O to various residence quarter at Kasumpti Shimla-9 (SH: Renovation of Toilet, Bath,Ceiling,Cup board, and minor repair work in Type-III set No.60,Type-IV set no-38 kasumpti, Type-iv set no-34 Brock Hurst ,Type-I set no-15 Kasumpti, Driver Quater Dhalli set no-3, Type-I Set no-9 at Kasumpti Shimla-9).						Earnest Money :- 8,000.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.83	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(I) Of area 3 sq. metres and below	2.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1.49	Cum			Per Cubic Metre	
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm			Per Square Metre	

9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5(seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in.(i) Cement mortar 1:4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	
10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight milimetre) thick	28.93	Sqm			Per Square Metre	
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm(three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre)thick cement mortar 1:4 (one Cement: four Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	8.47	Sqm			Per Square Metre	
12	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm (twenty milimetre) thick cement mortar 1:4 (One cement : four coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Size of tile 600x600mm (six hundred into six hundred milimetre)	11.88	Sqm			Per Square Metre	
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	12.00	Rmt			Per Running Metre	
14	Centering and shuttering including strutting, propping etc. and removal of form for : including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)	1.44	Sqm			Per Square Metre	
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	11.09	Kg.			Per Kilo-gram	

16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three graded stone aggregate 20 mm (twenty milimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.10	Cum			Per Cubic Metre	
17	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.02	Cum			Per Cubic Metre	
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws. 40mm (forty milimetre) thick. 2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.35	Sqm			Per Square Metre	
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G, with wire of dia 0.56 mm (zero point five six milimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty milimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.26	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos			Each	
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen milimetre)	2.00	Nos			Each	



24	Providing and fixing aluminum tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	
25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty 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.	24.00	Sqm			Per Square Metre	
28	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	68.00	Sqm			Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	36.00	Sqm			Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	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	50.00	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.	36.00	Sqm			Per Square Metre	
33	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	10.00	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.	6.00	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	6.00	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).	3.00	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) 450mm 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 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	
55	Providing and fixing 1.50mm(One point five zero milimetre) thick PVC antistatic vinyl Flooring plain or coloured,carbed or mosaic/metalled finish laid with approved adhesive on sub-floor(damp proofing treatment to be paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.MAKE LG	48.00	Sqm			Per Square Metre	
56	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.	200.00	Sqm			Per Square Metre	
	b) With enamel paint other than white	200.00	Sqm			Per Square Metre	
57	Extra over item for every subsequent coat of paint on previously painted wood and wood based surfaces with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	100.00	Sqm.			Per Square Metre	
	b)With enamel paint other then white	100.00	Sqm.			Per Square Metre	
58	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 white	100.00	Sqm			Per Square Metre	
59	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	50.00	Sqm			Per Square Metre	
60	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)	300.00	Sqm			Per Square Metre	

61	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	200.00	Sqm			Per Square Metre	
62	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.	200.00	Sqm.			Per Square Metre	
						<b>Total</b>	

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



# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.							Estimated Cost:-97,294.00	
Name of Work :- A/R & M/O to residential Building at Kasumpti Shimla (SH: Painting and Distempering acrylic Emulson of outside the residential buildings at Below Pine , Brock Haust at Kasumpti, Shimla)							Earnest Money :- 2,000.00	
							Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Finishing walls with Acrylic Smooth exterior paint of required shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	400.00	Sqm			Per Square Metre		
2	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)One or more coats on old work	400.00	Sqm			Per Square Metre		
3	Finishing walls /CGI sheet roofing with Acrylic Smooth exterior paint of required shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	250.00	Sqm			Per Square Metre		
4	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.	250.00	Sqm			Per Square Metre		
5	Providing and applying while cement based puty of average thickness 1mm, of approved brand and manufacture. Over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	250.00	Sqm			Per Square Metre		
6	Providing scaffolding for all kind of works in multistorey buildings up to all height with Bamboo complete tied with rope on joints and pedestal of CGI sheet etc. in all respect (Face area of scaffolding upto top pedestal height shall be measured and paid for)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre		
						Total		

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

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 2,92,681.00
Name of Work :- C/C Old Kasumpti Junga road Km 0/000 to 11/200. (SH :-Providing and Fixing steel Railing in between Rd 0/300 to 0/600).				Earnest Money :- 5900.00
				Time:- 30 Days:-

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation for structure in all depths as per drawing and technical specification for rural roads August 2004 clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be 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.	11.49	Cum			Per Cubic Metre	
2	Providing and concrete Mechanically mixed and vibrated P.C.C M-10 nominal mix 1:3:6 (Cement:Sand:6graded stone agg. 40mm nominal size for plain/ reinforced concrete in open foundations and plinth) or similar works complete as per drawings and technical specifications MCRD Clause 802.803, 1202 & 1203 and curing complete including carriage of materials in all leads and lifts as per the same satisfaction and directions of the Engineer-in-Charge.	11.49	Cum			Per Cubic Metre	
3	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) In gratings framed guard bars, ladders, railing, brackets and similar works.	22.68	Qrl.			Per Quintal	
4	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matters: a) ) Enamel white paint	67.50	Sqm			Per Square Metre	
						Total	

Executive Engineer,  
Shimla Division No.1,  
H.P.P.W.D 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:- 1,82,760.00</b>	
<b>Name of Work :- A/R &amp; M/O to various residence quarter Under Kasumpti Sub Division Shimla-9 (SH: ·</b>						<b>Earnest Money :- 3,700.00</b>	
<b>Providing and fixing New water connection to Type-V set No.11,12A, 12 at Kasumpti Shimla-9).</b>						<b>Time:- 30 Days.</b>	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Providing and fixing to wall ceiling and floor galvanized mild steel tubes (Medium grade) tube fitting and clamps including making good the wall, ceiling and floor ) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15millimeters nominal bore	480.00	Rmt			Per Running Metre	
	(b) 20millimeters nominal bore	60.00	Rmt			Per Running Metre	
2	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15 mm nominal bore	30.00	Nos			Each	
	(b) 20millimeters nominal bore	6.00	Nos			Each	
3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm nominal bore.	12.00	Nos			Each	
	(b) 20millimeters nominal bore	6.00	Nos			Each	
						<b>Total</b>	

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



## SCHEDULE OF QUANTITY

Authority :- EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 185816 .00		
Name of Work :- J.R. & M.D HPPWD Rest House at Junga ( SH:- Painting Exterior wall with weather				Earnest Money :- 3800.00		
Proof apex paint and painting of inner wall of 3 Number sets and 6 Number Toilets).				Time:- 30 Days.		
Sr.No.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	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	427.39	Sqm.		Per Square	
2	Repairs to plaster in patches of 2.50 Sq.M. and under and 10 to 15mm thick including cutting the patch in proper shape and replastering the surface of the wall including disposal of rubbish to the dumping ground within a Lead of 20 metres with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Cement Mortar 1:6 (1 Cement : 6 Sand)	90.00	Sqm		Per Square Metre	
3	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.	517.39	Sqm		Per Square Metre	
4	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 cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete.	1142.26	Sqm		Per Square Metre	
5	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 clean 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	175.40	Sqm		Per Square Metre	
6	Extra over item for every sub sequent 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.	175.40	Sqm		Per Square Metre	
7	Providing 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.(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).	2.25	Cum		Per Cubic Metre	
					<b>Total</b>	

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



## SCHEDULE OF QUANTITY

<b>Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.</b>	<b>Estimated Cost:- 3,12,239.00</b>
<b>Name of Work :- C/O of Garage along type V set No.12 at Kasumpti Shimla-9(SH: Construction of garage along type V set No.12 at Kasumpti Shimla-9).</b>	<b>Earnest Money :- 6,300.00</b>
	<b>Time:- 30 Days.</b>

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.	5.832	Cum			Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)1:3:6 (one Cement : three coarse sand) : six graded stone aggregate 20 mm(twenty milimetre) nominal size)	7.09	Cum			Per Cubic Metre	
3	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1236.40	Kg.			Per Kilogram	
4	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)80x0.90 mm (eighty into zero point nine zero milimetre)M.S. laths with 0.90 mm(zero point nine zero milimetre) thick top cover.	9.90	Sqm			Per Square Metre	
5	Providing and fixing ball bearing for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	

6	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth level upto floor V. level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Cement mortar 1:4 (One cement : four coarse sand)	50.49	Sqm			Per Square Metre	
7	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm (eight milimetre)diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge (i) 0.63 mm(zero point six three milimetre) thick with zinc coating not less than 275 gm/ m <sup>2</sup>	11.88	Sqm			Per Square Metre	
8	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	3.90	Sqm			Per Square Metre	
9	15 mm(fifteen milimetre) cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Cement Mortar 1:6 (one Cement:six fine Sand).	91.41	Sqm			Per Square Metre	
10	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) New work (two or more coats) over and including water thinnable priming coat with cement primer.	164.34	Sqm			Per Square Metre	
						<b>Total</b>	

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

# DRAFT SCHEDULE OF QUANTITY

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

Estimated Cost:- 4,33,883.00

Name of Work :- M/T and maintenance of roads in Shimla Town (SH :- Trimming of grass, clearing of drain and White washing on Sanjauli Dhelli By Pass road at RDs 0/00 to 3/700).

Earnest Money :- 8700.00

Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Unit	Estimated Rate		Unit	Amount
				In figure	In words		
1	Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10000.00	Sqm			Per Square Metre	
2	The maintenance of drains include erosion, repair, clearing, reshaping, regarding, deepening of side drains as well as catch water drains as per technical specification Clause 1907 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5000.00	Rmt			Per Running Metre	
3	Trimming of grass and weeds from the shoulders/ berms and disposing off the same to suitable locations as per technical specifications Clause 1914 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7500.00	Sqm			Per Square Metre	
4	White washing two coats on parapets walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3195.00	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:- 1,88,549.00		
Name of Work :--Improvement and widening of road on Shimla Mandi road km. 6/000 to 22/000 (SH: C/O R/Wall at RD. 11/156 to 11/164 ).					Earnest Money :- 3,800.00		
					Time:- 30 Days.		
Sr.N o.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per drawing and Technical Specification Clause 1603.1 including carriage carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	26.08	Cum			Per Cubic Metre	
2	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culvers, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks,(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty milimetre) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.940	Cum			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:6:12(One cement: Six sand:Twelve graded stone agg.40mm (forty milimetre) nominal size).	2.940	Cum			Per Cubic Metre	
4	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty milimetre) nominal size).	36.41	Cum			Per Cubic Metre	



5	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Granular material.	1.11	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.	24.00	Rmt			Per Runing Metre	
						Total	

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

# SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.									
Name of Work :- A/R & M/O to servent quarter no-75 to 78 at Brock Hurst Shimla-9 (SH: C/O Kitchen and Toilet of servent quater no 75 to 78 at Brock Hurst shimla-2)							Estimated Cost:- 4,90,566.00		
							Earnest Money :- 9,850.00		
							Time:- 60 Days.		
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount		
				In figures	In words				
1	Demolition below G.L. upto all floor level including disposal of unserviceable materials within 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) un-reinforced cement concrete 15 cm.(fifteen centimetre) Thickness.	0.59	Cum			Per Cubic Metre			
	un-reinforced cement concrete more than 15 cm.(fifteen centimetre) Thickness.	3.72	Cum			Per Cubic Metre			
2	Dismantling dhajji walling including stacking of serviceable materials and disposal of unserviceable materials within all leads and lifts (serviceable materials to be stacked properly handed over to the department free of cost) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.15	Sqm			Per Square Metre			
3	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	2.73	Cum			Per Cubic Metre			
4	Providing and laying cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm nominal size) excluding cost of centring and shuttering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Foundations and plinth	0.59	Cum			Per Cubic Metre			
5	Providing and laying cement concrete 1:6:12 (1 cement:6 sand:12 graded stone agg. 40mm nominal size) and curing complete excluding cost of centring and shuttering in foundation and plinth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.59	Cum			Per Cubic Metre			
6	Brick work using common burnt clay building bricks in foundation and plinth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Cement Mortar 1:4 (one cement:four sand) Second Class Bricks	2.57	Cum			Per Cubic Metre			

7	Half brick masonry in common burnt clay building bricks including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) Cement Mortar 1:4 Second Class Brick	42.44	Sqm			Per Square Metre	
8	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.	8.61	Qtls.			Per Quintal	
9	Dismantling roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials within 20 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 1) G.I. Sheet roofing	6.50	Sqm			Per Square Metre	
10	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. (i) 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup>	9.90	Sqm			Per Square Metre	
	Labour Rate	4.50	Sqm			Per Square Metre	
11	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, shuttering, 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, landings and the like. (a) Floors etc. upto 200mm. in thickness.	10.80	Sqm			Per Square Metre	
	b) Edges of slabs and breaks in floors and walls: Under 20 cm. (twenty centimetre) wide.	6.00	Rmt			Per Running Metre	

12	Providing mild steel/tor steel reinforcement for RCC work including cutting bending, binding & placing in position complete up to all floor level/all heights including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Tor steel.	129.60	Kgs.			Per Kilogram	
13	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.08	Cum			Per Cubic Metre	
14	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Cement mortar 1:6 (1 cement : 6 coarse sand)	0.68	Cum			Per Cubic Metre	
15	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm (one hundred milimetre)& 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.	4.00	Rmt			Per Running Metre	
16	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a)2nd class Deodar wood.	0.368	Cum			Per Cubic Metre	
17	Providing 40x3 mm flat iron hold fast 40cm. Long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm.(thirty into ten into fifteen centimetre) 1:3:6 ( One cement : three sand: six graded stone aggregate 20mm nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	30.00	Nos			Each	
18	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 2nd class deodar wood	0.06	Cum			Per Cubic Metre	
19	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	11.43	Sqm			Per Square Metre	



20	Providing and fixing wire guage M.S. wire gauge of I.S. gauge designation 85 G, with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screw in .40 mm including directions of the Engineer-in-Charge(2nd class deodar wood.)	2.57	Sqm			Per Square Metre	
21	Providing and fixing plain asbestos sheet lining with butt jointing and wood screws (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. i) 5 mm thick	10.80	Sqm.			Per Square Metre	
22	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 1st Class Deodar Wood.	24.60	Rmt			Per Running Metre	
23	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 150x10mm	20.00	Nos			Each	
24	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	20.00	Nos			Each	
25	Providing and laying spartic ceramic tiles 5.5mm thick in flooring (300x300mm size) treads of steps laid on a bed of 12mm thick cement mortar 1:3 (1 cement:3 sand) finished with flush pointing in whit cement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.80	Sqm			Per Square Metre	
26	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. (Make Nitco /Kajaria/Orient)	40.31	Sqm.			Per Square Metre	
27	25 mm cement concrete flooring 1:2:4 (1 cement: 2 sand :4 stone aggregate of size 12.5 mm and below) laid over base concrete and finished with a floating coat of neat cement (base concrete to be paid separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm			Per Square Metre	
28	15mm cement plaster in single coat on rough side of brick/ concrete /stone walls for interior plastering up to all floor level /heights i/c arises internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:4 (1 cement:4 sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	87.44	Sqm.			Per Square Metre	

29	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture of and of required shade of undecorated wall surfaces to give an even shade over and including a priming coat with Alkali-resistance primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter 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.	45.00	Sqm			Per Square Metre	
30	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 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.	42.44	Sqm.			Per Square Metre	
31	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.	12.60	Sqm			Per Square Metre	
32	Distempering(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface free of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	12.60	Sqm			Per Square Metre	
33	Extra over item No 32 for every sub sequent coat of distempering with oil bound washable distemper of approved brand and manufacture including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	12.60	Sqm			Per Square Metre	
34	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.	87.44	Sqm.			Per Square Metre	
35	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	50.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	40.00	Sqm			Per Square Metre	


36	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.	25.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	20.00	Sqm			Per Square Metre	
37	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With white enamel paint	20.00	Sqm			Per Square Metre	
38	Extra over item No. 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	10.00	Sqm			Per Square Metre	
39	Providing and fixing plain M.S. Grills of required pattern in steel frames of windows and ventilators etc. with M.S. flats, square or round bars with round headed bolts and nuts etc. or by screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	Per Kg.			Per Kilo-gram.	
40	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1 cement:3 sand) finished with a floating coat of neat cement including rounding of junction with floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.60	Sqm.			Per Square Metre	
41	Providing and fixing vitreous China wash down, water closet squatting pan (Indian type W.C. pan) size 580mm (Five hundred eighty milimetre) (Earth work, bed concrete, foot rest and trap to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Orissa Pattern	2.00	Nos.			Each	
42	Providing and fixing 100mm (one hundred milimetre) size 'P' or 'S' trap for water closet (squatting pan) including jointing the trap with the pan and soil pipe with approved adhesive or in cement mortar 1:1 (one cement : one sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) PVC 110mm (one hundred ten milimetre) dia.	2.00	Nos			Each	
43	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	4.00	Nos			Each	



44	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.	2.00	No			Each	
45	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.	2.00	Nos			Each	
46	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.	2.00	Nos			Each	
47	Providing and fixing G.I./M.I Union of following sizes (where not included in the items including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm	4.00	No			Each	
48	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.	10.00	Rmt			Per Running Metre	
	iii) 90 mm dia	5.00	Rmt			Per Running Metre	
49	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 110mm dia	2.00	No			Each	
	(ii) 90 mm dia.	2.00	No			Each	
50	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm dia.	2.00	No			Each	
	(ii) 90 mm dia.	2.00	No			Each	
51	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	



	(ii)90 mm dia.	2.00	No			Each	
52	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with common burnt clay building bricks in cement mortar 1:5 (1 cement : 5 sand ) C.I. Cover with frame (light duty ) 355mm x 610mm internal dimensions total weight of cover with frame to be not less than 38kg (weight of cover 23 kg. and weight of frame 15kg) R.C.C top slab with 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size ) foundation concrete 1:5:10 ( 1cement : 5 sand : 10 graded stone aggregate 40mm nominal size) inside plaster 15mm thick with cement mortar 1:3 (1 cement : 3 sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( i)Inside dimensions 600 mm x 850 mm x 450 mm deep for single pipe line with three or more inlets .(with cemocrete cover)	2.00	Nos			Each	
53	Providing and laying in trenches, galvanised mild steel tubes (medium grade), tube fittings (earth work in trenches to be measured and paid separately)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)15mm nominal bore	10.00	Rmt			Per Running Metre	
54	Providing and fixing PVC floor trap of self cleaning design with sand cast iron screwed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 110mm x90 mm nominal diameter	2.00	Nos			Each	
55	Constructing brick masonry in C.M 1:5 road gully chamber 300 mm x300 x450mm including 300mm x 300mm C.I Horizontal grating with frame complete .including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge	2.00	Nos			Each	
						Total	

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


## SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 88829.00	
Name of Work :- Improvement of Curve in Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925.					Earnest Money :- 1,800.00	
(SH :- Widening of curves between RD 47/274 to 47/284).					Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Cutting in earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour ( if required ). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation as per the directions of the Engineer-in-Charge. The recover of stones, wheather use full or not, for <b>23.45 Cum @ 300/- (Three hundred only )</b> per Cubic metre shall be effected on pro rata bases in all circumstances. Any loss to the public and private propriety during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.	234.50	Cum		Per Cubic Metre	

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:- 1,16,150 .00	
Name of Work :C/O Unlined surface drain on link Road from Khood to Makhrol km.0/000 to2/300 ( SH: C/O Unlined surface drain in Km. 0/00 to 2/300 ).						Earnest Money :-2,400.00	
						Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
Sr.No o.	Description	Qty.		In figures	In words		
				Rates in			
				Figs	Words		
1	2	3		4	5	6	7
1	Construction of unlined surface drain of average cross-sectional area 0.4 sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and Technical Specification Clause 307. Excavated material to be used in embankment at site including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Mechanical Means	2300.00	Rmt			Per Running Metre	
						Total	

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

## SCHEDULE OF QUANTITY

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

**Estimated Cost:-** 1,97,913.00

**Name of Work :-** A/R & M/O to various residence quarter at Kasumpti Shimla-9 (SH: Renovation of Toilet, Bath, Kitchen and minor repair work in Type-III set No.143 at Kasumpti Shimla-9).

**Earnest Money :-** 4,000.00

**Time:-** 60 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.(Twenty metres)lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm(Twenty milimetre)	33.80	Sqm			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	0.43	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-Charge.	0.07	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(I) Of area 3 sq. metres and below	2.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre	
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1.69	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 millimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.10	Cum			Per Cubic Metre	
17	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.02	Cum			Per Cubic Metre	
18	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws. 40mm (forty millimetre) thick. 2nd class Deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.70	Sqm			Per Square Metre	
19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm (zero point five six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws. 40 mm (forty millimetre) thick (i) 2nd class deodar wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	0.53	Sqm			Per Square Metre	
20	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
21	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 125mm	4.00	Nos			Each	
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen millimetre)	2.00	Nos			Each	
24	Providing and fixing aluminum tower bolts (barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 200x10mm	2.00	Nos			Each	

25	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm(One hundred fifty milimetre)) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.80	Sqm			Per Square Metre	
28	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	39.20	Sqm			Per Square Metre	
29	Providing and fixing 19mm thick commercial board water proof shutters for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
30	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.00	Nos			Each	
31	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	10.00	Rmt			Per Running Metre	
32	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.80	Sqm			Per Square Metre	
33	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive. cost of cutting and making good the wall and floors etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 110 mm X 90 mm.	3.00	Nos			Each	
34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.( a) 110 mm dia.	6.00	Rmt			Per Running Metre	
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. ( a) 110 mm dia.	2.00	Nos			Each	




36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) 110 mm ( one hundred ten milimetre) dia	2.00	Nos			Each	
37	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	100.00	Sqm			Per Square Metre	
	b) With enamel paint other than white	50.00	Sqm			Per Square Metre	
38	Extra over item No.37 for every subsequent coat of paint on previously painted wood and wood based surfaces with enamel paint brushing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	50.00	Sqm.			Per Square Metre	
	b)With enamel paint other then white	25.00	Sqm.			Per Square Metre	
39	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.( a) With white enamel paint	50.00	Sqm			Per Square Metre	
40	Extra over item No. 39 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	5.00	Sqm			Per Square Metre	
41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	200.00	Sqm			Per Square Metre	
42	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	200.00	Sqm			Per Square Metre	
43	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cement mortar 1:3(1cement:3sand) including jointing with cement mortar 1:2(1 white cement: 2 marble dust) with an admixture of pigment to match the shade of the marble. 20mm thick white green marble including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.44	Sqm			Per Square Metre	
44	Providing and fixing vitreous China Hind ware IS marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred milimetre)	1.00	Nos			Each	



45	Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.I. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)610 x 510 mm (six hundred ten into five hundred ten milimetre) with bowl depth 200 mm(two hundred milimetre).	1.00	No			Each	
46	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a)32 mm(thirty two milimetre) dia	1.00	No			Each	
47	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	
48	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
49	Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	
50	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	2.00	Nos			Each	
51	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
52	Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm dia	3.00	Nos			Each	
53	Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm dia	1.00	No			Each	
54	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
55	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 450mm length (i) 15mm nominal bore.	4.00	Nos			Each	
56	Providing and fixing wall mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
57	Providing and fixing wash basin mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
58	Providing and fixing sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	

59	Providing and fixing PTMT Coloured / white high density polythelene / poly propylene 10 litres capacity ( full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm nominal size PVC ball valve with polythene float,with push button,couplings for connections with inlet, outlet and ovr flow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
60	Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 1 SOLID TYPE (a) White plastic seat and cover.	1.00	No			Each	
61	Providing and fixing vitreous china wash down water closet (European type W.C. pan) with integral P or S strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each	
62	Providing and fixing 1.50mm(One point five zero milimetre) thick PVC antistatic vinyl Flooring plain or coloured,carbed or mosaic/metalled finish laid with approved adhesive on sub-floor(damp proofing treatment to be paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.MAKE LG	32.00	Sqm			Per Square Metre	
						<b>Total</b>	

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