

Himachal Pradesh
Public Works Department

No. PW-SD-I-CTR- Tender-NIT/2022-2023- 5390-91 Dated:- 20-06-2022

To


The Executive Engineer (IT Cell)
Nigam Vihar Shimla.

Subject :- Publication of Tender Notice.

Jai Hind


Enclosed please find herewith the tender Notice of work as given in the Notice Inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW (B)A(3)1/2020 dated Shimla-2 the 16th July 2021 as the works mentioned in the tender notice are urgent in nature and in public interest.

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


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

Copy forwarded to for further necessary action please.

1. The Superintending Engineer 4th Circle HPPWD Shimla .


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

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

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

- | | |
|--|---------------------------|
| 1. Date of receipt of application for tender forms:- | 24-06-2022 upto 4:00 PM |
| 2. Dated of Issue /sale of tender forms:- | 25-06-2022 upto 4:00 PM |
| 3. Date of receipt of tender:- | 27-06-2022 up to 10:30 AM |
| 4. Date of opening of tender:- | 27-06-2022 up to 11:00 AM |

Sr. No.	Name of Work	Estimated cost	EMD(Rs.)	Cost of Tender (Rs.)	Time Limit	Eligible class of Contractor
1	Improvement of Curve in Challanda piran road km. 0/00 to 28/020 (SH:- Widening of curve between Rd. 8/300 to 8/375, 19/915 to 19/945 & 20/705 to 20/765).	499997/-	10000/-	350/-	30 days	Class-D
2	Improvement /widening of Elysium to Devidhar road km. 0/00 to 16/300 (SH:- C/O B/wall at RD. 0/810 to 0/820).	195207/-	4000/-	350/-	60 days	Class-D
3	Improvement & Widening on Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/2500 (SH:- C/O R/wall at RD. 25/608 to 25/623).	311685/-	6300/-	350/-	30 days	Class-D
4	A/R & M/O to various residence qtrs at Brock Hurst Shimla-2 (SH:- Inner and outer painting work in cottage No.9 at Brock Hurst).	98150/-	2000/-	350/-	60 days	Class-D
5	A/R & M/O to type-I to VI qtrs at mehli Kasumpti Shimla (SH:- Painting and Distempering type-VI set No.14 at mehli Kasumpti Shimla).	107454/-	2200/-	350/-	30 days	Class-D
6	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-IV set No.32 at Kasumpti Shimla-9).	269526/-	5400/-	350/-	60 days	Class-D
7	Stock storage of PWD store at Auckland Tunnel Shimla (SH:-P/F Fencing and Rolling gate shutter)(Balance work).	499940/-	10000/-	350/-	30 days	Class-D
8	Restoration of Vikasnager to Kasumpti via SDA Complex road km. 0/00 to 0/550 (SH:- Repair /Construction of road side drain and laying C.C. in extra portion on vidkasnager to Kasumpti via SDA complex road between Rd. 0/00 to 0/155 various RDs).	96840/-	2000/-	350/-	60 days	Class-D
9	A/R & M/O various residential Qtrs type-I to VI at Kasumpti Shiimla-9 (SH:- Repair of kitchen to type-I set nO.7 at Kasumpti Shimla).	182632/-	3700/-	350/-	60 days	Class-D
10	Improvement /widening of CD work in Dublooo Lakhoti road km. 0/00 to 5/760 (SH:- C/O wing wall both side at RD. 5/460 of culvert)	493109	9900/-	350/-	30 days	Class-D
11	A/R & M/O to various residential qtr at Kasumpti Shimla-9 (SH:- Renovation of kitchen painting /Distempering and minor repair work in set No.7 at Driver colony Dhalli Shimla-12).	147968/-	3000/-	350/-	60 days	Class-D
12	A/R & M/O to various residential qtrs under sub Division Shimla-9 (SH:- Painting /Distempering work in cottage No.1 type-V set No.22 Driver qtrs No.3 and due /vacation sets Shimla-9).	208000/-	4200/-	350/-	60 days	Class-D
13	Improvement & widening of kelti Barmu road km. 0/00 to 3/180 to 0/187 & crash Barrier).	369371/-	7400/-	350/-	60 days	Class-D
14	A/R & M/O to various residence quarter Kasumpti Shimla-9 (SH:- Providing and fixing of concertina coil fencing and minor repair work in type-VI set No.1 type-III set NO.149 at Kasumpti Shimla-9).	93314/-	1900/-	350/-	60 days	Class-D
15	A/R & M/O to various residence quarter under Kasumpti Shimla-9 (SH:- Providing and fixing of cup board , painting /Distempering and minor repair work in type-III set NO.155 at Kasumpti Shimla-9).	99756/-	2000/-	350/-	60 days	Class-D
16	A/R & M/O various residential qtrs type-1 to VI at Kasumpti Shimla-9 (SH:- Provideing and laying HDF wooden flooring and unitex carpet in stair in type-VI set No.12 at Mehli Kasumpti Shimla-9).	335400/-	6800/-	350/-	30 days	Class-D
17	Improvement & Widening on Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- C/O Extension of RCC slab culvert up stream side at RD. 14/600).	456876/-	9200/-	350/-	30 days	Class-D
18	R.R.D for laying of sewerage line on old Kasumpti Junga road km. 0/00 to 11/200 (SH:- Providing and Fixing M.S Railing in km. 1/600 to 1/750).	469022/-	9500/-	350/-	30 days	Class-D
19	C/O Science Lab at Govt. SS School Junga (SH:- Providing and fixing out side fencing and steel stairs in the back side of building and MS Grills in open able window).	375041/-	7500/-	350/-	30 days	Class-D
20	A/R & M/O of various residential qtrs type-I to VI at Kasumpti Shimla-9 (SH:- Repair of garage No.9 & 11 Kasumpti Shimla).	178987/-	3600/-	350/-	60 days	Class-D
21	Special repair of I.T Bhawan at mehli Kasumpti Shimla (SH:- P/F Indian seat in Indian seat in Ladies Toilet and repair of toilet due to seepage of walls (floors etc in I.T Bhawan Mehli Shimla)	112260/-	2300/-	350/-	30 days	Class-D
22	A/R & M/O to various residence qtr under Kasumpti Shimla-9 (SH:- Aluminum Glazing work in Pine view set No.7at Kasumpti Shimla).	213427/-	4300/-	350/-	60 days	Class-D
23	Improvement & Widening of Kufri Chail road km. 0/00 to 0/120 (SH:- C/O Drain	347643/-	7000/-	350/-	30	Class-D

	in PCC on Kufri Bazar road in km. 0/00 to 0/125).				days	
24	Improvement & Widening of Rjhana to Savi road km. 0/00 to 0/120 (SH:- Improvement of road deficiencies in formation and C/O Drain in km. 0/00 to 0/120).	474600/-	9500/-	350/-	30 days	Class-D
25	A/R & M/O Chamyana to Surala road km. 0/00 to 6/00 (SH:- Repair of pot holes between RD. 0/00 to 6/00).	483271/-	9700/-	350/-	30 days	Class-D
26	R.R.D Occurred due to digging by sewer line by SJJNL on Shoghi Mheli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Repair of pot holes between RD. 23/00 to 24/00 various RDs).	478606/-	96600/-	350/-	15 days	Class-D
27	R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Repair of pot holes between RD. 22/375 to 23/00).	470485/-	9400/-	350/-	15 days	Class-D
28	R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road km. 12/375 to 48/925 (SH:- Repair of pot holes between RD. 24/00 to 25/00 various RD).	470760/-	9500/-	350/-	15 days	Class-D
29	A/R & M/O to vigilance headquarter at khalini Shimla-2 (SH:- Renovation officer's mess kitchen, Guest House Toilet and minor repair work etc).	483892/-	9700/-	350/-	60 days	Class-D
30	A/R & M/O type-VI set No.18 at mehli Kasumpti Shimla-9 (SH:- Repair of toilet, kitchen painting Distempering in type-VI set No.18 at Mehli Kasumpti Shimla-9).	436360/-	8800/-	350/-	60 days	Class-D
31	A/R & M/O various residential qtrs type-I to VI at Kasumpti Shimla-9 (SH:- Repair of kitchen to type-I set no.2 at Kasumpti Shimla).	183882/-	3700/-	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 pledged 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.

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

Dated :- 20-6-2022

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.


SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 499997.00				
Name of Work :- Improvement of Curve in Challanda Piran road KM 0/00 to 28/020. (SH:- Widening of Curve between Rd.8/300 to 8/375,19/915 to 19/945 & 20/705 to 20/765).					Earnest Money :- 10,000.00				
					Time:- 30 Days.				
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount		
				In figures	In words				
1	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 304.03 Cum @ 300/-(Three hundred) 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.	1520.21	Cum			Per Cubic Metre			
								Total	

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

DRAFT SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,95,207.00	
NAME OF WORK :- Improvement / Widening of Elysium to Devidhar road KM 0/00 to 16/300 (SH :- C / O. B / Wall at RD.0/810 to 0/820).						Earnest Money :- 4000.00	
						Time:- 60 Days.	
Sr.No	Description of Work / Item (S)	No.of Qty.		Estimated Rate		Unit	Amount
				In	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) All kinds of soil	16.10	Cum			Per Cubic Metre	
2	Earth work in surface excavation not exceeding 30 cm in (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) Ordinary rock	11.25	Cum			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level(i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 20 mm nominal size) as directed by Engineer-in-charge	36.75	Cum			Per Cubic Metre	
5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm (One hundred milimetre) dia PVC pipe extending through the full with of the structures with slop of 1(v):20(H) towards drawing face complete as per drawing and technical specification clauses 614, 709, 1204.3.7 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	25.00	Rmt			Per Rining Metre	
						Total	


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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.			Estimated Cost:- 311685.00	
Name of Work :- Improvement & Widening on Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/25/00 (SH:- C/O R/Wall at at Rd 25/608 to 25/623).			Earnest Money :- 6,300.00	
			Time:- 30 Days.	

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation for structure in all depths as per drawing and technical specification for rural roads August 2004 clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	29.70	Cum			Per Cubic Metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:5:10(One cement: five sand:Ten graded stone agg.40mm (forty milimetre) nominal size).	8.10	Cum			Per Cubic Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.20mm (twenty milimetre) nominal size).	51.75	Cum			Per Cubic Metre	
4	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Granular material.	18	Cum			Per Cubic Metre	

5	Providing weep holes in Breast wall/Retaining wall on stone masonry with 100mm & P.V.C. pipe with slop of 1:20 to wards the face complete as per drawing including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	49.50	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.						Estimated Cost:-98,150.00	
Name of Work :- A/R & M/O to various residence quarter at Brock Hurst Shimla-2 (SH: Inner and Outer						Earnest Money :- 2,000.00	
Painting work in cottage No.9 at Brock Hurst).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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.	150.00	Sqm			Per Square Metre	
2	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.	150.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	75.00	Sqm			Per Square Metre	
3	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	100.00	Sqm			Per Square Metre	
4	Extra over item No. 3 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	
5	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equal on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	350.00	Sqm			Per Square Metre	
6	Extra over item for every subsequent coat of weather proof exterior grade emulsion of approved design (Apexultima) or its equal on undecorated wall surfaces 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.	150.00	Sqm			Per Square Metre	

7	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt,dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre	
8	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	350.00	Sqm			Per Square Metre	
9	Painting two coats (excluding priming coats) on new steel and other metal surfaces with enamel paints brushiong to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With enamel paint other than white.	20.00	Sqm			Per Square Metre	
10	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.	100.00	Sqm			Per Square Metre	
11	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.	350.00	Sqm			Per Square Metre	
						Total	


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

SCHEDULE OF QUANTITY

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

Estimated Cost:-1,07,454.00

Name of Work :- A/R & M/O to Type-I to VI Qtrs. at Mehli Kasumpti Shimla (SH: Painting and Distempering Type-VI set No.14 at Mehli Kasumpti Shimla).

Earnest Money :- 2,200.00

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.	544.14	Sqm			Per Square Metre	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	544.14	Sqm			Per Square Metre	
3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)One or more coats on old work	471.83	Sqm			Per Square Metre	
4	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)One or more coats on old work	423.48	Sqm			Per Square Metre	
5	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarled on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly leaning the surface to remove all dirt, dust and other foreign matter etc. including sand paper smooth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	275.65	Sqm			Per Square Metre	
						Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 2,69,526.00	
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-IV set No.32, at Kasumpti Shimla-9).						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	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).	0.43	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.(l) 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	

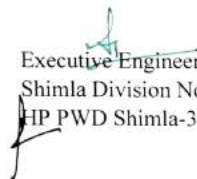
23	Providing and fixing anodized aluminum sliding door bolts anodized colour and shade with bolts and nuts screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 250x16mm (two hundred fifty into sixteen milimetre)	2.00	Nos			Each	
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.	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	Providing and fixing vitreous China Hind ware ISI marked IS No. 2556 or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Flat back :- (i) 550 X 400 mm (five hundred fifty into four hundred milimetre)	1.00	Nos			Each	
38	Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.I. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 610 x 510 mm (six hundred ten into five hundred ten milimetre) with bowl depth 200 mm (two hundred milimetre).	1.00	No			Each	
39	Providing and fixing C.P. brass waste for wash basin or sink including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 32 mm (thirty two milimetre) dia	1.00	No			Each	
40	Providing & fixing 32 mm (thirty two milimetre) dia, PVC waste pipe for wash basin or sink including check nut including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
41	Providing and fixing 100mm C.P. grating for gully, floor or Nahni trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
42	Providing and fixing looking mirror of superior glass with plastic frame including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	Nos			Each	

43	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 600mm x 20mm	2.00	Nos			Each	
44	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
45	Providing and fixing C.P. Brass bib tap with capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15mm dia	3.00	Nos			Each	
46	Providing and fixing C.P Brass pillar tap with Capstan head including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)15mm dia	1.00	No			Each	
47	Providing and fixing C.P. brass angle valve 15mm without Nuts and pipe including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
48	Providing and fixing PVC connection with brass unions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 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 strap including jointing the trap with soil pipe in cement mortar 1:1 (One cement:one sand) (seat and cover to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Ordinary closet	1.00	No			Each	
55	Providing and fixing 1.50mm(One point five zero milimetre) thick PVC antistatic 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	
						Total	


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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3. **Estimated Cost:- 4,99,940.00**

Name of Work :- Stock storage of PWD Store at Auckland Tunnel Shimla(SH: P/F Fencing and Rolling gate shutter) (Balance work) **Earnest Money :- 10000.00**

Time :- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Cutting and disposal of earth work in by mechanical in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting of to the required lines, levels as shown on the drawing and directed by the Engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). The recovery for stones, whether use full or not for 19.06cum(Nineteen point zero six cubic metre) @ 300/-only(Rupees three hundred only) per cubic metre shall be effected on prorata basis in all circumstances. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost). Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.	4.32	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 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	4.32	Cum			Per Cubic 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	2764.53	Kg.			Per Kilogram	
4	Providing and fixing 0.50mm (zero point five zero milimetre)thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm (six milimetre)dia metre with prepainted limpet and rubber washers complete with all accesories as required as per the direction of Engineer-in-charge.	47.61	Sqm			Per Square Metre	


5	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.	58.80	Sqm			Per Square Metre	
6	Providing and fixing ball bearing for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	No			Each	
7	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)Rolling wheel 20cm wide with stopper for the gate machine rolled laths.	6.00	Sqm			Per Square Metre	
						Total	

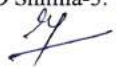
Executive Engineer,
Shimla Division No.1,
HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 96,840.00	
Name of Work :- Restoration of Vikasnagar to Kasumpti via SDA complex road Km.0/000 to 0/550'(SH:						Earnest Money :- 2,000.00	
Repair / Construction of Road side drain and laying C.C. in extra portion on Vikasnagar to Kasumpti via SDA complex road between RD. 0/000 to 0/155 various RD's).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil. including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be 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.	16.18	Cum			Per Cubic Metre	
2	Stone soling properly hand packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and camber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HPPWD specification. 100mm spread thickness (finished work including materials and labour) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	8.83	Cum			Per Cubic Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto 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 20mm(twenty milimetre) nominal size).	13.76	Cum			Per Cubic 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 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.	52.50	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-I, H.P.P.W.D., SHIMLA-3.

Estimated Cost:- 1,82,632.00

Name of Work :- A/R & M/O various residential Qtrs. type I to VI at Kasumpti Shimla-9 (SH: Repair of Kitchen to Type-I set No.7 at Kasumpti Shimla).

Earnest Money :- 3,700.00

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 floor two level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.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	6.30	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).	0.63	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- Charge.	0.18	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.06	Cum			Per Cubic Metre	
5	Dismantling cement asbestos celotax/hard board in ceiling or partition wall including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (Frame work such as joists, beams to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
6	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 (fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
7	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.40	Sqm			Per Square Metre	
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	3.10	Cum			Per Cubic Metre	
9	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.44	Sqm.			Per Square Metre	

10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight milimetre) thick	62.84	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.	16.50	Sqm.			Per Square Metre	
12	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, udipur green marble area of slab over 0.5 Sqm. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.80	Sqm			Per Square Metre	
13	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)610 x510 mm with bowl depth 200 mm.	1.00	No			Each	
14	Providing and fixing Sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
15	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	3.00	Rmt			Per Running Metre	
16	Centering and shuttering including strutting, propping etc. and removal of form for including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)	1.80	Sqm			Per Square Metre	
17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	30.00	Kgs.			Per Kilogram	
18	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three raded stone aggregate 20 mm (twenty milimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.80	Cum			Per Cubic Metre	
19	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm (forty milimetre into twelve milimetre) section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1st Class Deodar Wood.	15.00	Rmt			Per Running Metre	

20	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick 1st class deodar wood	1.62	Sqm			Per Square Metre	
21	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick 2nd class deodar wood	1.62	Sqm			Per Square Metre	
22	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	30.00	Sqm			Per Square Metre	
23	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	30.00	Sqm			Per Square Metre	
24	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Sqm			Per Square Metre	
25	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	3.60	Sqm			Per Square Metre	
26	Providing and fixing 19mm thick commercial board water proof shutters for up boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.88	Sqm			Per Square Metre	
27	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Nos			Each	
28	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	45.00	Rmt			Per Running Metre	
29	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.76	Sqm			Per Square Metre	
30	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	30.00	Sqm			Per Square Metre	

	(b) With enamel paint other than white.	15.00	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.	50.00	Sqm.			Per Square Metre	
	(b) With enamel paint other than white.	7.00	Sqm.			Per Square Metre	
						Total	


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

SCHEDULE OF QUANTITY

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

Estimated Cost:- 4,93,109 .00

Name of Work :-Improvement/Widening of CD work in Dubloo Lakhoti road Km 0/00 to 5/760 (SH:- C/O Wing wall Both side at Rd 5/460) *(of Culvert)*

Earnest Money :- 9900.00

Time:- 30 Days.

Sr. No.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Earth work in excavation for all type of road structures such as retaining walls, breast walls, 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	42.00	Cum			Per Cubic Metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete including Shuttering as per drawing and technical specification clauses 802.803.1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:Four sand:Eight graded stone agg.40mm (forty milimetre) nominal size).	7.20	Cum			Per Cubic Metre	
3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: 1:3:6 (One cement : Three coarse sand) : six 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	76.64	Cum			Per Cubic Metre	
4	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Granular material.	21.60	Cum			Per Cubic Metre	
						Total	

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

SCHEDULE OF QUANTITY

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

Estimated Cost:- 1,47,368.00

Name of Work :- A/R & M/O to various residential qtr. at Kasumpti Shimla-9 (SH: Renovation of Kitchen, Painting/Distemping and minor repair work in set No.7 at Driver Colony Dhalli Shimla-12).

Earnest Money :- 3,000.00

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 within 20 mtrs. (Twenty metres) lead (wooden/concrete joists to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For thickness of tiles upto 25mm/ Twenty millimetre)	18.62	Sqm			Per Square Metre	
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 (fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Nominal concrete 1:3:6 (One cement : three sand : six graded stone aggregate) (one or richer mix (i.e. equivalent design mix).	0.43	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of un-serviceable material within 50 (fifty) metres lead as per direction of Engineer - in-charge.	0.07	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of un-serviceable material within 50 (fifty) metres lead as per direction of Engineer-in-charge. (i) In cement mortar.	0.07	Cum			Per Cubic Metre	
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Of area 3 sq. metres (three square metre) and below	2.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 (Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.50	Sqm			Per Square Metre	
7	Disposal of building rubbish / malba / similar un-serviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	0.93	Cum			Per Cubic Metre	
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.36	Sqm			Per Square Metre	
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in (i) Cement mortar 1:4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	

10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm (twelve milimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm. including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm (eight milimetre) thick	17.73	Sqm			Per Square Metre	
11	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm (three hundred into three hundred milimetre) or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm (twenty milimetre) thick cement mortar 1:4 (one Cement: four Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.47	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)	3.18	Sqm			Per Square Metre	
13	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm (fifteen milimetre) nominal bore.	6.00	Rmt			Per Running Metre	
14	Centering and shuttering including strutting, propping etc. and removal of form for : including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Shelves (Cast in situ)	0.72	Sqm			Per Square Metre	
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	5.54	Kg.			Per Kilo-gram	
16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three raded stone aggregate 20 mm (twenty milimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	0.05	Cum			Per Cubic Metre	
17	Providing & fixing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 2nd class Deodar wood.	0.025	Cum			Per Cubic Metre	
18	Providing and fixing paneled glazed or paneled and glazed shutters for doors windows and clerestory windows including black enameled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick i) 2nd Class Deodar Wood.	1.35	Sqm			Per Square Metre	

19	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 40mm thick 2nd class deodar wood	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) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
26	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 100 mm	5.00	Nos			Each	
27	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	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.	7.20	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.	10.00	Nos			Each	

31	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	20.00	Rmt			Per Running Metre	
32	Providing and fixing 1.00mm thick coloured or plain lamination sheet (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 of self cleaning design with sand cast iron crewed down or hinged grating without vent arm complete including cost of cutting and making goods the walls and floors including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 75mm nominal diameter	3.00	Nos			Each	
34	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) 110 mm dia.	6.00	Rmt			Per Running Metre	
35	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110 mm dia	2.00	Nos			Each	
36	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 110mm dia	2.00	Nos			Each	
37	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to given and even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) With white enamel paint.	50.00	Sqm			Per Square Metre	
	b) With enamel paint other than white	50.00	Sqm			Per Square Metre	
38	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.	25.00	Sqm.			Per Square Metre	
	b) With enamel paint other than white	25.00	Sqm.			Per Square Metre	
39	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint	10.00	Sqm			Per Square Metre	
40	Extra over item 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(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.	200.00	Sqm			Per Square Metre	
42	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	100.00	Sqm			Per Square Metre	
43	Providing and laying marble work (table rubbed and polished) with semi round nosing in flooring laid over 20mm (Twenty milimetres) thick base in 1:3 (One cement: three sand) including jointed with cement mortar 1:2 (one white cement: two marble dust) with an admixture of pigment to match the shade of marble 20mm (Twenty milimetres) thick Green marble with including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.80	Sqm			Per Square Metre	
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	No			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. (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	No			Each	
50	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass 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	
						Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 2,08,000.00		
Name of Work :- A/R & M/O to various residential quarter under sub division Shimla-9 (SH:Painting /Distempering work in cottage no.I, Type-V set no-22 Driver qtr no-3 and due /vacation sets shimla-9).					Earnest Money :- 4,200.00		
					Time:- 30 Days.		
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	800.00	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.	400.00	Sqm			Per Square Metre	
3	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)	800.00	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 enemal paint	500.00	Sqm.			Per Square Metre	
	With enamel paint other them white.	300.00	Sqm.			Per Square Metre	
5	Extra over item No. 6 for every subsequent coat of paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i)With white enemal paint	300.00	Sqm.			Per Square Metre	
	With enamel paint other them white.	100.00	Sqm			Per Square Metre	
6	Painting one coat (excluding priming coat) on previously painted steel and othermetal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt,dust and other foreign matter including carriage of mateirals in all leads and lifts as per directions of the Engineer-in-Charge. i)With Enamel paint white	200.00	Sqm.			Per Square Metre	

7	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 Enamel paint other than white	100.00	Sqm.			Per Square Metre	
8	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.	400.00	Sqm.			Per Square Metre	
9	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	350.00	Sqm			Per Square Metre	
						Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.	Estimated Cost:-3,69,371.00
Name of Work :- Improvement & Widening of Kelti Barmu road KM.0/00 to 3/180 (SH: C/O Retaining Wall at RD.1/180 to 0/187 & Crash barrier)	Earnest Money :- 7,400.00
	Time:- 60 Days.


Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Amount
				In figures	In words	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil, including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion hailing 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.	40.95	Cum			Per Cubic Metre
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) Cement Mortar 1:6:12(One cement:Six sand:Twelve graded stone aggregate 40mm(forty milimetre) nominal size).	3.01	Cum			Per Cubic Metre
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 1:4:8 (one Cement : four coarse sand) : eight graded stone aggregate 20 mm(twenty milimetre) nominal size)	45.92	Cum			Per Cubic Metre
4	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm (five centimetre to twenty centimetre), in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-Charge.	6.30	Cum			Per Cubic Metre

5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm(One hundred milimetre) dia PVC pipe extending through the full with of the structures with slop of 1(v):20(H) towards drawing face complete as per drawing and technical specification clauses 614, 709, 1204.3.7 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	35.00	Rmt			Per Running Metre	
6	Providing and Fixing Single "W" Metal beam crash barrier comprising of cold formed W profiled section having thickness of 3 mm (three milimetre)(uncoated thickness) with frame width of 311mm (three hundred eleven milimetre) depth 83 mm (eighty three milimetre)and length 4318 mm(four thousand three hundred eighteen milimetre) (made of ISI marked HR coil conforming to IS : 5986/2011) . to be fixed on cold formed channel section post of size 150x75x5 mm (One hundred fifty into seventy five into five milimetre)(Made from ISI marked Hr Coils conforming to IS 5986/2011) spaced 1.50 metre(one point five zero metre) centre to centre of the post which will be of total height of 1.80 metre(One point eight zero metre) with its height of 1.1 metre(One point one metre) below ground level and 0.70 metre(zero point seven zero metre) above ground level. Metal beam rail to be fixed on the vertical post with spacer channel of cold formed channel section size 150x75x5 mm and 330 mm(One hundred fifty into seventy five into five milimetre) and (three hundred thirty milimetre) long (made from ISI Marked HR coils conforming to IS : 5986/2011) . All the above components shall - conform to clause 810 of MORTH & H specifications including all fittings required for erection on road side W-Beams, Posts , Spacers shall be hot dip galvanised with Zinc coating of 550 gm/Sqm(five hundred fifty gramt/swquare metre). All bolts , nuts and washers shall be hot dip galvanised to IS :1367 pt-XIII/1983 (Reaffirmed 2011) for bolts and IS 14394/1996 (reaffirmed 2011) for nuts including carriage of materials in all leads and lifts as per the direction of Engineer-in- charge.	30.00	Rmt			Per Running Metre	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 93,314.00	
Name of Work :- A/R & M/O to various residence quarter Kasumpti Shimla-9 (SH: Providing and fixing of concertina coil fencing and minor repair work in Type-VI set No.1 Type-III set No.149 at Kasumpti Shimla-9).							Earnest Money :- 1,900.00	
							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 concertina coil fencing with punched tape concertina coil 600mm dia 10 metre openable length (total length 90m), having 50 nos rounds per 6 metre length ,upto 3m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00m apart and with 9 horizontal R.B.T. reinforced barbed wire stud tied with G.i. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-Charge, with reinforced barbed tape(R.B.T./Spring core(2.5mm thick) wire of high tensile strength of 165kg./sq.mm with tape(0.52mm thick) and weight 43.478gm/metre (cost of M.S. angle , C.C. blocks shall be paid for separately) including carriage of materials in all leads and lifts as per <u>directions of the Engineer-in-Charge</u>	50.00	Rmt			Per Running Metre		
2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	353.60	Kg.			Per Kilogram		
3	Supplying and fixing Welding mesh to wood or steel members in partifications etc. Weight exceeding 3 kg. and not exceeding 5 Kg. per Sqm. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	18.00	Sqm			Per Square Metre		
4	Providing and fixing polycarbonated transparent sheet 1.5mm thick in roofing with galvanised J or L hooks bts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	18.00	Sqm			Per Square Metre		
5	Painting two coats(excluding priming coats) on new steel and other metal surfaces with enamel paints spraying to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With enamel paint other than white.	20.00	Sqm			Per Square Metre		
						Total		


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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:-99,756.00	
Name of Work :- A/R & M/O to various residence quarter under Kasumpti Shimla-9 (SH: Providing and fixing of cup board, Painting/ Distempering and minor repair work in Type-III set No.155 at Kasumpti Shimla-9).						Earnest Money :- 2.000.00	
						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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.	5.40	Sqm			Per Square Metre	
2	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. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)Readymixed paint brushing wood primer pink.	10.00	Sqm			Per Square Metre	
3	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	10.00	Sqm			Per Square Metre	
4	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	
5	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	
6	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	
7	Providing and fixing bright finished or/and black enamelled iron (Helical door spring 150mm)including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
8	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	5.00	Nos			Each	
9	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
10	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.	7.20	Sqm			Per Square Metre	

11	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	
12	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Nos			Each	
13	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	20.00	Rmt			Per Running Metre	
14	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.80	Sqm			Per Square Metre	
15	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	
16	Extra over item for every subsequent coat of paint on wood including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	50.00	Sqm			Per Square Metre	
	b) With enamel paint other than white.	25.00	Sqm			Per Square Metre	
17	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) With white enamel paint	50.00	Sqm			Per Square Metre	
18	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	25.00	Sqm			Per Square Metre	
19	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.	200.00	Sqm			Per Square Metre	
20	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.	100.00	Sqm			Per Square Metre	

21	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.	50.00	Sqm.			Per Square Metre	
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.	5.00	Nos			Each	
23	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) 110 (one hundred ten milimetre)mm dia.	10.00	Rmt			Per Running Metre	
24	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	3.00	Nos			Each	
25	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)110 (one hundred ten milimetre) mm dia	3.00	Nos			Each	
26	Providing and laying prepolished chequered tiles 22mm thick without marble chips of size upto 6mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20mm thick bed of cement mortar 1:4(1cement:4 coarse sand) (i) Red/grey shade.	4.00	Cum			Per Cubic Metre	
27	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	7.20	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:- 3,35,400.00

Name of Work :- A/R & M/O various residential Qtrs. type I to VI at Kasumpti, Shimla-9 (SH: Providing and laying HDF wooden flooring and unitex carpet in stair in type-VI set No.12 at Mehli Kasumpti Shimla-9).

Earnest Money :- 6,800.00

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 HDF decorative laminated coir Grman floor AC-4 32.8mm thick placed on cushion of 2mm thick expanded poly thene foam 100 micron thick poly thene under layer including boarder of required shade and colar complete in all respect as per specification of architectural drawing 7 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	150.00	Sqm			Per Square Metre	
2	Providing and fixing non wooven carpet (Unitex) of superior quality in all shade and colour of approved sample having 3.8mm(three point eight milimetre) thickness and 900 grams weight per square meter laid on floor with approved adhasive complete in all respect including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	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-I, H.P.P.W.D., SHIMLA-3. Estimated Cost:- 4,56,876.00

Name of Work :-Improvement & Widening on Shoghi Mehli Junga Sadhupul road KM 12/375 to Earnest Money :- 9,200.00

48/925 (SH:- C/O Extension of RCC slab culvert up stream side at Rd 14/600). Time:- 30 Days.

Sr.No.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks.(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty milimetre) compacted thickness including shorting and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.85	Cum			Per Cubic Metre	
2	Providing form work with steel plates 3.15mm.thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring, huutering, strutting and propping etc. with wooden battens and ballies, height of propping and centring below supporting floor to ceiling not exceeding 4 Mtrs. and removal of the same for insitu-reinforced concrete & plain concrete work in: i) Flat surfaces such as soffits of suspended floors, roofs, landing and the like. Floors etc. up to 200mm in thickness.	53.40	Sqm.			Per Square Metre	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(a) Cement Mortar 1:4:8(One cement:four sand:Eight graded stone agg.40mm (forty milimetre) nominal size).	2.97	Cum			Per Cubic Metre	
4	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 (i) RCC M-25 (1:1.5:3)(One cement: One point five sand: Three graded stone aggregate ii) Upto 5m height including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	28.20	Cum			Per Cubic Metre	
5	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1732.50	kg			Per Kilogramme	
						Total	0.00

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

SCHEDULE OF QUANTITY


Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 4,69,022.00	
Name of Work :- R.R.D for laying of sewerage line on Old Kasumpti Junga road Km 0/000 to 11/200(SH:- Providing and Fixing M.S Railing in km . 1/600 to 1/750).							Earnest Money :-9500.00	
Sr. Description of Work / Item (S)							Time:- 30 Days.	
No		No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Earthwork in excavation for structures as per drawing and technical specification including setting out construction of shoring and bracing ,removal of stumps and other deleterious matter dressing of sides and bottom and backfilling with approved material including carriage of materials labour and equipments to various location of site of work through all modes of transportation in all leads, lifts and all incidental charges.	12.15	Cum			Per Cubic Metre		
2	Providing concrete for plain reinforced cement concrete in open foundation complete as per drawing and technical specifications Clauses 802, 803, 1202. and 1203 including of materials in all leads and lifts as per the same satisfaction and direction of Engineer in charge. (I) PCC grade M-20 (1:2:4)(One cement: Two sand: Four graded stone aggregate).	12.15	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.	2874.56	Kg			Per Kilogram		
4	Providing and fixing moulded hand rail of M.S. hollow pipe 100mm dia welded in straight length over M.S. flat at top of vertical balusters including one coat of red oxide priming coat complete (M.S. flat & balusters of railings shall be measured & paid separately.	120.00	Rmt			Per Running Metre		
5	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brush in to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matters: a) Enamel white paint	302.40	Sqm			Per Square Metre		
						Total		

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3. **Estimated Cost:-** 3,75,041.00
Name of Work :- C/O Science Lab at Govt SS School Junga (SH:- Providing and Fixing Out side fencing and steel stairs in the back side of building and MS Grills in openable window). **Earnest Money :-** 7500.00
Time:- 30 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Steel work welded in built up sections, trusses and framed work including cutting hoisting fixing in position and applying a priming coat of red lead paint including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. a) In gratings framed guard bars, ladders, railing, brackets and similar	1850.11	Kg			Per Kilogramme	
2	Providing and fixing moulded hand rail of M.S. hollow pipe 100mm dia welded in straight length over M.S. flat at top of vertical balusters including one coat of red oxide priming coat complete (M.S. flat & balusters of railings shall be measured &	31.98	Rmt			Per Running Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge. (i) 1:3:6 (one Cement : three coarse sand) : six graded stone aggregate 20 mm (twenty milimetre) nominal size)	13.04	Cum			Per Cubic Metre	
4	Providing and fixing M.S. grills of required pattern in wooden frame of window etc. with M.S. flat square rounded bars with round headed bolt & nuts and screws including priming coat with approved steel primer all complete fixed to openings/wooden frame with rawal plugs screws etc. Including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	318.60	kg			Per Kilogramme	
5	Providing and fixing Steel Mesh size 75x75x5 mm in fencing etc. (i) Weight exceeding 3.00 Kgs. and not exceeding 5.00 Kgs. Per Square Metre including carriage of materials in all leads and lifts as per directions of the Engineer-in-	61.94	Sqm			Per Square Metre	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm (zero point nine zero litre/ ten square metre) over an under coat of primer applied @ 0.80 ltr/ 10 sqm (zero point eight zero litre/ ten square metre) of approved brand and manufacture including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	101.62	Sqm			Per Square Metre	
						Total	


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

SCHEDULE OF QUANTITY

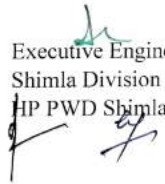
Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,78,987.00	
Name of Work :- A/R & M/O of various residential Qtrs. type-I to VI at Kasumpti Shimla-9 (SH: Repair of garage No.9 & 11 Kasumpti Shimla).						Earnest Money :- 3,600.00	
						Time:- Two months	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated In figures	Rate In words	Unit	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm (ten Square Metre) on plan) including getting out and disposal of excavated earth all lead and lift as directed by Engineer-in-charge and sorting out useful and unuseful material and transportation of the unuseful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required) Any loss to the public and private propriety, human being, machinery during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges. (i)All kinds of soil	10.80	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)	12.06	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.	689.52	Kg.			Kg	
4	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm (twenty seven point five centimetre) long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 80x0.90mm (eighty into ninety milimeter)M.S. laths with 0.90mm(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)	4.05	Sqm			Per Square Metre	

7	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 0.63 mm (zero point six three milimetre) thick with zinc coating not less than 275 gm/ m ²	4.96	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	0.99	Sqm			Per Square Metre	
9	15mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1:6 (One cement: six fine sand)	80.79	Sqm			Per Square Metre	
						Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 1,12,260.00	
Name of Work :- Special Repair of I.T. Bhawan at Mehli Kasumpti Shimla (SH: P/F Indian seat in Indian seat in Ladies Toilet and repair of Toilet due to seepage of walls (floors etc. in I.T. Bhawan Mehli Shimla)(Deposit)						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	12 mm thick pre-laminated particle board (decorative lamination on both sides) grade - I, medium density flat pressed, three layer particle board FPT- I or graded wood particle board FPT- I, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and pre- laminated conforming to IS : 12823, Grade I, Type - II marked including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	43.30	Sqm			Per Square Metre	
						Total	


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

SCHEDULE OF QUANTITY

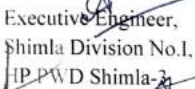
Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 2,13,427.00	
Name of Work :- A/R and M/O to various residence qtr. under Kasumpti Shimla-9 (SH:Aluminium Glazing work in Pine view set No.7 at Kasumpti Shimla-9)							Earnest Money :- 4,300.00	
							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 aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)(i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	237.06	Kgs.			Per Kilogram		
1.1	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for eparately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) Powder coated aluminium(minimum thickness of powder coating 50 micron)	31.05	Kgs.			Per Kilogram		
2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): (a)With Reflective toughffned glass panes of 5mm thickness (weight not less than 12.50 kg/ sqm)	12.00	Sqm			Per Square Metre		
	(b)With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	6.00	Sqm			Per Square Metre		
3	Providding and fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Anodized (AC 15) aluminium	5.00	Nos			Each		
4	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in- charge. (i) Anodized (AC 15) aluminium	12.00	Nos			Each		

5	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	0.65	Kgs.			Per Kilogram	
6	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540- F & ISO 11600.(i) Upto 10 mm depth and 10 mm width	3.00	Rmt			Per Running Metre	
7	Providing and fixing ACP sheet in aluminium door, window, ventilator shutters and partition etc. complete (cost of aluminium snap beading shall be paid in basic item) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	9.00	Sqm			Per Square Metre	
8	Providing and fixing G.I. wire mesh 85G or 0.56 dia wire in aluminium window, ventilator shutters etc. with PVC/neoprene gasket etc. complete as per architectural drawings and the direction of the Engineer-in-Charge.(cost of aluminium snap beading shall be paid in basic item).	1.44	Sqm			Per Square Metre	
9	Providing and fixing aluminium tower bolts(barrel type)anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 150x10mm	12.00	Nos			Each	
10	Providing and fixing polycarbonated transparent sheet 1.5mm thick in roofing with galvanised J or L hooks bolts and nuts with G.I. limpet and bitumen rubber washer complete with all accessories as required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.35	Sqm			Per Square Metre	
11	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.	3.00	Nos			Each	
						Total	

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

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:-3,47,643 .00	
Name of Work :- Improvement & Widening of Kufri Chail road Km 0/00 to 0/120 (SH:- C/O Drain in PCC on Kufri Bazar road in Km 0/00 to 0/125).					Earnest Money :-7000.00	
					Time:- 30 Days.	
Sr.N o.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Earth work in excavation for all type of road structures such as retaining walls, breast walls, culvers, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rocks, hard rocks, chiselling/wedging out of rocks,(where blasting is prohibited) as per drawing and MORD technical specifications Clause 305.1, 1104 and 1606.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable approved materials to the original surface in layers not exceeding 150mm (One hundred fifty milimetre) compacted thickness including shorting and strutting and pumping and bailing out water (surface and sub soil water) upto all depth and any quantum of water including cleaning of slush which may arise out during dewatering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	46.12	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 the directions of the Engineer-in-Charge. (i)1:1.5:3 (one Cement : one point five coarse sand :three graded stone aggregate 20 mm (twenty milimetre) nominal size)	42.36	Cum		Per Cubic Metre	
3	Cement plaster (up to 30 cm height with cement mortar 1:3(1 cement : 3 sand) finished with a floating coat of neat cement including rounding of junctions with floor including carriage of material upto all leads and lifts as per direction of Engineer-in-Charge i) 15 mm thick.	54.00	sqm		Per Square Metre	
4	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)On concrete work	110.25	sqm		Per Square Metre	
					Total	


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


SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-1, H.P.P.W.D., SHIMLA-3.				Estimated Cost:-4,74,600 .00		
Name of Work :- Improvement & Widening of Rjhana to Savi road Km 0/00 to 0/120 (SH:-				Earnest Money :-9500.00		
Improvement of road defeciences in formation and C/O drain in Km 0/00 to 0/120)				Time:- 30 Days.		
Sr.N o.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Providing and concrete Mechanically mixed and vibrated P.C.C M-10 nominal mix 1:3:6 (1cement:3sand:6graded stone agg. 40mm nominal size for plain/ reinforced concrete in open foundations and plinth or similar works complete as per drawings and technical specificationsMORD 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.	19.50	Cum		Per Cubic Metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge. (i)1:1.5:3 (one Cement : one point five coarse sand :three graded stone aggregate 20 mm (twenty milimetre) nominal size)	48.75	Cum		Per Cubic Metre	
3	Cement plaster (up to 30 cm height with cement mortar 1:3(1 cement : 3 sand) finished with a floating coat of neat cement including rounding of junctions with floor including carriage of material upto all leads and lifts as per direction of Engineer-in-Charge i) 15 mm thick.	50.00	sqm		Per Square Metre	
4	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i)On concrete work	100.00	sqm		Per Square Metre	
					Total	

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

SCHEDULE OF QUANTITY							
Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,83,271.00	
Name of Work :- A/R & M/O Chamyana to Surala road Km.0/00 to 6/000 (SH: Repair of Pot holes between RD. 0/00 to 6/00).						Earnest Money :- 9,700.00	
						Time:- 30 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm (Twenty milimetre) thick pre-mix carpet and seal coat type B specification Clause 1904.2,503 and 508.1 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2090.00	Sqm			Per Square Metre	

CONDITION: (i) Bitumen will be issued from PWD Store at Shimla free of cost.


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

SCHEDULE OF QUANTITY

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

Estimated Cost:- 4,78,606 .00

Name of Work :- R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925. (SH: Repair of Pot holes between Rd 23/00 to 24/00 Various RDs).

Earnest Money :- 9,600.00


Time:- 15 Days.

Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
Sr.No.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 i/c carriage of material within all leads and lifts as per directions of the Engineer-in-Charge.	1220.00	Sqm		Per Square Metre	
					Total	

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

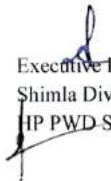
SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 4,70,485 .00	
Name of Work :- R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga					Earnest Money :- 9,400.00	
Sadhupul road Km 12/375 to 48/925. (SH: Repair of Pot holes between Rd 22/375 to 23/00 Various					Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
Sr.No.	Description	Qty.	Rates in		Unit	Amount
			Figs	Words		
1	2	3	4	5	6	7
1	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 i/c carriage of material within all leads and lifts as per directions of the Engineer-in-Charge.	1199.30	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-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,70,760 .00	
Name of Work :- R.R.D Occurred due to digging by Sewer line by SJPNL on Shoghi Mehli Junga Sadhupul road Km 12/375 to 48/925. (SH: Repair of Pot holes between Rd 24/00 to 25/00 Various RDs).						Earnest Money :- 9,500.00	
						Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
Sr.N o.	Description	Qty.		Rates in		Unit	Amount
				Figs	Words		
1	2	3		4	5	6	7
1	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 i/c carriage of material within all leads and lifts as per directions of the Engineer-in-Charge.	1200.00	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-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,83,892.00	
Name of Work :- A/R & M/O to Vigilance headquarter at Kahalini Shimla-2 (SH: Renovation Officer's mess Kitchen,						Earnest Money :- 9,700.00	
Guest House Toilet and Minor repair work etc.). <i>(Dep Work)</i>						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 floor two level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs. 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	77.04	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).	1.08	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.	0.30	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.14	Cum			Per Cubic Metre	
5	Taking out existing wooden door shutter, repair by cutting painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with scrfews etc. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.00	Nos			Each	
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	54.54	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.	3.85	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.	7.95	Sqm			Per Square Metre	

9	Providing and laying Ceramic digital tiles in grey/coloured of required shade in skirting risers of steps and dados on 12mm thick cement mortar 1:3 (1cement:3sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (Nitco/orient Make or Equal)	54.54	Sqm			Per Square Metre	
10	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.	9.90	Sqm			Per Square Metre	
11	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)	19.98	Sqm			Per Square Metre	
12	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	24.00	Rmt			Per Running Metre	
13	Providing and fixing PVC floor trap of self cleaning designwith sand cast iron screwed down or hinged grating without vent arm complete including cost of cutting and making goods the wall and floors:-75mm nominal diameter.	8.00	Nos			Each	
14	Providing and fixing ISI marked high pressure PVC spigot and socket, waste and ventilating pipes including fixing with approved adhesive etc. completea) (i)110mm dia.	30.00	Rmt			Per Running Metre	
	(ii) 75mm dia.	15.00	Rmt			Per Running Metre	
15	Providing and fixingPVC pain bend ISI marked including fixing with approved adhesive etc. completea)110mm dia	8.00	Nos			Each	

	(ii) 75mm dia.	8.00	Nos			Each	
16	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete a) 110mm dia	8.00	Nos			Each	
17	Providing and fixing single lever basin mixer extended body without pop up waste system with 450mm long flexible hose DE-21 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
18	Providing and fixing 15mm (fifteen milimetre) C.P. Brass bib cock with Flange including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. make essess . (Cat No.DE-02)	2.00	Nos			Each	
19	Providing and fixing Chromium Plated soap dish with holder of approved quality and colour with steel screws and rawal plugs including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (CAT No.AC-703)	4.00	Nos			Each	
20	Providing and Fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. Make essess cat No. AC -702	4.00	Nos			Each	
21	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. Make essess cat No. AC -701	2.00	Nos			Each	
22	Providing and fixing CP Grating for floor and nanhi trap complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	8.00	Nos			Each	
23	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 (One/Two piece with it seat cover and all accessories)	2.00	No			Each	
24	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) 300/450mm length:-i) 15mm nominal bore.	4.00	Nos			Each	
25	Dismantling and Re-fixing wash basin with full pedestal constellation set star white all accessories 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 Angle 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 PR-112B.	4.00	Nos			Each	

27	Providing and fixing Acrylic shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
28	Providing and fixing 600mmx450mm (six hundred into four hundred fifty milimetre) bevelled edge mirror of Superior glass (Exolite) mounted on 6mm thick A.C. sheet or Ply wood sheet and fixed to wooden Plugs with C.P. Brass Screws and Washers including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
29	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	2.00	Nos			Each	
30	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.	2.00	Nos			Each	
31	Providing and fixing Viking Glass shelf complete fixed to wooden plugs with C.P. brass including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. make Viking.	1.00	No			Each	
32	Providing and fixing liquid soap dispenser with C.P. brass brackets fixed to wooden plug with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. make Viking.	2.00	Nos			Each	
33	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm so as to give a fair finish including centering, shuttering, strutting and propping etc., with wooden battens and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4 metres and removal of the same for insitu-reinforced concrete & plain concrete work including carriage of materials upto all leads and lifts. (a) Flat surfaces such as soffits of suspended floors, roofs, landing and the like. (i). Floor etc., upto	6.42	Sqm			Per Square Metre	
	(b) Edges of slabs and break in floors and walls. (i) Under 20 cm. wide.	10.70	Rmt			Per Running Metre	
34	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.	70.62	Kgs.			Per Kilogram	
35	Providing and laying cement concrete work 1:2:4 (1 Cement:2 Sand:4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in : (i) Suspended Floor roofs, landing and shelves and their support balconies, beams, girders, bressumers and cantilever upto floor two level.	0.64	Cum			Per Cubic Metre	

36	Providing and laying granite 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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.42	Sqm			Per Square Metre	
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. (i)With white enamel paint	20.00	Sqm.			Per Square Metre	
	(ii) With enamel paint other than white.	20.00	Sqm.			Per Square Metre	
38	Extra over item No. 37 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	
	(ii) With enamel paint other than white.	10.00	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.(i)With Enamel paint white	20.00	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. i)With Enamel paint white	10.00	Sqm.			Per Square Metre	
41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Old work (one or more coats)	50.00	Sqm			Per Square Metre	
42	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	50.00	Sqm			Per Square Metre	
43	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	No			Each	
44	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	30.00	Nos			Each	
45	Providing and fixing 19mm thick water proof commercial board in shelves/box for cupboard 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.	19.26	Sqm			Per Square Metre	

46	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.	7.49	Sqm			Per Square Metre	
47	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.	7.49	Sqm			Per Square Metre	
48	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.	30.00	Nos			Each	
49	Providing and fixing square edged cover fillets (Beading) 19mm x 6mm section lining including mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st Class Deodar wood.	100.00	Rmt			Per Running Metre	
50	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	14.98	Sqm			Per Square Metre	
51	Providing and fixing Modular kitchen accesorries with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 15x20x4" Cutlury	2.00	Nos			Each	
	(ii) 15x20x4" plain	1.00	No			Each	
	(iii) 15x20x6" Plain	1.00	No			Each	
	(iv) 15x20x6" Plate	1.00	No			Each	
	(v) 15x20x8" Plain	1.00	No			Each	

	(v) 15x20x8" Plate	1.00	No			Each	
52	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.	15.00	Pair			Per Pair	
53	Providing and fixing 12" 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	
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) Anglo Indian (Universal Closet)	1.00	No			Each	
55	Providing and fixing PVC designer vanity wash basin with full cover including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. 24"x18".	2.00	Nos			Each	
56	Providing and fixing vitreous China wash down, water closet squatting pan (Indian type W.C. Pan) size 580mm (Earth work, bed concrete, foot rest and trap to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Orissa Pattern	1.00	No			Each	
57	Providing and fixing stainless steel kitchen sink of approved standard ISI make with drain board and C.P. waste with C.I. or M.S. Brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 610x510mm with bowl depth 200mm.	2.00	Nos			Each	
58	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 1:6:4(1cement:4sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	54.54	Sqm.			Per Square Metre	
59	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 (Through rate)	200.00	Kg.			Per Kilogram	
	(Labour rate)	200.00	Kg.			Per Kilogram	

60	Refixing on terrace(at all floor levels) polyethylene water storage tank, IS:12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fittings and the base support for tank including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (Labour rate)	1000.00	Ltr.			Per Ltr.	
61	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm nominal bore. (Through rate)	4.00	Rmt			Per Running Metre	
	(b) 15mm nominal bore. (Labour rate)	4.00	Rmt			Per Running Metre	
62	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 . (Through rate)	2.00	Nos			Each	
	(b) 15mm . (Labour rate)	2.00	Nos			Each	
63	Providing and fixing brass full way valve with wheel including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge a)15mm (Fifteen milimetre) nominal bore (Through rate)	1.00	No			Each	
	b)15mm (Fifteen milimetre) nominal bore (Labour rate)	1.00	No			Each	
64	Providing and fixing wall mixer with telephone shower including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge Make essess Cat No.PR-120.	1.00	No			Each	
						Total	


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

SCHEDULE OF QUANTITY

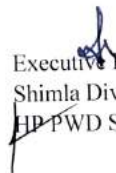
Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.						Estimated Cost:- 4,36,360.00	
Name of Work :- A/R & M/O type-VI set No.18 at Mehli Kasumpti, Shimla-9 (SH: Repair of Toilet, Kitchen Painting,						Earnest Money :- 8,800.00	
Distemping in type-VI set No.18 at Mehli Kasumpti Shimla-9).						Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount
				In figures	In words		
1	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).	3.19	Cum			Per Cubic Metre	
2	Dismantling tile work laid in cement mortar including stacking of serviceable materials and disposal of unserviceable material within all leads including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	47.52	Sqm			Per Square Metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (one cement : two coarse sand) : four 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.	3.19	Cum			Per Cubic Metre	
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per 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.	57.38	Sqm			Per Square Metre	
5	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	23.24	Sqm			Per Square Metre	
6	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.	13.47	Sqm			Per Square Metre	
7	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.	4.23	Sqm			Per Square Metre	

8	Providing and fixing 1.00mm (One point zero milimetre) 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.	40.02	Sqm			Per Square Metre	
9	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 (six milimetre) thick.	4.62	Sqm			Per Square Metre	
10	Providing and fixing square edges cover fillets (beading) 19mmx6mm (Nineteen milimetre into six milimetre) section including mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (a) 1st class Indian teak wood	28.40	Rmt			Per Running Metre	
11	Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm	20.00	Nos			Each	
12	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	20.00	Nos			Each	
13	Providing and fixing stainless steel channel including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	20.00	Nos			Each	
14	Providing and fixing zero degree hinges of approved quality including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	20.00	Nos			Each	
15	(i) Providing and fixing SS grain basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
	(ii) Providing and fixing SS thali/ plate basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	2.00	Nos			Each	
	(iii) Providing and fixing SS cutlary basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	No			Each	
	(iv) Providing and fixing SS single pulout basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	No			Each	
	(v) Providing and fixing SS coerner divided portion basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	No			Each	
	(vi) Providing and fixing SS bottle pullout basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	No			Each	

	(vii) Providing and fixing SS cylinder basket including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.00	No			Each	
16	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.	182.10	Sqm			Per Square Metre	
17	Providing and laying unitex carpeting flooring in standard laid with approved adhesive on sub floor complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	8.96	Sqm			Per Square Metre	
18	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.	182.10	Sqm			Per Square Metre	
19	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) One or more coats on old work	360.44	Sqm			Per Square Metre	
20	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) One or more coats on old work	230.08	Sqm			Per Square Metre	
21	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equal 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.	276.00	Sqm			Per Square Metre	
22	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.	18.00	Rmt			Per Running Metre	
23	Providing and fixing one piece construction with vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I. clamps and C.P. brass coupling complete, including painting of fittings, and cutting and making good the walls and floors etc. wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
24	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) Anglo Indian (Universal Closet)	1.00	No			Each	

25	Providing and fixing health faucet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm	2.00	No			Each	
26	Providing and fixing glass corner including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	6.00	Nos			Each	
27	Providing and fixing chromium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos			Each	
28	Providing and fixing 600mmx120mm (six hundred milimetre into one hundred twenty milimetre) glass shelf with C.P. Brass brackets and guard rail complete fixed to wooden plugs with C.P. Brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos			Each	
29	Providing and fixing toilet paper holder including all leads and lifts as per the direction of Engineer-in-charge. (i) C.P.Brass	3.00	Nos.			Each	
30	Providing and fixing wash basin with pedestal, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets. Cutting and making good the walls wherever require including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos.			Each	
31	Providing and fixing wall mixer with telephonic shower arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
32	Providing and fixing rain shower including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
33	Providing and fixing single lever basin mixing faucet including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	2.00	Nos			Each	
34	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.	10.00	Nos			Each	
35	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)300/ 450mm length i) 15mm nominal bore.	10.00	Nos.			Each	
36	Providing and fixing tooth brush tumbler including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos.			Each	
37	Providing and fixing liquid soap dispenser including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	Nos			Each	
38	Providing and fixing C.P. grating for Floor Trap or Nahani Trap including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) 100mm(one hundred milimetre) dia	6.00	Nos			Each	

39	Providing and fixing 600x450mm beveled edge mirror of superior glass(of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
40	Providing and fixing C.P. Brass Towel ring complete with C.P. Brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	4.00	Nos			Each	
41	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	
42	Providing and fixing Muxer for kitchen sink with casted swinging spout at top including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
43	Providing and fixing concealed diverter including exposed portion including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.00	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:- 1,83,882.00

Name of Work :- A/R & M/O various residential Qtrs. type I to VI at Kasumpti Shimla-9 (SH: Repair of Kitchen to Type-I set No.2 at Kasumpti Shimla).

Earnest Money :- 3,700.00

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 floor two level including stacking of serviceable materials and disposal of un-serviceable materials and disposal of un-serviceable materials with in 20 mtrs.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	6.30	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).	0.63	Cum			Per Cubic Metre	
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- Charge.	0.18	Cum			Per Cubic Metre	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. (i) In cement mortar.	0.06	Cum			Per Cubic Metre	
5	Dismantling cement asbestos celotax/hard board in ceiling or partition wall including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (Frame work such as joists, beams to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	7.20	Sqm			Per Square Metre	
6	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 (fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
7	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50(Fifty) metres lead including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	14.40	Sqm			Per Square Metre	
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	3.10	Cum			Per Cubic Metre	
9	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level. (i) Cement mortar 1 : 4 (One cement : four coarse sand) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.44	Sqm.			Per Square Metre	
10	Tile work in skirting, risers of steps and dado up to 2 m (two metre) height over 12 mm(twelve millimetre) thick bed of cement mortar 1:3 (One cement :three coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm, including pointing in white cement mixed with pigment of matching shade complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) 8 mm(eight millimetre) thick	62.84	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.	17.50	Sqm.			Per Square Metre	
12	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, udipur green marble area of slab over 0.5 Sqm. including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.80	Sqm			Per Square Metre	
13	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i)610 x510 mm with bowl depth 200 mm.	1.00	No			Each	
14	Providing and fixing Sink mixer arrangement including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	1.00	No			Each	
15	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (medium grade) tube fittings and clamps including making good the wall ceiling and floor including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 15mm(fifteen milimetre) nominal bore.	3.00	Rmt			Per Running Metre	
16	Centering and shuttering including strutting, propping etc. and removal of form for including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.(i)Shelves (Cast in situ)	1.80	Sqm			Per Square Metre	
17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge. (i) Mild steel and Medium Tensile steel bars	30.00	Kgs.			Per Kilogram	
18	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (One cement : One point five coarse sand) : three raded stone aggregate 20 mm (twenty milimetre) nominal size) including carriage of materials in all leads and lifts as per directions of the Engineer-in-charge.	1.80	Cum			Per Cubic Metre	
19	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm (forty milimetre into twelve milimetre) section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1st Class Deodar Wood.	15.00	Rmt			Per Running Metre	
20	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 40mm thick i)2nd class deodar wood	1.62	Sqm			Per Square Metre	
21	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a)40mm thick 2nd class deodar wood	1.62	Sqm			Per Square Metre	

22	Applying priming coat over new wood and wood based surfaces after and i/c preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter sand papering and knotting including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Ready mixed paint brushing wood primer pink.	30.00	Sqm			Per Square Metre	
23	Painting two coats (excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering & stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	30.00	Sqm			Per Square Metre	
24	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	10.00	Sqm			Per Square Metre	
25	Providing and fixing ply wood lining with but jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 6mm thick.	3.60	Sqm			Per Square Metre	
26	Providing and fixing 19mm thick commercial board water proof shutters for up boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	3.88	Sqm			Per Square Metre	
27	Providing and fixing magnetic Catchers ISI marked with necessary screws etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	20.00	Nos			Each	
28	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) 1st class Indian teak wood	45.00	Rmt			Per Running Metre	
29	Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	5.76	Sqm			Per Square Metre	
30	Painting one coat (excluding priming coat) on previously painted wood and wood based surfaces with enamel paint to give an even shade including cleaning of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) With white enamel paint.	30.00	Sqm			Per Square Metre	
	(b) With enamel paint other than white.	15.00	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.	50.00	Sqm.			Per Square Metre	
	(b) With enamel paint other than white.	7.00	Sqm.			Per Square Metre	
						Total	

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