



Office of Executive Engineer, Banjar Division,
Himachal Pradesh Public Works Department Banjar 175123
Phone No.01903-221031 Fax: 01903-221031
No:-PW/Banjar/CB/Tender/2023- 26018-67

Dated:-

21/02/2024

To

The Executive Engineer (I.T. Cell),
o/o Engineer-in-Chief,
HPPWD. Nigam Bihar Shimla -171002.

Subject :-

Publishing of Notice Inviting Tenders Advertisement.

Enclosed please find herewith Copies of Notice Inviting Tender for the up-loading on department website on or upto 27.02.2024 as per notification issued by Secretary (PW) to the Govt. of HP Shimla vide letter No.PBW(S) A(3)1/2020 dated-16.07.2021, as the works mentioned in the Notice is urgent nature of work in the public interest.

Encl:- Notice

Executive Engineer,
Banjar Division,
H.P.P.W.D. Banjar.

Copy forwarded to followings for information and necessary action.

The Engineer- in- Chief, HPPWD Shimla-171002.
The Chief Engineer (M Z) HPPWD Mandi.
The Superintending Engineer 6th circle HPPWD Kullu.
All the Contractors enlisted in HPPWD.
The Superintendent, DAO ,HDM of this Office.
Notice Board

Executive Engineer,
Banjar Division,
H.P.P.W.D. Banjar

Himachal Pradesh
Public works Department
Notice Inviting Tender

Sealed item rate tender on from No. 6 & 8 are hereby invited by the Executive Engineer Banjar Division, HP,PWD, Banjar on behalf of Governor of H.P. from the eligible contractors enlisted in HP,PWD for the following works, so as to reach in this office on or before 29.02.2024 up to 11.00 AM and the tender will be opened on the same day at 11.30AM in the presence of intending contractors or their authorized representatives. The tender forms can be had from this office against cash payment (non-refundable) up to 28.02.2024 at 4.00 PM. The application for issue of tender forms shall be received upto 2.00 PM on 28.02.2024.

The Earnest money in the shape of National Certificate/Time deposit/Saving Account in any of the post office/Saving Bank Account of Nationalized Bank in H.P. duly pledged in favour of Executive Engineer Banjar Division HP, PWD, Banjar must be accompany each tender. Conditional tender and the tender received without earnest money will summarily be rejected. The offer of tender shall remain open for 75 days from the date of opening. The undersigned reserves the right to reject any or all the tenders without assigning any reasons.

All the contractors will have to bring with them attested copy of enlistment/ renewal/ exemption in earnest money. Contractor will be issued the tender forms only when they fulfill the terms and condition of form No. 6 & 8. Contractors should be registered under HP, Sales Tax Act. 1968/GST.

Job No.	Name of Work	Estimated cost	Earnest Money	Time	Cost of form
1	C/O Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu. (SH:- C/ O Building portion).	400663	8000	One Month	350/-
2	C/O Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu. (SH:- C/ O Building portion).	400569	8000	One Month	350/-
3	C/O Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu. (SH:- C/ O Building portion).	350978	7000	One Month	350/-
4	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- C/O wire crated R/wall at RD. 1/417.50 to 1/435)	380806	7800	Three Months	350/-
5	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- C/O wire crated R /wall at RD.1/400 to 1/417.50)	380806	7800	Three Months	350/-
6	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- C/O wire crated R /wall at RD. 2/580 to 2/600)	436560	8800	Three Months	350/-
7	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging) Job No. 1	465130	9400	Three Months	350/-
8	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging) Job No. 2	465130	9400	Three Months	350/-
9	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging) Job No. 3	465130	9400	Three Months	350/-
10	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging) Job No. 4	465130	9400	Three Months	350/-
11	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging) Job No. 1	393791	7900	Three Months	350/-

12	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging) Job No. 2	393791	7900	Three Months	350/-
13	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging) Job No. 3	393791	7900	Three Months	350/-
14	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging) Job No. 4	393791	7900	Three Months	350/-
15	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging) Job No. 5	393791	7900	Three Months	350/-
16	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- C/O PCC 1:3:6 Edging with W-metal beam Crash Barrier at RD. 2/625 to 2/675) Job No. 1	459898	9200	Three Months	350/-
17	RRD on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700. (SH:- C/O PCC 1:3:6 Edging with W-metal beam Crash Barrier at RD. 2/625 to 2/675) Job No. 2	459898	9200	Three Months	350/-
18	RRD Gushaini to Pekhari road Km. 0/00 to 9/200. (SH:- C/o wire crated R/wall at RD. 1/910 to 1/920 & 4/400 to 4/420).	188863	3800	Three Months	350/-
19	RRD on Deori to Shanad road Km. 0/00 to 11/00. (SH:- C/O Breast wall at RD. 3/380 to 3/396).	439852	8800	Three Months	350/-
20	RRD on various roads under Bajaura Sub-division HPPWD Bajaura. (SH:- Hiring of Tipper for carriage of Muck/debries at various reaches). (Job no. 1)	123120	2500	One Month	350/-
21	RRD on various roads under Bajaura Sub-division HPPWD Bajaura. (SH:- Hiring of Tipper for carriage of Muck/debries at various reaches). (Job no. 2)	123120	2500	One Month	350/-
22	RRD on various roads under Bajaura Sub-division HPPWD Bajaura. (SH:- Hiring of Tipper for carriage of Muck/debries at various reaches). (Job no. 3)	123120	2500	One Month	350/-
23	RRD on Bhuin Diyar road Km. 0/00 to 12/500. (SH:- Removal of slips at various reaches). (Job No. 2)	499090	10000	15 days	350/-
24	RRD on Bhuin Diyar road Km. 0/00 to 12/500. (SH:- Removal of slips at various reaches). (Job No. 1)	497786	10000	15 days	350/-
25	RRD bn Langni to Chhawara road Km. 0/00 to 5/520. (SH:- Removal of slips at various reaches)	498257	10000	15 days	350/-
26	C/o Jawali to Manhoun road Km. 0/00 to 4/500. (SH:- C/O PCC Breast wall at RD. 0/931 to 0/951)	473302	10000	Three Months	350/-
27	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Providing and laying vitrified tile in flooring and skirting etc.)	494574	10000	One Month	350/-
28	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Wall painting WI installation.)	222779	5000	One Month	350/-
29	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Providing Fitting work of door and window, cover frame of main hole and outer wall painting.)	499924	10000	One Month	350/-
30	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Providing and laying vitrified tile in flooring and skirting etc.)	499068	10000	One Months	350/-

31	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Providing and fixing door, window, cup board shutter and MS sheet sliding shutter etc).	494008	10000	One Months	350/-
32	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Providing Soffits, facia, Distempering white washing work and C.C. in moulding of windows sill).	479591	9500	One Months	350/-
33	Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu. (SH:- Wall painting WI installation.)	432109	9000	One Months	350/-

TERMS AND CONDITIONS :-

The contractors /Bidders must quote their PAN/Income Tax Number/GST No. on the tender along with the copy of the same be attached with the application. The contractor/Firms should attach copy of registration/Renewal with the application, Contractor/Bidder are advised to visit and examine the site where the work are to be carrying out and its surrounding. The contractors/Bidders should quote his rates Both in figure and words. Where there is any discrepancy between the rates in figure and in words. The rates in words will be governed. Contractors/Bidders must inspect the site to ascertain/familiar the site condition accessibility etc. before quoting the bid/tender. Conditional and telegraphic tenders shall not be accepted and rejected straightway. Tenders received after due date and time will be rejected. Executive Engineer reserves the right to reject or all tenders without assigning any reason.

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

Executive Engineer
Banjar Division,
HP,PWD, Banjar.

SCHEDULE OF QUANTITY

Name of Work *Construction of Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu (SH: Estimated Cost:- Rs 400663/- only. Earnest Money :-Rs.8000/- only. Time :- One Month.*

Sr. No	Description of items	Quantity	Rate in all taxes including G.S.T.		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Brick work common burnt clay F.P.S.(Non modular) bricks of class designation 7.5 (seven point five) in superstructure above plinth to any level in all shapes and size in cement mortar 1:4(one cement : four sand) including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	25.34			Per cubic metre	
2	Providing 40x5mm (Forty x five millimetre) flat iron hold fast 40cm (forty centimetre) long including fixing to frame with 10mm (ten millimetre) dia bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm (thirty xtenxfifteen centimetre) 1:3:6 mix(one cement :three coarse sand :six graded stone aggregate 20mm (twenty) nominal size including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	72.00			Each	
3	Providing and fixing angle iron, windows, clerestory windows manufactured from steel iron hollow section 75x45 x5mm (seventy five x forty five xfive millimetre) for frame and M.S. flat 75x4 mm (Seventy five x four millimetre) at suitable internal combination welded together to make the frame including hinges, jamb bead with provision of locking arrangement and shock absorber as specified and applying a priming coat of approved steel primer kafter pretreatment of the surface including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	157.20			Per Running metre	

4	Providing and fixing steel glazed framed shutter for Z-section with 5.5 mm (five point five milimetre) thick glass panes with putty for dodors, windows, shape sand section with fitting and necessary screws etc. ,complete including iron hinges kwith necessary screws and applying a coat of primer with red lead paiant complete as per approved specification/design including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	16.96	Square metre			Per Square metre	


 Executive Engineer
 Banjar Division
 HP.PWD. Banjar

①

Name of Work :- *Construction* of Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu (SH: Estimated Cost:- Rs 400569/- only.
C/O Building portion .) Earnest Money :-Rs.8000/- only.
Time :- One Month.

SCHEDULE OF QUANTITY

Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Providing and fixing steel wire gauge shutter in Z-section using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56 zero pint five six) millimetre for doors, windows and clerestory windows with metal beading of approved quality and shape section with necessary screws and applying a coat of primer with red lead paint complete as per approved design including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	16.96 Square metre			Per Square metre	
2	Providing and fixing panelling or lpanelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Flat glass panes 5.5 (five point five millimetre) thick glass panes including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	19.22 Square metre			Per Square metre	
3	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars eetc. Including priming coat with approved steel primer all complete kfixed kto lopenings /wooden frames with rawl plugs screws etc. including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	732.48 Kilograms			Per Square metre	
4	Providing and fixing ISI marked koxidised M.S. tower bolt black finish, (barrel type) with necessary screws etc. complete (a) 100x10mm (one hundred x ten millimetre) including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	192.00 Numbers			Each	
5	Providing and fixing ISI marked oxidised MS handles, conforming to IS:4992 with necessary screws (a) 125mm (one hundred twenty five millimetre) including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	96.00 Numbers			Each	
6	Providing and fixing bright finished brass hard drawn hooks and eyes 200mm (two hundred millimetre) including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	48.00 Numbers			Each	

2

7	Kota stone slab flooring kover 20mm (twenty milimetre)average thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1:4 (one cement : four sand) 25mm thick twenty five milimetre including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	161.43	Square metre			Per Square metre	
						Total	

Executive Engineer
Banjar Division
HP.PWD. Banjar

SCHEDULE OF QUANTITY

Name of Work :-Construction of Science Lab in Govt. Sr. Sec. School Building at Banjar Distt. Kullu (SH: Estimated Cost:- Rs 350978.00/- only
Earnest Money :-Rs.7000/- only.
Time :- One Month.

Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Kota stone slab 20mm Twenty millimetre) thick in risers of steps, skirting, dado and pillars laid on 12 mm (twelve millimetre) average thick cement mortar 1:3 (one cement : three coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	8.58 Square metre			Per Square metre	
2	Providing and fixing 20mm (twenty millimetre) cement plaster mix 1:4 (one cement : four sand) including rubbing and polishing complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	409.93 Square metre			Per Square metre	
3	Providing and fixing 6 mm (six millimetre) cement plaster mix 1:3 (one cement : three sand) including rubbing and polishing complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	138.29 Square metre			Per Square metre	
4	Finishing with Deluxe surface paint system for interiors and exteriors using primer as per manufacturers specifications, painting wood work with Deluxe multi surface paint of required shade two or more coat applied @ 0.90 ltr/10 square metre over all an under coat of primer applied @ 0.75 ltr/10 square metre of approved brand and manufacture including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	17.01 Square metre			Per Square metre	
5	Finishing with Deluxe surface paint system for interiors and exteriors using primer as per manufacturers specifications, painting wood work with Deluxe multi surface paint of required shade two or more coat applied @ 0.90 ltr/10 square metre over all an under coat of primer applied @ 0.75 ltr/10 square metre of approved brand and manufacture including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	194.70 Square metre			Per Square metre	

3

6	Providing and applying white cement putty of average thickness 1 mm (one milimetre), of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	548.22	Square metre				Per Square metre	
7	Distempering with oil bound washable distemper of approved kbrand and manufacture to give an even shade new work k(two or more coats) over and including water thinable priming coat with cement primer including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	138.29	Square metre				Per Square metre	
8	Finishing walls with 100% premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 154589 :2004,Alkali and fungal resistance, dirt resistance exterior paint of required shade (company Depot Tinted) with silicon additives new work applied @ 1.43 litre/10 sqm. over and including priming coat kof exterior primer applied @ 0.90 litre/10 square metre including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	187.09	Square metre				Per Square metre	
9	Wall painting with premium acrylic paint interior grade, having VOC(volatile Oraganic Compound) content less than 50 grams/litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	222.84	Square metre					
10	Making plinth protection 50mm (fifty milimetre) cement concrete 1:3:6 (one cement : three sand : six graded stone aggregate twenty mm nominal size) over 75m.m (Seventy five milimetre) thick bed of dry brick ballast 40mm nominal size, well rammed and consolidated and kgrouted kwith fine sand, including necessary excavation, levelling and dressing and finishing the top smooth including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.41	Square metre				Per Square metre	

8

11	Constructing Course rubble hammer dressed 'U' shape open surface drain with side wall. 15x22 cm (fifteen into twenty two centimetre) in cement mortar 1:6 (one Cement : six Sand) and inside plastering with cement plaster 1:3 (one Cement:three Sand) including earth work and laying 10 cm (ten centimetre) cement concrete in 1:5:10 (one Cement : five Sand : ten graded stone aggregate) of 40 mm (forty millimetre) nominal size and 7.5 cm (seventy point five centimetre) cement concrete 1:2:4 (one Cement : two Sand : four Graded stone aggregate of 20 mm (twenty millimetre nominal size) and finished with a floating coat of neat cement complete as per standard design, including hauling/ carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.	22.55	Running metre			Per Running metre	
						Total	


 Executive Engineer
 Banjar Division
 HP.PWD. Banjar

3

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Construction of wire crated R/wall at RD. 1/417.50 to 1/435).

Estimated Cost:- Rs. 380806/- only.
Earnest Money :-Rs. 7800/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	60.64	Cubic Metre.	5	6	7	8.00
2	Providing and laying of boulder upron laid in wire crates with 4mm (four millimetre) dia G.I wire conforming to IS 280 and IS 4826 in 100mmx100mm (one hundred millimetre x one hundred millimetre) mesh woven diagonally including ten percent extra for laps and joints laid with stone boulder weighting not less than 25 kg (twenty five kilogramme) each as per drawing and technical specification clause 1301 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	136.72	Cubic Metre.			Per cubic metre.	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Construction of wire crated R/wall at RD. 1/400 to 1/417.50).

Estimated Cost:- Rs. 380806/- only.
Earnest Money :-Rs. 7800/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2	60.64	Cubic Metre.	5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.						
2	Providing and laying of boulder upron laid in wire crates with 4mm (four millimetre) dia G-I wire conforming to IS 280 and IS 4826 in 100mmx100mm (one hundred millimetre x one hundred millimetre) mesh woven diagonally including ten percent extra for laps and joints laid with stone boulder weighting not less than 25 kg (twenty five kilogramme) each as per drawing and technical specification clause 1301 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	136.72	Cubic Metre.			Per cubic metre.	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

5

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Construction of wire crated R/wall at RD. 2/580 to 2/600).

Estimated Cost:- Rs. 436560/- only.
Earnest Money :-Rs. 8800/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2 Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost , including dressing of slopes and beds setting out conforming to required lines, grades , side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	72.10	Cubic Metre.	5	6	7 Per cubic metre.	8.00
2	Providing and laying of boulder upon laid in wire crates with 4mm (four millimetre) dia G-I wire conforming to IS 280 and IS 4826 in 100mmx100mm (one hundred millimetre x one hundred millimetre) mesh woven diagonally including ten percent extra for laps and joints laid with stone boulder weighting not less than 25 kg (twenty five kilogramme) each as per drawing and technical specification clause 1301 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	156.25	Cubic Metre.			Per cubic metre.	
						Total:-	


Executive Engineer
Banjar Division
HPPWD Banjar

6

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Lari road Km. 0/00 to 2/700.
(SH :-Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging). (Job No.1)

Estimated Cost:- Rs. 465130/- only.
Earnest Money :-Rs. 9400/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2			5	6	7	
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	26.16	Cubic Metre.			Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	45.51	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	19.50	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment/wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20(H) towards draining face complete as per drawing and technical specifications clause 614.709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	32.50	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm spaced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	32.25	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

7

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging). (Job No.2)

Estimated Cost:- Rs. 465130/- only.
Earnest Money :-Rs. 9400/- only.

Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2 Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and hauling out and the excavation shall be kept dry whenever so required by the contractor at his own cost. Including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	26.16	Cubic Metre.	5	6	7 Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803, 1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carryage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	45.51	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carryage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	19.50	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment, wing wall, return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20 (H) towards draining face complete as per drawing and technical specifications clause 614, 709, 1206.6 including hauling/ carryage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	32.50	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm spaced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	32.25	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging). (Job No.3).

Estimated Cost:- Rs. 465130/- only.

Earnest Money :-Rs. 9400/- only.

Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2			5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock-hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	26.16	Cubic Metre.			Per cubic metre.	
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carryage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	45.51	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carryage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	19.50	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment,wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20(H) towards draining face complete as per drawing and technical specifications clause 614.709,1206.6 including hauling/ carryage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	32.50	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm speed 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	32.25	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

9

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 1/930 to 2/00 & 2/220 to 2/280 with PCC Edging). (Job No.4)

Estimated Cost:- Rs. 465130/- only.

Earnest Money :-Rs. 9400/- only.

Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidents to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	26.16	Cubic Metre.	5	6	7 Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802,803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	45.51	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	19.50	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment, wing wall, return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20 (H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	32.50	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm speed 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	32.25	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

10

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging).(Job No.1).

Estimated Cost:- Rs. 393791/- only.
Earnest Money :-Rs. 7900/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2	18.31	Cubic Metre.	5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other Incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg- and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.					Per cubic metre.	
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	29.78	Cubic Metre.				
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment, wing wall, return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20 (H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	20.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm spaced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	43.20	Running metre			Per Running metre	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

71

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging). (Job No.2).

Estimated Cost:- Rs. 393791/- only.

Earnest Money :-Rs. 7900/- only.

Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2 Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost , including dressing of slopes and beds setting out conforming to required lines, grades , side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other Incidentals to complete the work as per technical specifications clause 305.1. All useful materials,such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	18.31	Cubic Metre.	5	6	7 Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802,803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	29.78	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment,wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1(v):20(H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	20.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm speced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	43.20	Running metre			Per Running metre	
						Total:-	



 Executive Engineer
 Banjar Division
 HPPWD Banjar

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging). (Job No.3).

Estimated Cost:- Rs. 393791/- only.
Earnest Money :- Rs. 7900/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2	18.31	Cubic Metre.	5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials,such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.					Per cubic metre.	
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carryage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	29.78	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carryage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment:wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20(v):20(H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carryage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	20.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm speced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clouse 810.	43.20	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Lari road Km. 0/00 to 2/700.
(SH :-Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging).(Job No.4).

Estimated Cost:- Rs. 393791/- only.
Earnest Money :-Rs. 7900/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2	18.31	Cubic Metre.	5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost , including dressing of slopes and beds setting out conforming to required lines, grades , side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other Incidentals to complete the work as per technical specifications clause 305.1. All useful materials,such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.					Per cubic metre.	
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802,803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	29.78	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment,wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1% (v:20(H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	20.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S. M.C series channels vertical rowpost 150x75x5mm speced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clouse 810.	43.20	Running metre			Per Running metre	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

14

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :- Providing and erecting metal beam crash barrier at RD. 2/409 to 2/625 with 50% PCC Edging), (Job No.5).

Estimated Cost:- Rs. 393791/- only.
Earnest Money :-Rs. 7900/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2			5	6	7	8.00
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	18.31	Cubic Metre.			Per cubic metre.	
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	29.78	Cubic Metre.				
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	12.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment,wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20(H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-In-charge.	20.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on 1.5 M.C series channels vertical rowpost 150x75x5mm spaced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	43.20	Running metre			Per Running metre	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

15

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Construction of PCC 1:3:6 edging with W-metal beam Crash Barrier at RD. 2/625 to 2/675). (Job No. 1).

Estimated Cost:- Rs. 459898/- only.
Earnest Money :-Rs. 9200/- only.
Time :- Three Month.

Sr. No	Description of Items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures 5	Words 6		
1	2						
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	24.13	Cubic Metre.			Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802.803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) including the cost of form work and curing complete and hauling/carryage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	50.40	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carryage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	15.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment, wing wall, return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20 (V:H) towards draining face complete as per drawing and technical specifications clause 614.709,1206.6 including hauling/ carryage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	50.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm spaced 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fittings to be galvanized hot dip process all fitting to confirm to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	24.00	Running metre			Per Running metre	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

16

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain Damages on Aut Banjar abandoned road from Aut to Larji road Km. 0/00 to 2/700.
(SH :-Construction of PCC 1:3:6 edging with W-metal beam Crash Barrier at RD. 2/625 to 2/675). (Job No. 2).

Estimated Cost:- Rs. 459898/- only.
Earnest Money :-Rs. 9200/- only.
Time :- Three Month.

Sr. No	Description of Items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2			5	6	7	
1	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rockhard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other Incidentals to complete the work as per technical specifications clause 305.1. All useful materials, such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	24.13	Cubic Metre.			Per cubic metre.	8.00
2	Providing concrete for plain reinforced concrete in open foundation complete as per drawing and technical specification clause 802,803,1202 and 1203 1:3:6 (one cement : three sand : six graded stone aggregate graded stone aggregate 20mm (twenty millimetre nominal size) Including the cost of form work and curing complete and hauling/carriage of all labour, equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	50.40	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	15.00	Cubic Metre.			Per Cubic Metre.	
4	Providing weep holes in brick masonry /stone masonry/ plain reinforced concrete abutment,wing wall,return wall with 100 mm (one hundred millimetre) dia PVC pipe extending through the full width of the structure with slope of 1:20(H) towards draining face complete as per drawing and technical specifications clause 614,709,1206.6 including hauling/ carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	50.00	Each			Each	
5	Providing and Erecting a "W" metal beam crash barior comprising of 3 mm thic corrugated sheet metal beam rail 70 cm above road ground level fixed on I.S M.C series channels vertical rowpost 150x75x5mm speed 1.50 metre center to center 1.50 metre height 1.10 metre below ground level all steel parts and fitments to be galvanized hot dip process all fitting to conform to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channels section 150x75x5mm 330 cm long complete as per clause 810.	24.00	Running metre			Per Running metre	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

17

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain damages on Gushani to Pekhari road Km. 0/00 to 9/200.
(SH :- Construction of wire crated Retaining wall at RD. 1/910 to 1/920 & 4/400 to 4/420).

Estimated Cost:- Rs. 188863/- only.

Earnest Money :-Rs.3800/- only.

Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures	Words		
1	2 Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock,hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost, including dressing of slopes and beds setting out conforming to required lines, grades, side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	26.00	Cubic Metre.	5	6	7 Per cubic metre.	8.00
2	Providing and laying of boulder upon laid in wire crates with 4mm (four millimetre) dia G-I wire conforming to IS 280 and IS 4826 in 100mmx100mm (one hundred millimetre x one hundred millimetre) mesh woven diagonally including ten percent extra for laps and joints laid with stone boulder weighting not less than 25 kg (twenty five kilogramme) each as per drawing and technical specification clause 1301 including haulage/carrriage of all labour equipments, and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	61.20	Cubic Metre.			Per cubic metre.	
3	Back filling with granular materials behind abutment, wing walls and return walls complete as per drawing and technical specification clause 1206.3 and 1604.7 including haulage/carrriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	11.40	Cubic Metre.			Per Cubic Metre.	
						Total:-	

Executive Engineer,
Banjar Division
HPPWD, Banjar

18

SCHEDULE OF QUANTITY

Name of Work:-Restoration of rain damages on Deori to Shanad road Km. 0/00 to 11/00.
(SH :-Construction of Breast wall at RD. 3/380 to 3/396).

Estimated Cost:- Rs. 439852/- only.
Earnest Money :-Rs.8800/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity		Rate with all taxes excluding GST		Unit	Amount
		3	4	Figures 5	Words 6		
1	Excavation soil in hilly area by mechanical means including cutting and trimming af side slopes and disposal of excavated earth with lift up to 1.5 m and a lead up to 20 m any as per drawing and technical specification clause 1603.1 all kind of soil with in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.	85.36	Cubic Metre.			7 Per cubic metre.	8.00
2	Excavation in earth work for structure in all heights and depths in all kinds of soil including ordinary rock/hard rock (Requiring blasting), hard rock(blasting prohibited), marshy soil and their intermediate classification. If water is met due to stream flow, seepage, rain and other causes it shall be removed by suitable diversion, pumping and bailing out and the excavation shall be kept dry whenever so required by the contractor at his own cost , including dressing of slopes and beds setting out conforming to required lines, grades , side slopes as shown in the drawing and as per direction of Engineer-in-charge and transportation of soil to road way after back filling and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites including its stacking, leveling and dressing in all leads and lifts through all modes of transportation including head load animal load or mechanical means or other incidentals to complete the work as per technical specifications clause 305.1. All useful materials,such as stone shingles, agg. and slates shall be sorted out and stacked along road sides to the maximum possible extent in all leads and lifts. Any loss to the public and private property during the course of execution of disposal of serviceable and un-serviceable materials shall be absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	22.24	Cubic Metre.			Per cubic metre.	
3	Random rubble stone masonry in cement mortar 1:6 (one cement: six sand) for sub structure as per drawing and technical specification of Ministry of Rural Development for Rural road clause 702,704,1202 and 1204 including carriage of all labour equipment and materials to various location through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	45.00	Cubic Metre.			Per cubic metre.	
4	Construction of dry rubble stone masonry for Retaining walls, breast walls, revetment walls and parapets etc for sub-structure and super structure complete as per drawing and technical specification of Ministry of Rural Development for Rural road clause 704.6 and 1302.5 including hauling/ carriage of all labour equipment and materials to various location through all modes of transportation. with in all leads and lift of materials and as per direction of Engineer-in-charge.	56.54	Cubic Metre.			Per cubic metre.	
						Total:-	

Executive Engineer,
Banjar Division,
HPPWD; Banjar

19

SCHEDULE OF QUANTITY

Name of work:- Restoration of rain damages on Various roads under Bajaura Sub-Division HPPWD Bajaura.
(SH :-Hiring of Tipper for carriage of Muck/debries at various reaches). (Job No.1).

Estimated Cost:- Rs. 123120/- only.
Earnest Money :-Rs. 2500/-only.

Time :- one month

Sr. No	Description of items	Quantity		Rate in		Unit	Amount
				Figures	Words		
1	Hiring of tipper in good condition of minimum 5.50 cubic metre carriage capacity on daily basis from 9.00 AM to 5.00 PM with hydraulic facility , jack facility for carriage of slips and disposal of same at suitable dumping places including P.O.L. charges and wages of driver and other operational staff as per the direction and entire satisfaction of Engineer-in-charge.	30.00	Day			Per Day	
						Total:-	


Executive Engineer
Banjar Division
HPPWD Banjar

20

SCHEDULE OF QUANTITY

Name of work:- Restoration of rain damages on Various roads under Bajaura Sub-Division HPPWD Bajaura.
(SH :-Hiring of Tipper for carriage of Muck/debries at various reaches). (Job No.2).

Estimated Cost:- Rs. 123120/- only.
Earnest Money :-Rs. 2500/-only.

Time :- one month

Sr. No	Description of items	Quantity		Rate in		Unit	Amount
				Figures	Words		
1	Hiring of tipper in good condition of minimum 5.50 cubic metre carriage capacity on daily basis from 9.00 AM to 5.00 PM with hydraulic facility , jack facility for carriage of slips and disposal of same at suitable dumping places including P.O.L. charges and wages of driver and other operational staff as per the direction and entire satisfaction of Engineer-in-charge.	30.00	Day			Per Day	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

(21)

SCHEDULE OF QUANTITY

Name of work:- Restoration of rain damages on Various roads under Bajaura Sub-Division HPPWD Bajaura.

(SH :- Hiring of Tipper for carriage of Muck/debries at various reaches). (Job No.3).

Estimated Cost:- Rs. 123120/- only.

Earnest Money :-Rs. 2500/-only.

Time :- one month

Sr. No	Description of items	Quantity		Rate in		Unit	Amount
				Figures	Words		
1	Hiring of tipper in good condition of minimum 5.50 cubic metre carriage capacity on daily basis from 9.00 AM to 5.00 PM with hydraulic facility , jack facility for carriage of slips and disposal of same at suitable dumping places including P.O.L. charges and wages of driver and other operational staff as per the direction and entire satisfaction of Engineer-in-charge.	30.00	Day			Per Day	
						Total:-	

Executive Engineer
Banjar Division
HPPWD Banjar

22

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain damages on Bhuin Diyar road Km.0/00 to 12/500.

(SH :- Removal of slips at various reaches). (Job No.2).

Estimated Cost:- Rs. 499090/- only.

Earnest Money :-Rs. 10000/- only.

Time :- 15 Days.

Sr. No	Description of items	Quantity		Rate with all taxes including GST		Unit	Amount
		3	4	Figures	Words		
1	2	3232.45	Cubic Metre.	5	6	7	8.00
1	Removal of land slide in hilly are in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slope and disposal of cut material with in lift upto 1.5 m and lead upto 1000m as per technical specification clause 302.3.5 and 1611.with in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.					Per cubic metre.	
						Total:-	


 Executive Engineer
 Banjar Division
 HPPWD Banjar

23

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain damages on Bhuin Diyar road Km.0/00 to 12/500.

(SH :- Removal of slips at various reaches) (Job No. 42)

Estimated Cost:- Rs. 497786/- only.
Earnest Money :-Rs. 10000/- only.
Time :- 15 Days.

Sr. No	Description of items	Quantity		Rate with all taxes including GST		Unit	Amount
		3	4	Figures 5	Words 6		
1	Removal of land slide in hilly are in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slope and disposal of cut material with in lift upto 1.5 m and lead upto 1000m as per technical specification clause 302.3.5 and 1611.with in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.	3224.00	Cubic Metre.			Per cubic metre.	8.00
Total:-							


 Executive Engineer
 Banjar Division
 HPPWD Banjar

(24)

SCHEDULE OF QUANTITY

Name of Work:- Restoration of rain damages on Lagani to Chhawara road Km. 0/00 to 5/520.
(SH :- Removal of slips at various reaches)

Estimated Cost:- Rs. 498257/- only.
Earnest Money :-Rs. 10000/- only.
Time :- 15 Days.

Sr. No	Description of items	Quantity		Rate with all taxes including GST		Unit	Amount
		Figures	Words	Figures	Words		
1	2	3	4	5	6	7	8.00
1	Removal of land slide in hilly are in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slope and disposal of cut material with in lift upto 1.5 m and lead upto 1000m as per technical specification clause 302.3.5 and 1611.with in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.	3227.05	Cubic Metre.			Per cubic metre.	
						Total:-	


Executive Engineer
Banjar Division
HPPWD Banjar

(25)

SCHEDULE OF QUANTITY

Name of Work:- Construction of jawali to Manhoun road km. 0/00 to 4/500.
(SH :- Construction of PCC Breast wall at RD. 0/931 to 0/952).

Estimated Cost:- Rs. 473302/- only.
Earnest Money :-Rs. 10000/- only.
Time :- Three Month.

Sr. No	Description of items	Quantity	Rate in		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Excavation soil in hilly area by manual means including cutting and trimming at side slopes and disposal of excavated earth with lift up to 1.5 metre and lead up to 20 metre as per drawing and technical specification clause 1603.1 all kind of soil with in all leads and lifts to the entire satisfaction as per direction of Engineer-in-Charge.	79.69			Per cubic metre.	
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift complete including dressing of sides and bottom and backfilling in trenches with excavated suitable material. with in all leads and lifts complete as per entire satisfaction of Engineer-in-charge.	17.01			Per cubic metre.	
3	Providing and laying concrete for plain 1:4:8 (one cement: four sand: eight aggregate 25 mm nominal size) in open foundations complete as per drawing and technical specification clauses 802,803,1202 and 1203 with in all leads and lift of materials and as per direction of Engineer-in-charge.	86.10			Per cubic metre.	
4	Providing and Weep holes in brick masonary / stone masonary / plain reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extending through the full with of the structures with slop of (V) :20 (H) towards drawing face complete as per drawing and technical specification clauses 614,709,120: 3.7.	28.00			Per Rmt.	

Executive Engineer,
Bantar Division
HPPWD; Banjar

26

SCHEDULE OF QUANTITY

Name of Work :-Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH: Providing and laying vitrified tile in flooring and skirting etc.)								Estimated Cost:- Rs 494574/- only. Earnest Money :-Rs10000/- only. Time :- One Month.	
Sr. No	Description of items	Quantity		Rate in all taxes including G.S.T.		Unit	Amount		
				Figures	Words				
1	2	3	4	5	6	7			
1	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	50.39	Square metre		Per Square metre				
2	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS:15622 (thickness to be specified by the manufacturer)of approved make in all colour shade except burgundy bottle green black of any size as approved by Engineer In Charge in skirting riser of steps and dado over 12 mm thick bed of cement mortar 1:3(1cement:3coarse sand) and jointing with grey cement slurry @3.30kg/sqm including pointing in white cement with pigment of matching the shade complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	160.90	Square metre		Per Square metre				
3	Providing and laying polished granite stone flooring in required design and patterns in linear as well as curvilinear portions of the building all complete as per the architectural drawing with 18 mm thick stone slab over 20 mm (1:4(1cement:4coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of the matching shade including rubbing curing and polishing etc. all complete as per specified and as directed by the Engineer In Charge-Polished Granite stone slab Jet Black Cherry Red Elite Brown Cat Eye or equivalent including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	21.78	Square metre		Per Square metre				

4	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than .08% and conforming to IS 15622 of approved make in all colours and shades laid on 20 mm thick cement mortar 1:4:99 (cement:coarse sand) jointing with grey cement slurry @ 3.30 Kg /sqm including grouting the joints with cement and matching pigment etc. complete. Size-800x800 mm including hauling/carriage of all labour equipments and materials to various locations through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	21.17	Square metre			Per Square metre	
5	Providing corrugated GS sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks bolt and nuts 8 mm dia with bitumen and GI limpet washers or With GI limpet washers filled with lead including a coat of approved paint on overlapping of sheets complete (upto any pitch in horizontal /vertical or curved surfaces)excluding the cost of purlins rafters and trusses and including cutting to size and shape wherever required 1.00m thick with zink coated not less than 275gm/sqm including hauling/carriage of all labour equipments and materials to various locations through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	16.56	Square metre			Per Square metre	
6	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete : 1.60mm Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	36.6	Running metre			Per Running metre	
7	Steel work in single section fixed with or without connecting plates including cutting hoisting fixing in position and applying a priming coat of approved steel primer all complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportation in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	1756.20	kilograms			Per Square metre	

Executive Engineer
Banjar Division
HP.PWD. Banjar

27

SCHEDULE OF QUANTITY

Name of Work :- Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH: wall painting WI Installation).

Estimated Cost:- Rs 222779/- only.
Earnest Money :-Rs.5000/- only.

Time :- One Month.

Sr. No	Description of items	Quantity		Rate in all taxes		Unit	Amount
		Figures	Words	Figures	Words		
1	2	3	4	5	6	7	
1	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I or M.S brackets painted white including cutting holes and making good the same but excluding fittings. (a) Flat back (ii) 550mm x400mm (five hundred fifty millimetre x four hundred millimetre),through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number		Each		
2	Circular (i) 460 mm dia (four hundred sixty millimetre) (countertop) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number		Each		
3	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number		Each		
4	Providing and fixing C.P Brass waste for wash basin or sink. (i) 32mm (thirty two millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number		Each		
5	Providing and fixing PVC connection with bras unions (a) 300x450mm (three hundred x four hundred fifty millimetre) length. (i) 20mm (twenty millimetre) nominal boare. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number		Each		
6	Providing and fixing 600mm x 450mm (six hundred millimetre x four hundred fifty millimetre) bevelled edge mirror of superior glass mounted on 6mm thick A.C Sheet or plywood sheet and fixed to wooden plugs with C.P brass screws and washers. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number		Each		
7	Providing and fixing C.P Brass Towel rail complete with C.P Brass brackets fixed to wooden plugs with C.P Brass screws:- (i) 600 mm x 20mm (six hundred x twenty millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number		Each		

98

8	Providing and fixing 600mm x 120 mm (six hundred millimetre x one hundred twenty millimetre) glass shelf with C.P brass bracket and guard rail complete, fixed to wooden plugs with C.P brass screws. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
9	Providing and fixing chromium plated brass soap dish with C.P Brass brackets fixed to wooden cleats with C.P Brass screws. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	11.00	Number			Each	
10	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. (ii) 610 x 460 mm (six hundred ten x four hundred sixty millimetre) with bowl depth 200mm (two hundred millimetre).through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	1.00	Number			Each	
11	Providing and fixing C.P Brass bib tap with Capstan head. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	11.00	Number			Each	
12	Providing and fixing C.P Brass pillar tap with Capstan head. (a) 15 mm (fifteen millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	11.00	Number			Each	
13	Providing and fixing Brass stop cocks. (a) 15mm (fifteen millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	11.00	Number			Each	
14	Providing and fixing C.P brass angle valve 15mm (fifteen millimetre) without Nuts and pipe. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	26.00	Number			Each	
15	Providing and fixing 15mm (Fifteen millimetre) mixer for kitchen sink with top/bottom swinging spout.through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number			Each	

72

16	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 mm x 350 (four hundred thirty x two hundred sixty x three hundred fifty millimetre) and 340x430x265mm (three hundred forty x four hundred thirty x two hundred sixty five millimetre) sizes, respectively with automatic flushing cistern with fittings R.S or C.I brackets standard size galvanised steel flush pipe and spreaders galvanised steel flush pipe and spreaders with brass unions and G.I clamps complete, including painting of cistern and fittings, cutting and making good the walls, floors where required:- (a) one urinal basin with 5 litres automatic flushing cistern through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	5.00	Number			Each	
17	Providing and fixing automatic flushing cistern with a pair of C.I or M.S brackets complete with fittings including C.I Syphonic apparatus, mosquito proof lid, C.P Brass unions and coupling for connections with inlet, outlet and overflow pipes including cutting holes and making good the same (coverflow pipe to be measured and paid for separately) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
18	Providing and fixing C.P brass flush pipe/ spreaders for urinal with fitting such as unions, clamps etc. (all in C.P Brass) including cutting holes and making good the same. (a) 15mm (fifteen millimetre) nominal bore. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
19	Providing and fixing C.P Brass chain 50 cm long and rubber plug of following sizes for sink or wash basin. (i) 32mm (thirty two millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	10.00	Number			Each	
20	Providing and fixing M.I Union for wash basin or sink. (i) 32mm (thirty two millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	10.00	Number			Each	
21	Providing and fixing C.P Bottle Trap for wash basin and sink. (i) 32mm (thirty two millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
22	Providing and fixing 32mm (thirty two millimetre) dia. PVC/Lead waste pipe for wash basin or sink including PVC checknut. (MR) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	12.00	Number			Each	

23	Providing and fixing 100mm (one hundred millimetre) sand cast iron grating for gully, floor or Nahni trap. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	14.00	Number			Each	
24	Providing and fixing Toilet paper holder. (ii) Providing and fixing recessed Roll type toilet paper holder (Vitreous China) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
25	Providing and fixing Division Plate for Urinals 600mm x 300. (six hundred x three hundred millimetre) Vitreous China. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
26	Providing and fixing brass full way valve with wheel. (a) 15mm (fifteen millimetre) nominal bore. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	15.00	Number			Each	
27	Providing and fixing brass full way valve with wheel. (a) 20mm (twenty millimetre) nominal bore. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	5.00	Number			Each	
28	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2.00	Number			Each	
29	Constructing manhole with R.C.C top slab in 1:2:4 mix in (one cement : two sand : four graded stone aggregate 20 mm (twenty millimetre) nominal size 8 (eight) graded stone aggregate 40mm (forty millimetre) nominal size inside plastering 15mm (fifteen millimetre) thick with cement mortar 1: (one cement : three sand) finished with a floating coat of neat cement and making channels in concrete 1:2:4 mix (one cement : two sand : four graded stone aggregate 20mm (twenty millimetre) nominal size finished smooth complete including curing and testing inside size 800x 800x 500 mm (eight hundred x eight hundred x five hundred millimetre) deep with 200 mm (two hundred millimetre) thick wall of brick masonry with CM 1:3. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	4.00	Number			Each	

30	(i) Inside size 800mm x 800mm (eight hundred millimetre x eight hundred millimetre) and 1000mm (one thousand millimetre) deep including C.I cover with frame. (light duty single seal pattern-1) 455 mm x 610 mm (four hundred fifty five x six hundred ten millimetre) internal dimensions total weight of cover and frame to be not less than 38 kg. (Weight of cover 23 kg (twenty three kilogramme) and weight of frame 15 kg). (a) with 200 mm (two hundred millimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (one cement : three sand). through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number		Each	
31	Cement concrete flooring 1:2:4 (one cement : two sand: four graded stone aggregate 20 mm (twenty millimetre nominal size) laid in one layer finished with a floating coat of neat Cement. 40 mm (forty millimetre) thick. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	8.25	Number		Each	


 Executive Engineer
 Banjar Division
 HP.PWD. Banjar

SCHEDULE OF QUANTITY

Name of Work :-Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH:Providing Fitting work of door and window, cover frame of main hole and outer wall painting							Estimated Cost:- Rs 499924/- only. Earnest Money :-Rs.10000/- only. Time :- One Month.		
Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount			
			Figures	Words					
1	2	3	4	5	6	7			
1	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coatsincluding hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	473.75 Square metre			Per Square metre				
2	Providing and fixing angle iron cupboard frames manufactured from M.S.Angle iron section 25X25X5mm (twenty five x twenty five x five millimetre) thickness including hinges jamb,lock jamb,beed and if required angle thrashold of mild steel angle 25X25 mm (twenty five x twenty five millimetre) welded or rigidly fixed by mechanical means,lugs with split end tails to each jamb including steel butt hinges 2.5 mm (twenty point five millimetre) thick with provision for locking arrangement and shock absorber as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-inCharge through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	147.8 Running metre			Per Running metre				
3	P/F 12 mm (thirty five millimetre) thick prelaminated board both side bwp phenol bonded exterior/interior grade panalled shutters with frame of first class deodar wood for doors including bright finished/black enamelled iron butt hinges with necessary screws 40 mm (forty millimetre) thick frame. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	6.75 Square metre			Per Square metre				
4	Providing and fixing 25mm (twenty five millimetre) thick panelled glazed or panelled and glazed shutters for cup boards etc. including Nickel plated bright finished piano hinges. 2nd class deodar wood through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	66.64 Square metre			Per Square metre				
5	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 fifty six millimetre) for doors indows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws. 2nd class deodar wood. Sq.m 30mm (thirty millimetre) thick through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	56.17 Square metre			Per Square metre				

29

6	Providing and fixing moulded hand rail of MS hollow pipe 50mm 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)	38.66	Running metre			Per Running metre	
7	Providing and fixing aluminium sliding door bolts, ISI marked with nuts and screws etc. complete :						
8	a) 300 x 16 mm	18	Number			Each	
	Providing and fixing aluminium tower bolts, ISI marked with nuts and screws etc. complete :						
	a) 200x10 mm	267	Number			Each	
9	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :						
	a) 125 mm	152	Number			Each	
10	Providing and fixing bright finishing brass door latch with necessary screws complete						
	250x16x5mm	36	Number			Each	
11	Supplying and fixing cast iron cover with out frame for main hole for 500 mm (five hundred millimetre) internal diameter (medium duty) the weight of cover to be not less than 58 kg. (fifty eight kilogramme). through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3	Number			Each	
12	Supplying and fixing cast iron cover with rectangle frame 445x610 mm (four hundred forty five x six hundred ten millimetre) (light duty) single seal pattern of the weight of cover to be not less than 23 kg. (twenty three kilogramme) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2	Number			Each	

13	Providing and fixing PVC Cowl in waste and ventilating pipes ISI marked including fixing with approved adhesive etc complete 110 mm (one hundred millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	2	Number		Each	
14	Painting steel work with Delux multi surface paint to give an even shade . Two or more coat applied @90ltr/10sqm over an under coat of primer applied @.80ltr/sqm of approved brand and manufacturer	52.88	Square metre		Per Square metre	
					Total	

Executive Engineer
Banjar Division
HP.PWD. Banjar

29

SCHEDULE OF QUANTITY

Name of Work :- Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu
(SH: Providing and fixing vitrified tile in flooring and skirting etc.)

Estimated Cost:- Rs 499068/- only.
Earnest Money :-Rs10000/- only.
Time :- One Month.

Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Providing and fixing 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 color and shades laid on 20 mm thick cement mortar 1:4 (1 cement:4 coarse sand) jointing with grey cement slurry @ 3.30kg/sqm including grouting the joint with white cement and matching pigments etc complete-Size of tile 600x600 mm including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	164.55 Square metre			Per Square metre	
2	Providing and fixing 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 color and shades in skirting riser of steps over 12 mm thick cement mortar 1:3 (1 cement:coarse sand) jointing with grey cement slurry @ 3.30kg/sqm including grouting the joint with white cement and matching pigments etc complete-Size of tile 600x600 mm including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	34.89 Square metre			Per Square metre	
3	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	195.10 Square metre			Per Square metre	
					Total	

Executive Engineer
Banjar Division
HP.PWD, Banjar

SC

SCHEDULE OF QUANTITY

Name of Work :-Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH: Providing and fixing door, window, cup board shutter and MS sheet sliding shutter etc.)							Estimated Cost:- Rs 494008/- only. Earnest Money :-Rs.10000/- only. Time :- One Month.		
Sr. No	Description of items	Quantity	Rate in all taxes including G.S.T.		Unit	Amount			
			Figures	Words					
1	2	3	4	5	6	7			
1	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections joints mitred and welded with 16x3.15 mm (sixteen x three point fifteen millimetre) lugs 10 cm long embedded in cement concrete blocks 15 cmx10cmx10cm (fifteen centimetre x ten centimetre x ten centimetre) size of 1:3:6 (one cement: three sand: six graded) stone aggregate 20mm (twenty millimetre nominal size) or with wooden plugs and screws or rawl plug and screws or with fixing clips or with bolts and nuts as required and iron fittings, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of red lead paint Side hung windows. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	113.96 Square metre			Per Square metre				
2	Providing and fixing to existing door frames, 30mm thick factory made PVC panelled door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x19mm (nineteen millimetre x nineteen millimetre) for styles and 15mmx15mm (fifteen millimetre x fifteen millimetre) for top & bottom rails, M.S. frame shall have a coat of steel primers of approved make and manufacture M.S. frame covered with 5mm (five millimetre) thick heat moulded PVC "C" channel of size 30mm (thirty millimetre) thickness, 70mm (seventy millimetre) width out of which 50mm (fifty millimetre) shall be flat and 20mm shall be tapered in 45 degree angle on either side forming style and 5mm (five millimetre) thick, 95mm (ninety five millimetre) wide, PVC sheet out of which 75mm (seventy five millimetre) shall be flat and 20mm (twenty millimetre) shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm (one hundred fifteen millimetre) wide PVC sheet out of which 75mm (seventy five millimetre) shall be flat and 20mm (twenty millimetre) shall be tapered on both side to form lock rail, top, bottom and lock rail shall be provided either side of the panel 10mm (ten millimetre) thick, 20mm (twenty millimetre) wide cross PVC sheet be provided as gap insert for top rail and bottom rail paneling of 5mm (five millimetre) thick both side PVC Sheet to be fitted in the M.S. frame welded/sealed to the style & rails, joints mitred and jointed with solvent cement adhesive i/c fixing of PVC shutter with existing frame with M.S. butt hinges 100x50x1.90mm (one hundred x fifty x one point ninety millimetre) size with necessary screws etc complete. with through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	30.44 Square metre			Per Square metre				

3	Providing and fixing 19mm (nineteen millimetre) thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	19.38	Square metre			Per Square metre	
4	Providing and fixing 1 mm (one millimetre) thick M.S sheet sliding shutters with frame and diagonal braces or 40 mmx40mmx6 mm (forty millimetre x forty millimetre x six millimetre) angle iron 3.15 mm (thirty point fifteen millimetre) M.S gusset plates at junctions and corners 25mm (twenty five millimetre) dia pulley, 40mm X40 mm X6mm (forty millimetre x forty millimetre x six millimetre) angle and T.iron guide at the top and bottom respectively including applying a priming coat of red lead paint. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	1.85	Square metre			Per Square metre	
						Total	


 Executive Engineer
 Banjar Division
 HP.PWD. Banjar

31

SCHEDULE OF QUANTITY

Name of Work :- Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH: Providing Soffits, fascia, Distemper white washing work and C.C. in moulding of windows sill.)

Estimated Cost:- Rs 479591/- only.

Earnest Money :- Rs.9500/- only.

Time :- One Month.

Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board/fascia/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 hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	52.88			Per Square metre	
2	Applying one coat of water thinnable cement primer of approved brand and manufacturer on wall surface----water thinnable cement primer including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	1650.47			Per Square metre	
3	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	1650.47			Per Square metre	
4	Providing White washing with lime to give an even shade including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	576.05			Per Square metre	

2

5	Distempering with oil bound washable distemper of approved brand and manufacturer to give an even shade (13.41.4-new work (two or more coats) over and including water thinnable priming coat with cement primer including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	1650.50	Square metre			Per Square metre	
6	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard and soft wood) including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	423.80	Square metre			Per Square metre	
7	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but, excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size), including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	1.50	Cubic metre			Per cubic metre	
						Total	


 Executive Engineer
 Banjar Division
 HP.PWD. Banjar

23

SCHEDULE OF QUANTITY

Name of Work :- Balance work of Science Lab in Govt. Sr. Sec. School Building at Sainj in Distt. Kullu (SH: wall painting VI Installation).

Estimated Cost:- Rs 432109/- only.
Earnest Money :-Rs.9000/- only.

Time :- One Month.

Sr. No	Description of items	Quantity	Rate in all taxes		Unit	Amount
			Figures	Words		
1	2	3	4	5	6	7
1	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coat including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	473.75 Square metre			Per Square metre	
2	Painting with synthetic enamel paint of approved brand and manufacturer to give an even shade Two or more coat on new work over an under coat of suitable paint of approved brand and manufacturer including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	423.800 Square meter			Per Square meter	
3	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drain (not exceeding 1.5m in width or 10sqm on plan)including dressing of sides and ramming of bottoms lift upto 1.5m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m --All kind of soil including hauling/carriage of all labour equipments and materials to various locations through all modes of transportations in all leads and lifts to the entire satisfaction as per direction of Engineer-in-charge.	84.6 Cubic metre			Per cubic metre	
4	Providing and laying in trenches galvanized mild steel medium grade tubes fittings (earth work trenches to be measured and paid for separately. 20mm (twenty millimetre nominal bore). through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	100 Running metre			Per Running metre	

5	Providing and fixing aluminium polyethelene (PE-AL-PE) composite pressure pipe U.V. s conforming to IS 15450-2004 tabized with carbon black having thermal stability for hot and cold water supply capable to with stand temprature upto 80 c i/c Special fittings of composite materials (Engineer plastic blenrd and brass inserty wherever required elbows, tees, reducers, couplings and connections etc with clamps at 1.00 (one) mtre spacing the icludes testing of joints complete as per direction of Engineer-in-charge (i) 1216mm (one thousand two hundred sixteen millimetre 15mm (fifteen millimetre) OD Pipe) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	126	Running metre			Per Running metre	
6	1620 mm (one thousand six hundred twenty millimetre) 20mm (twenty millimetre OD pipe) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	44	Running metre			Per Running metre	
7	Providing and fixing end seal compression fitting as per IS 15450-2004 for cold water supplying tees elbows reducers connector ouplers and clamps with jointing testing and fixing complete i/c cutting and making good the wall complete as per direction of Engineer-in-charge. External work PE-AL-PE-Composite end esal compression fittings. (a) Equal Tees (i) 1216 mm size (one thousand two hundred sixteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
8	1620 mm size (one thousand six hundred twenty millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
9	Reducing Teels (i) 1620x (one thousand six hundred twenty millimetre) all branches through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	6.00	Number			Each	
10	2025x all branches (two thousand twenty five millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	6.00	Number			Each	
11	Female branch Tee (i) 1216x15mm (one thousand two hundred sixteen x fifteen millimetre) thread through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	24.00	Number			Each	
12	1620x15mm (one thousand six hundred twenty x fifteen millimetre) thread through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	8.00	Number			Each	

33

13	Female branch Tee (i) 1216x1216x15mm thread (one thousand two hundred sixteen x one thousand two hundred sixteen x fifteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	52.00	Number			Each	
14	1620x1620x20mm thread (one thousand six hundred twenty x one thousand six hundred twenty x twenty millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	28.00	Number			Each	
15	Male thread connector (i) 1216x15mm (one thousand two hundred sixteen x fifteen millimetre) thread through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	8.00	Number			Each	
16	1220x15mm thread (one thousand two hundred twenty x fifteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	8.00	Number			Each	
17	Female thread connector (i) 1216x15mm (one thousand two hundred sixteen x fifteen millimetre) thread. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge..	8.00	Number			Each	
18	1620x15mm thread (one thousand six hundred twenty x fifteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	8.00	Number			Each	
19	Couplers (i) 1216mm (one thousand two hundred sixteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	40.00	Number			Each	
20	1620mm (one thousand six hundred twenty millimetre (20mm twenty millimetre OD pipe) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	8.00	Number			Each	
21	Reducers (i) 1620x1216mm. (one thousand six hundred twenty x one thousand two hundred sixteen millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	14.00	Number			Each	
22	Making connection of galvanized mild steel distribution branch with galvanized MS main 20mm (twenty millimetre) to 40 mm (forty millimetre) nominal bore by providing and fixing tee including cutting and threading the pipes complete through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	1.00	Number			Each	

23	Fixing water metre and stop cock in galvanized mild steel tube i/c necessary fitting such as mild steel galvanised jam nut, socket etc. cutting and making long screws 20mm (twenty millimetre) nominal bore through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	1.00	Number			Each	
24	Providing and fixing PVC water storage tank of ISI : 12701 marked, G.I inlet and outlet connection, 15mm nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all heights above ground level. :- (i) 1000ltr. (one thousand litres) net capacity tank. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number			Each	
25	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete. (i) 150 mm (one hundred fifty millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	86.00	Number			Each	
26	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete. (i) 110 mm (one hundred ten millimetre) dia through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	90.00	Number			Each	
27	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete. (i) 150 mm (one hundred fifty millimetre) dia through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	10.00	Number			Each	
28	110 mm (one hundred ten millimetre) dia through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	12.00	Number			Each	
29	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	12.00	Number			Each	
30	110 mm (one hundred ten millimetre) dia through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	12.00	Number			Each	

31	Providing and fixing PVC single equal branch with oval access door, ISI marked insertion rubber washer 3 mm (three millimetre) thick bolts and nuts complete including fixing with approved adhesive etc. complete. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
32	110 mm (one hundred ten millimetre) dia through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
33	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3mm (three millimetre) thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. (i) 90 mm (ninety millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
34	75mm dia. (seventy five millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	9.00	Number			Each	
35	Providing and fixing PVC double equal branch with oval access door, insertion rubber washer 3 mm (three millimetre) thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete. (i) 150 mm (one hundred fifty millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number			Each	
36	110 mm dia. (one hundred ten millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number			Each	
37	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	24.00	Number			Each	
38	110 mm dia. (one hundred ten millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	24.00	Number			Each	
39	Providing and fixing PVC cowl (i) 150 mm (one hundred fifty millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	4.00	Number			Each	
40	110 mm dia. (one hundred ten millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	4.00	Number			Each	

41	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. complete. (i) 150 mm dia. (one hundred fifty millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	36.00	Number			Each	
42	110 mm dia. (one hundred ten millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	36.00	Number			Each	
43	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 floor etc. complete. (i) 110 mm x 90mm (one hundred ten millimetre x ninety millimetre) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	14.00	Number			Each	
44	Chase in stone/brick masonry walls for fixing sand cast iron/ cast/ spun iron pipes and fittings including making good the same with stone/ brick work in cement mortar 1:3 (one cement : three sand) (i) For 75mm (seventy five millimetre) nominal size diameter through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	30.00	Number			Each	
45	For 100 mm (one hundred millimetre) nominal size diameter through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	30.00	Number			Each	
46	Providing and fixing vitreous china wash down, water closet squatting pan (Indian type W.C pan) size 58 mm (fifty eight millimetre) (Earth work, bed concrete, foot rest and trap to be measured and paid for separately) (i) Orissa Pattern. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	5.00	Number			Each	
47	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) through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	5.00	Number			Each	
48	Providing and fixing PVC 'P' or 'S' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc. complete. (i) 150 mm (one hundred fifty millimetre) dia. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	7.00	Number			Each	

89

49	Providing and fixing PTMT Coloured/white automatic flushing cistern with a pair of PVC/C.I or M.S bracket complete with fittings including PVC syphonic apparatus, mosquito proof lid, PVC union and coupling for connections with inlet, outlet and over flow pipes including cutting holes and making good the same (over flow pipe to be measured and paid for separately) (i) 5 (five) litres net capacity. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	7.00	Number			Each	
50	Providing and fixing plastic seat (Solid/ Hollow type) and cover for wash down water closet with C.P Brass hinges and rubber buffers.(II) HOLLOW TYPE: (b) Coloured plastic seat and cover. through all modes of transportation including carriage of materials with in all leads and lifts and as per direction of Engineer-in-charge.	3.00	Number			Each	
						Total	



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93