

Himachal Pradesh
Public Works Department

No:-PW/SRDD-CB-CTR-NIT/2022- 18438
To

Dated:- 3-10-2022

The Executive Engineer (IT Cell)
H.P.P.W.D. Nigam Vihar Shimla-2.

Subject:- Notice Inviting Tender for uploading the same on departmental website.

Enclosed please find herewith Notice Inviting Tender (NIT) of various works in respect of this office for uploading the same on departmental website.

Encl:-Copy of NIT

Executive Engineer
Shimla Rural Division
HPPWD Dhamsi.

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

Sealed item rate tenders on PWD Form 6 & 8 are hereby invited by the Executive Engineer Shimla Rural Division H.P.P.W.D. Dharmi on behalf of Governor of Himachal Pradesh for the followings works from the eligible contractors enlisted in H.P.P.W.D. (B&R) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act 1968 so as to reach in this office on before **14-10-2022 up to 11:00 AM** and the same shall be opened on the same day at **11:30 AM** in the presence of intending contractors or their authorized representative who may like to be present. The Tenders documents can be had from this office against cash payment (Non-refundable) on **13-10-2022 up to 4:00 PM** and the application for issue of tender form shall be received on **12-10-2022 up to 4:00 PM**.

The amount of earnest money in the shape of NSCs/FDR deposit at call of any of the Post office/Bank duly pledged in favour of Executive Engineer Shimla Rural Division HPPWD Dharmi must be accompanied with the application for tender documents. Please not no exemption order of earnest money will be entertained. Conditional tenders and the tenders received without earnest money as mentioned above will similarly be rejected. The offer of the tenders shall be kept open for 75 days. The Executive Engineer reserve right to reject any tender of all tenders without assigning any reasons. If it happens to be a holiday on the day of opening of tenders the same will be opened on next working day at the same time and venue.

Sr. No.	Name of Work	Estimated Cost	Earnest Money	Time	Cost of Form
1	R/R damages on Sangti Neri road Km. 0/00 to 6/645 (SH:- C/O B/wall at RD. 6/620 to 6/645)	Rs. 4,19,334/-	Rs. 8400/-	One Month	Rs. 350/-
2	C/O link road Harizan Basti Syalmu Badog Km. 0/00 to 1/500 (SH:- Cutting at various Rds between Km. 0/750 to 1/500)	Rs. 4,94,813/-	Rs. 9,900/-	Two Month	Rs. 350/-
3	C/O link road Harizan Basti Syalmu Badog Km. 0/00 to 1/500 (SH:- Cutting at various Rds between Km. 0/00 to 0/750)	Rs. 4,94,813/-	Rs. 9,900/-	Two Month	Rs. 350/-
4	R/R damages on Galog Nehra Okhroo road Km. 0/00 to 11/135 (ii) Okhroo Keru road Km. 0/00 to 3/00 (iii) Galog Halog road Km. 0/00 to 2/500 (iv) Solah mile Sedan road Km. 0/00 to 3/00 (SH:- Hiring of JCB machine for clearance of land slides, dressing of berms, C/O unlined drain and clearance of Malwa in Pucca drain etc.)	Rs. 4,37,000/-	Rs. 8,740/-	One Month	Rs. 350/-
5	A/R & M/O link road Harizan Basti Syalmu Badog Km. 0/00 to 1/500 (SH:- Trimming of grass, C/O unlined drain, removal of slips, white washing etc.)	RS. 1,25,595/-	Rs. 2,600/-	One Month	Rs. 350/-
6	C/O Gang Hut at Dargi (JE office cum store (SH:- C/O building portion Civil work and P/F water supply and sanitary installation) Balance work	RS. 4,83,410/-	Rs. 10,000/-	Two Month	Rs. 350/-
7	Improvement of Kanauri Shapria to Shamyari road Km. 2/765 (SH:- C/O R/wall at RD 0/445 to 0/455)	RS. 3,27,931/-	Rs. 7,000/-	Two Month	Rs. 350/-
8	Improvement of Kanauri Shapria to Shamyari road Km. 2/765 (SH:- C/O R/wall at RD 0/285 to 0/300 and 0/420 to 0/430))	RS. 3,71,225/-	Rs. 7,000/-	Two Month	Rs. 350/-
9	Improvement of ShananGhatti Dargi Sohal Katal road Km. 0/00 to 12/00 (SH:- Improvement of curves cutting at	Rs. 4,99,257/-	10000/-	One Month	Rs. 350/-

	RD. 6/090 to 6/180)				
10	A/R & M/O to Galog Nehra Okhroo road Km. 0/00 to 12/00 (SH:- C/O B/wall at Km. 4/570 to 4/615 & 4/907 to 4/912)	Rs. 489294/-	10000/-	One Month	Rs. 350/-
11	C/O link road from Chebri to Piplughat Km. 0/00 to 3/750 (SH:- C/O wire crate R/wall at Rd. 1/470 to 1/530)	Rs. 472522/-	9500/-	One Month	Rs. 350/-
12	C/O link road from Chebri to Piplughat Km. 0/00 to 3/750 (SH:- C/O wire crate R/wall at Rd. 1/410 to 1/460)	Rs. 393768/-	7500/-	One Month	Rs. 350/-
13	R/R damages on Judicial Academy Ghandal (SH:- C/O R/wall at Open Air Theatre) 0/00 to 4/00) Job No4	488882/-	10000/-	One Month	Rs. 350/-
14	R/R damages on Hiranagar to Jutogh road Km. 0/00 to 1/240 (SH:- C/O R/wall in Km. 0/425 to 0/446)	Rs. 498375/-	10000/-	Two Month	Rs. 350/-
15	R/R damages on Banooti Pahal road Km. 0/00 to 16/00 (SH:- C/O R/wall at RD. 1/450 to 1/470)	Rs. 3,47,060/-	6900/-	One Month	

Followings documents should be attached with the application for tenders:-

- (i) The Contractors are requested to be produced a copy of their PAN No. GST No. copy of enlistment renewed letter and EPF certificate alongwith FDR against earnest money.
- (ii) Special care would be taken to write the rates both in figures and in word failing which tender is likely to be rejected.

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami

No: PW-SRDD-CB-CTR / 2022-

8424-37

Dated:- 3-10-2022

Copy forwarded for the following for information and necessary action to:-

1. The Superintending Engineer 4th Circle HPPWD Shimla-3.
2. All the Assistant Engineer working under this division for information and necessary action.
3. All the heads of the branches in this office.
4. Notice Board.

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami.

Certificate

Certified that the tenders called vide this office notice
No.PW-SRDD-CB-CTR/2022- dated for 30 number jobs is hereby
invited without press notice due to exigencies/emergency of works in the public interest.

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami.

Schedule Of Quantity

Name Of Work :- R/R damages on Sangti Neri road km. 0/00 to 6/645 (SH:- C/O B/wall at Rd. 6/620 to 6/645)

Estimated Cost:- 4,19,334.00
Earnest Money:- 8400.00
Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate In figures	In words	Unit	Amount
		3	4				
1	2 Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge.	18	Cum			Per cubic metre	8
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge. (For Structure as per drawing)	45.4	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	113.40	Cum			Per cubic metre	
4	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	65.70	Rmt.			Per Running Metre	
		Total Rs.					

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dharni.

Draft SCHEDULE OF QUANTITY

Draft SCHEDULE OF QUANTITY						
Sl. No.	Description of work	Qty.	Unit	RATE IN		AMOUNT
				Figure	Words	Rs.
Draft Schedule of Quantity						
Sr.N o.	Name of work:-C/O Link road Harthen Basti Syamba Badog KM 0/0 to 1/500(SH:-C) cutting at various RIs between KM 0/750 to 1/500).			Estimated C	Earnest Mor	
1	Excavation in earthwork in hill area all heights and depth, in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock with rock breaker including breaking rock. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution, etc. and to protect stability of hill side. Rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting / excavation, including rock excavation shall be carried out true to lines grades, side slopes, width, chamber, super elevation and level as shown on the drawings or as directed by the Engineer-in - Charge, in conformity with the requirement of technical specification for Rural Road, August 2004 and clause 16.2 of General Conditions for Contract to achieve designed formation width including hauling and stacking of material useful for construction at suitable sites and safe disposal of unsuitable cut material in specified manner, trimming, filling of unevenness, blindage and finishing of the road to specified dimensions or as directed by the Engineer-in - Charge for smooth riding. The recovery of useful stone that is 76.13 cubic meter in all cases falling which recovery of Rupees 300/- only (Rupees three hundreded only) per cubic metre shall be effected on prorata basis. Any loss to the public and private property during the course of execution shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.	2537.500	m3	Per Cubic metre		
				Time limit :	Two Month.	
						494813.00
						9900.00

Executive Engineer

Syamba Road Division

10/04/2018



Draft SCHEDULE OF QUANTITY

Draft SCHEDULE OF QUANTITY						
Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT
				Figure	Words	Rs.
Draft Schedule of Quantity						
Sr.N o.	Name of work:-C O Link road Harizen Basti Syamlu Badog K.M 0/0 to 1/500(SH):-Cutting at various RDs between KM 0/00 to 0/750).	Estimated C				
		Earnest Mor				
		Time limit :-				
1	Excavation in earthwork in hilly area all hights and depth, in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock with rock breaker including breaking rock. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution, etc. and to protect stability of hill side. Rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting / excavation, including rock excavation shall be carried out true to lines grades, side slopes, width, chamber, super elevation and level as shown on the drawings or as directed by the Engineer-in-charge, in conformity with the requirement of mechanical specification for Rural Road, August 2004 and clause 16.2 of General Conditions for Contract to achieve designed formation woth including hauling and stacking of material useful for construction at suitable sites and safe disposal of unsuitable cut mareterial inspected manner,trimming, filling of unevenness, blindage and finishing of the road to specified dimensions or as directed by the Engineer-in-charge for smooth riding. The recovery of useful stone that is 76.13 cubic meter in all cases falling which recovery @ Rupees 3000 - only (Rupees three hundreded only) per cubic metre shall be effected on prorata basis. Any loss to the public and private property during the course of execution shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.	2537.500	m ³	Per Cubi c metre		
						Two Month.

Executive Engineer
Shimla Rural Division
HPPWD
Dhami

Schedule Of Quantity

Name Of Work :- R/R damages on Galog Nehra Okhroo road km. 0/00 to 11/135 (ii) Okhroo Keru Nehra road km. 0/00 to 3/00 (iii) Galog Halog road km. 0/00 to 2/500 (iv) Solah Mile Sedan road km. 0/00 to 3/00 (SH:- Hiring of JCB machine for clearance of landslides, dressing of berms, C/O Unlined drain and cleance of Malwa in pucca drain etc)

Estimated Cost:- 4,37,000.00

Earnest Money:- 8740.00

Time:- One Months.

S.No	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	Hiring of Excavator- cum- Loader for removal of snow / slips including cost of fuel oil, lubricants, wages of operational staff, any repair during operation will be carried out at his risk & cost, including carriage of machinery from one place to another at required location. Actual working will be accounted for payment & proper diposal of snow, slips will be insured by the contractor & including all leads & lifts & work will be executed as per direction of Engineer- in - Charge. average Quintity lifts (47.05 cum/hour)	380	Hour			Per Hour	
Total Rs.							

Executive Engineer,
Shimla Rural Division,
H.P.W.D, Dhani.

Schedule Of Quantity

Name Of Work :- A/R & M/O link road Harizen Basti Syalmu Badog road km. 0/00 to 1/500 (SH:- Trimming of Grass, C/O unlinedrain, removal of slips, white washing etc.)

Estimated Cost:- 1,25,595.00

Earnest Money:- 2600.00

Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2 Trimming of grass and weeds from the shoulders/biems and disposing off the same to suitable locations as per technical specifications Clause 1914 including carriage of materials within all leads and lifts and as per the direction of Engineer-In-Charge.	3	3000	4	Sqm	7	8
2	Construction of unlined drain manually complete as per the technical specification and the direction of Engineer in charge.	1500	Rmt.			Per running metre	
3	Removal of slips/land slides in hilly area in all height and depth in all kind of soil such as ordinary soil, ordinary rock and hard rock including blasting (if required) by mechanical means including cutting and trimming of slopes and disposal of cut /unserviceable materials/debris upto indentified dumping site within all lead and lift as per technical specification 302.3.5 and 1611. including stacking of serviceable material on road side and neatly dressed the road surface as per direction of the Engineer-in-charge. In case any of damages to govt./Private property took place, the contractor shall be liable for it and cost of repair/ restoration will be born/duly compensated by the contractor ation of 1990 volume-1 and direction of Engineer-in-charge including carriage of material within all leads and lifts as per HP. PWD, specification of 1990 volume-1 and direction of Engineer-in-charge.	168.94	Cum			Per Square Metre	
4	The maintenance of drains include erosion, repair, clearing, cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907. including carriage of materials within all leads and lifts and as per the direction of Engineer-In-Charge.	6000.00	Sqm			Per Square Metre	
5	White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915 including carriage of materials within all leads and lifts and as per the direction of Engineer-In- Charge.	265.00	Sqm			Per Running Metre	
Total Rs.							

Executive Engineer
Sakya Rural Divisi.
HRPWD District

Schedule Of Quantity

Name Of Work :- C/O Gang Hut at Dargi (JE office Cum store (SH:- C/O Building Portion Civil Work and Providing and Fixing Water Supply and Sanitary installation) Balance Work

Estimated Cost:- 4,83,410.00
Earnest Money:- 10000.00
Time:- Two Months.

S.No	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2		4	5	6	7	8
1	Half brick masonry in 2nd class common burnt clay building bricks in cement mortar 1:4 (1cement:4sand) in superstructure including cartiage with in all leads and lifts and as per HP.PWD.specifications of 1990 volume-1 and as per direction of Engineer-in-charge up to floor all levels	45.45	Sqm			Per Square Metre	
2	Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position.	0.46	Cum			Per cubic metre	
3	Providing form work with steel plates 3.15mm thick welded with angle iron frame 30x30x5mm, so as to give a fair finish including centring, shuttering and propping etc. with wooden battens and ballies, propping and centering below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for institution reinforced and plain concrete work	2.7	Sqm			Per Square Metre	
4	Providing and laying mechanically mixed and vibrated cement concrete 1:1½:3 (1 cement : 1½ sand : 3 graded stone aggregate 20 mm nominal size) mixed with bibrated mechanically so as to give a compressive strength corresponding to grade M-20 and curing completed excluding cost of form work and re-inforcement for reinforced concrete work in all floor height and cartiage of material in all leads and lifts. including cartiage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-1 and as per direction of Engineer-in-charge.	0.27	Cum			Per cubic metre	
5	Providing mild steel/Tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level : Tor Steel up to floor all levels	32.4	Kg.			Per Kilogram	

6	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws 40 mm thick. Second class deodar wood for doors with panel of 12 mm including carriage of material within all leads and lifts and as per HP.PWD specifications of 1990 volume-I and as per direction of Engineer-in-charge	15.2	Sqm				Per Square Metre	
7	Providing & Fixing door Shutter with 40 mm thick frames of second class deodar wood for with panel of 12 mm thick MDF board preeliminated both side phenol bonded particle board ISI marked No. 12823 exterior / interior grade panelled shutter including bright finished / black enamelled iron butt hinges with necessary screws frame as per HPPWD specification 1990 volume -I including carriage of material within all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge	5.21	Sqm				Per Square Metre	
8	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge designation 85 (eighty five) G. with wire of dia 0.56 mm (zero point fifty six millimetre) for doors windows and clerestory windows including bright finished black enamelled iron butt hinges with necessary screws as per HP.PWD specification 1190 volume-1 including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts including all incidental charges etc. and as per direction of Engineer-in- Charge.	1.89	Sqm				Per Square Metre	
9	Providing and fixing M.S grills of required pattern in wooden frames of windows etc. with M.S flats square or rounded bars with round headed bolts and nuts or by screws as per HPPWD specification 1990 (one thousand Nine hundred Ninety) volume-I including carriage of material in all leads and lift. Plain grill.	112.14	Kg.				Each	
10	Providing and fixing anodized aluminium sliding door bolt anodized colour and shade with bolts and nuts screws etc., complete including carriage of material up to all leads and lifts and as per the direction of Engineer in charge.	2	Nos.				Each	
(ii)	300x16mm	2	Nos.				Each	
11	250 x 16 mm	60	Nos.				Each	
	Providing and fixing aluminium tower bolts (barrel type) anodized transparent or dyed to required (ISI mark) with necessary screws							

12	Providing and fixing aluminium. Handles anodized transparent or dyed to required with the necessary screws etc. complete including carriage of material up to all leads and lifts and as per the direction of Engineer in charge. 125 mm	60	Nos.						
13	Providing and fixing oxidized M.S. hooks and eyes. 150 mm	35	Nos.						
14	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	1	Nos.					Each	
15	P/L mirror polished Kota stone slab of size 55x55 CM in flooring over 20 mm (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 (1 cement : 4 coarse sand) :	2.25	Sqm					Per Square Metre	
16	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.	2.7	Sqm					Per Square Metre	
17	Providing and fixing Stainless Steel A ISI 304 (18/8) Kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink with drain board	1	Nos.					Each	
18	Providing and laying double charged vitrified floor tiles of size 60x60 cm (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete	28.04	Sqm					Per Square Metre	

19	Providing and laying anti skid Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc complete	2.7	Sqm			Per Square Metre	
20	Providing and fixing 1st quality ceramic glazed wall tiles 30x45 cm conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	12.96	Sqm			Per Square Metre	
21	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Shinglesocketed pipes. 110mm dia	12	Rmt.			Per Running Metre	
22	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. 110 mm bead / door bend	4	Nos.			Each	
22.1	110 mm plain shoe	4	Nos.			Each	
23	Structural steel work including hollow section riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	60	Kg.			Per Kilogram	
24	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 lit/ 10 sqm over an under coat of primer applied @ 0.80 lit/ 10 sqm of approved brand and manufacture	60	Sqm			Per Square Metre	

25	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting including carriage of materials within all leads and lifts :	35.63	Sqm				Per Square Metre	
26	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	35.63	Sqm				Per Square Metre	
27	6mm cement plaster to ceiling in cement mortar 1:3 (1 cement : 3 sand) including carriage of materials within all leads and lifts in all floor levels including carriage of materials within allleads and lifts :-	42.49	Sqm				Per Square Metre	
28	15mm cement plaster in single coat as pattern shown at corner on the fair side of brick/concrete/stone walls for interior plastering upto all floor level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and sand opared smooth including carriage of materials within allleads and lifts..	77.74	Sqm				Per Square Metre	
29	15mm cement plaster in single coat as pattern shown at corner on the fair side of brick/concrete/stone walls for interior plastering upto all floor level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and sand opared smooth including carriage of materials within allleads and lifts..	65.42	Sqm				Per Square Metre	
30	Finishing walls with Acrylic Smooth exterior paint of required shade ,brand and manufacture for interior grade on undecorated on crete / stone / plastered wall surfaces to give an even shade including t thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying of putty a required for metting the surface	78.54	Sqm				Per Square Metre	
31	Distempering with 1st quality acrylic distemper, 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.	107.21	Sqm				Per Square Metre	

32	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.	185.75	Sqm			Per Square Metre	
33	Removal of slips/land slides in hilly area in all height and depth in all kind of soil such as ordinary soil, ordinary rock and hard rock including blasting (If required) by mechanical means including cutting and trimming of slopes and disposal of cut /unserviceable materials/debris upto identified dumping site within all lead and lift as per technical specification 302.3.5 and 1611. including stacking of serviceable material on road side and neatly dressed the road surface as per direction of the Engineer-in-charge. In case any of damages to govt/Private property took place, the contractor shall be liable for it and cost of repair/ restoration will be born/duly compensated by the contractor ation of 1990 volume-I and direction of Engineer-in-charge including carriage of material within all leads and lifts as per HP. PWD., specification of 1990 volume-I and direction of Engineer-in-charge.	210	Sqm			Per Square Metre	
34	Providing and laying heavy duty precast concrete inter locking paver blocks vibro. compacted upto M-50 grade i/c border or kurb block grey or coloured over sub-base concrete with 25mm thick of average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks i/c curing rubbing & polishing complete (Sub base concrete floor to be paid for separately)	9	Sqm			Per Square Metre	
35	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.	10	Rmt.			Per Running Metre	
36	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :	30	Rmt.			Per Running Metre	
37	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	1	Nos.			Each	
38	Fixing water meter and stop cock in G.I. pipe line including cutting	1	Nos.			Each	
39	Providing and placing on terrace (at all floor levels) polyethylene	1000	Litre			Per Litre	
40	Constructing masonry Chamber 30x30x50 cm inside, in brick work	1	Nos.			Each	

41	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. 110 mm dia	20	Rmt.				Per Running Metre	
42	Providing and fixing PVC single equal branch with oval access door, ISI marked insertion rubber washer 3 mm thick bolts and nuts complete including fixing with approved adhesive etc. complete.	5	Nos.				Each	
43	Providing and fixing PVC door bend with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete	5	Nos.				Each	
44	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete.	5	Nos.				Each	
45	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete.	5	Nos.				Each	
46	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete.	3	Nos.				Each	
47	Providing and fixing PVC double equal branch with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete	3	Nos.				Each	
48	Providing and fixing PVC plain double equal branch ISI marked including fixing with approved adhesive etc. complete.	3	Nos.				Each	
49	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. complete.	10	Nos.				Each	
50	Providing and fixing PVC floor traps ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete.	3	Nos.				Each	
51	Providing and fixing PVC cowl including carriage of materials within all leads and lifts :-	1	Nos.				Each	
52	Providing & fixing 110mm size "P" Or "S" trap for water closet (squatting pan) including jointing the trap with the pan & soil pipe in cement mortar 1:1 (1 cement : 1 sand) including carriage of material up to all leads and lifts and as per the direction of Engineer-in-Charge. Viterous China	1	Nos.				Each	

53	Providing and fixing 10.0/12.50/15.00 litres vitreous China low level flushing cistern with a pair of C.I. or mild steel brackets, complete with fitting such as lead valve less syphon, 15 mm nominal size brass ball valve with polythene float, C.P. Brass handle, unions and couplings for connections with inlet, outlet and over flow pipes, 40 mm dia C.P. flush bend including cutting holes in walls and making good the same and closet (over flow pipe to be measured and paid for separately).	1	Nos.			Each	
54	Providing and fixing plastic seat (Solid/Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers:1 SOLID TYPE white plastic seat and cover	1	Nos.			Each	
55	Providing and fixing vitreous China wash basin with single hole for pillar tape with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings 1) Flat back type of size 630mmx450mm.	1	Nos.			Each	
56	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	1	Nos.			Each	
57	Providing and fixing C.P. Brass waste ,and plug for glazed ware sinks,basins etc. With long screwed shanks and fly nuts and fixed to lead pipe including vulcanite plug ,brass chain and stud with union for lead pipe in addition and fixed including one soldered joint :- a)32mm nominal bore	2	Nos.			Each	
58	Providing and fixing 100mm C.P. grating including carriage of material upto all leads and lifts and as per the direction of Engineer-in-Charge.	2	Nos.			Each	
59	Providing and fixing 650mmx450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. Brass screws and washer, including carriage of material up to all leads and lifts and as per the direction of Engineer-in-Charge.	1	Nos.			Each	
60	Providing and fixing C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws Chromium Plated ISI marked IS No.8934 of Jal /ESS or its equivalent :- 600x20mm including carriage of material within all leads and lifts and as per the direction of Engineer-in-Charge.	1	Nos.			Each	

61	Providing and fixing 650mmx120mm glass shelf with C.P. brass brackets and guard rail complete. Fixed to wooden plugs with C.P. brass screws, including carriage of material up to all leads and lifts and as per the direction of Engineer-in-Charge.	1	Nos.			Each	
62	Providing and fixing CP Brass toilet paper holder : including carriage of material up to all leads and lifts and as per the direction of Engineer-in-Charge.	1	Nos.			Each	
63	Providing and fixing charonium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts :-	1	Nos.			Each	
64	Providing and fixing charonium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts :-	1	Nos.			Each	
65	Providing and fixing C.P. Brass bib tap (superior or heavy type) :- 15 mm dia including carriage of materials within all leads and lifts :-	4	Nos.			Each	
66	Providing and fixing C.P. Brass pillar tap with Capstan head, 15 mm dia including carriage of materials within all leads and lifts :-	1	Nos.			Each	
67	Providing and fixing Brass stop cock: 15mm dia including carriage of materials within all leads and lifts :-	1	Nos.			Each	
68	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts :-	1	Nos.			Each	
69	Providing and fixing PVC Connection with Brass unions a)300/450mm length including carriage of materials within all leads and lifts :-	1	Nos.			Each	
70	Providing and fixing brass full way valve with wheel including carriage of materials within all leads and lifts :-	1	Nos.			Each	
71	Providing and fixing PVC waste pipe flexible (coil type) length not less than 800mm.)32mm dia, including carriage of materials within all leads and lifts :-	2	Nos.			Each	

72	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :	1	Nos.				Each	
73	Inside size 800 mm x 800 mm and 1000 mm deep including C.I. cover with frame. (Light duty single seal: Pattern 1) 455 mm x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg. and weight of frame 15 Kg):- With 200 mm thick walls of brick masonry using common burnt clay building bricks in cement mortar 1 : 3 (1 cement :3 sand). including carriage of materials within all leads and lifts :-	1	Nos.				Each	
74	Providing and installing Mono Block Electric pump 2Hp single phase of Kirloskar make or equivalent including fixing complete as per HPPWD. Specification of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transposition with in all leads and lifts and as per direction of Engineer in Charge.	1	Nos.				Each	
75	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	5	Nos.				Each	
76	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	2	Nos.				Each	
77	Supplying and fixing precast RCC cover with frame for gully trap 300mm x 300 mm complete as per HPPWD. Specification of 1990 volume -I including carriage of materials, labour, tool and plant through all modes of transposition with in all leads and lifts and as per direction of Engineer in Charge	1	Nos.				Each	

SCHEDULE OF QUANTITY

Name of Work: - Improvement of Kanauri Shyapria to Samyari Road Km. 2/765 (SH:- Construction of R-wall at Rd. 0/445 to 0/455)

Estimated Cost: - Rs 327931 /- **Earnest Money:** - Rs. 7000 /-only
Time: - Twelve One Month

S. No.	Sub head and items of work	Qty.	Rate		Unit	Amount
			figures	In words		
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per drawing and Technical Specification Clause 1603.1 and other deleterious materials and disposal upto all leads and lifts as per MORD specification directed by Engineer-in Charge.	14.30 Cum			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 all leads and lifts dressing of sides and bottom and backfilling in trenches with excavated suitable material as per MORD specification directed by Engineer-in-Charge.	36.60 Cum			Per cubic metre	
3	Providing and Laying cement concrete for plain / reinforced conc. In open foundation complete as per drawing and technical specification clause-802, 803, 1202 & 1203 in Cement Concrete 1:5:10 (1 Cement : 5 sand: 10 graded stone Aggregate 40 mm nominal mix). Including carriage of material upto all leads and lifts as per the directions of Engineer-in-Charge.	84.40 Cum			Per cubic metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8, (I) Granular material, Including carriage of material within all leads upto leads as per the direction of Engineer-in-Charge.	15.60 Cum			Per cubic metre	
5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full with of the structures with slop of 1(V):20(H) towards drawing face complete as per drawing and technical specification . Including carriage of material upto all leads and lifts as per the direction of Engineer-in-Charge.	57.65 Rmt.			Per Running Metre	
0					Total:	

Note : (i) All the material will procured by the contractor him self.

Executive Engineer,
 Samyari Rural Division
 P.O. Dhanu, 2

SCHEDULE OF QUANTITY

Name of Work:- Improvement of Kanauri Shyapria to Samyari Road Km. 2/765 (SH:- Construction of R-wall at Rd. 0/285 to 0/300 and 0/420 to 0/430)

Estimated Cost:- Rs 371225 /-
Earnest Money :- Rs. 7000 /-only
Time:- Two Month

S. No.	Sub head and items of work	Qty.	Rate		Unit	Amount
			figures	In words		
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per drawing and Technical Specification Clause 1603.1 and other deleterious materials and disposal upto all leads and lifts as per MORD specification directed by Engineer-in-Charge.	16.50 Cum			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 all leads and lifts dressing of sides and bottom and backfilling in trenches with excavated suitable material as per MORD specification directed by Engineer-in-Charge.	31.55 Cum			Per cubic metre	
3	Providing and Laying cement concrete for plain / reinforced conc. In open foundation complete as per drawing and technical specification clause-802, 803, 1202 & 1203 in Cement Concrete 1:5:10 (1 Cement : 5 sand: 10 graded stone Aggregate 40 mm nominal mix). Including carriage of material upto all leads and lifts as per the directions of Engineer-in-Charge.	95.70 Cum			Per cubic metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8, (I) Granular material, Including carriage of material within all leads upto leads as per the direction of Engineer-in-Charge.	23.10 Cum			Per cubic metre	
5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slop of 1(V):20(H) towards drawing face complete as per drawing and technical specification . Including carriage of material upto all leads and lifts as per the direction of Engineer-in-Charge.	55.45 Rmt.			Per Running Metre	
0	Total:					

Note : (i) All the material will procured by the contractor him self.

Executive Engineer,
Shimoga Rural Division
MND, Distant.

Draft SCHEDULE OF QUANTITY

Draft Schedule of Quantity						
Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	
Sr.No. 1 Name of work:-A/R & M/O to Galog Nehra Okhru road KM 0/0 to 12/00(SH:-C/O B/wal; at KMs 4/570 to 4/615 & 4/907 to 4/912).						
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all lead and lift as per Technical Specification Clause 1603.1(one six zero three point one) and MORD specification including carriage of all labour equipment and materials to various location of site through all modes of transportations in all lead, lift and all incidental charges. all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock work shall be executed with chiseling, wedging out rock, where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber super elevations and levels as shown on the drawing or as directed by the Engineer-in- Charge. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable cut materials in specified manners, trimming, filling of unevenness blindages and finishing of the road to specified dimensions as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with	50.000	m3	Per Cubic meter		
2	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling / wedging out rocks (where blasting is prohibited). Dimesions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the	35.500	m3	Per Cubic Meter		
3	Providing and Laying cement concrete 1:5:10 (one cement isto five sand isto ten graded stone aggregate 40mm) and mechanical mixed, vibrated and curing complete including the cost of farmwork for plain concrete in retaining walls, breast walls, the size of plum should be 150 to 300 mm as per drawing and HP.PWD technical / MORD specifications 800 & 1200 (eight zero zero & one two zero zero) & as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	129.500	m3	Per Cubic Meter		
				Estimated C	489294.00	
				Earnest Mor	9800.00	
				Time limit :-	Two Month.	

Draft SCHEDULE OF QUANTITY

Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
			Figure \$	Words	
Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	130.20	met Per Met			

Executive Engineer
 Shimla Rural Division
 HPPWD, Dharmi

Schedule Of Quantity

Name of Work :- C/O link road from Chebri to Pipplughat km. 0/00 to 3/750 (SH:- C/O wire crate R/wall at Rd. 1/470 to 1/530)

Estimated Cost:- 4,72,522.00

Earnest Money:- 9500.00

Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge.	72.00	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge (For Structure as per drawing)	42.00	Cum			Per cubic metre	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I wire conforming to IS:280 and IS:4826 in 100mmx100mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 Kg each as per drawing and technical specification Clause 1301 as per direction of Engineer-in-charge	172.80	Cum			Per cubic metre	
		Total Rs.					

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dhamsi. *[Signature]*

Schedule Of Quantity

Name of Work :- C/O link road from Chebri to Pipulghat km. 0/00 to 3/750 (SH:- C/O wire crate R/wall at Rd. 1/410 to 1/460)

Estimated Cost:- 3,93,768.00
Earnest Money:- 7500.00
Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate In figures	In words	Unit	Amount
		3	4				
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	60.00	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge. (For Structure as per drawing)	35.00	Cum			Per cubic metre	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I wire conforming to IS:280 and IS:4826 in 100mmx100mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 Kg each as per drawing and technical specification Clause 1301, as per direction of Engineer-in-charge.	144.00	Cum			Per cubic metre	
		Total Rs.					

Executive Engineer,
 Shimla Rural Division,
 HP, PWD, Dharmi. *SDM*

Draft SCHEDULE OF QUANTITY

Description of work

Draft Schedule of Quantity

Job No. 4.

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	
Sr.N	Name of work:- Restoration of rain damages on Judicial Academy Chandal(SH:-C/O R/wall at open Air Theater) Rd 0/00 to 4/00			Estimated C		499384.00
0.				Earrest Mor		10000.00
				Time limit :		Two Month.
1	Demolition of stone Rubble masonry by manually mechanical means above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead. including carriage of all labour, equipment and material to various location through all modes of transportation in all leads and lift, including all incidental charges.	48.00	m ³	Per Cubic meter		
2	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth in Retaining wall breast wall including raking out joints in Cement Mortar 1:3 (one cement isto three sand) as per H.P.P.W.D. Specification 1990 volume- 1, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	12.800	m ³	Per cubic meter		
3	Providing and laying cement concrete work 1:2:4 (one cement: two sand: four graded stone aggregate 20mm (twenty millimeter) nominal size) in walls and reventment walls (any thickness but not less than 0.10 meter thickness), and curing complete excluding cost of form work and reinforcement as per H.P.P.W.D. specification, including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.	48.000	m ³	Per cubic meter		
4	Providing for steel reinforcement for reinforced cement concrete work including bending binding and placing in position including cost of binding wire complete as per structural drawing in all floors up to all heights and levels, as per direction of Engineer-in-Charge and as per H.P.P.W.D. Specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	864	Kg	Per Kilogram		
5	Providing and laying red sand stone slab in treads and risers of steps on a bed of 20 mm thick cement mortar 1:4(one cement four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab i.e. preparing of nosing i.e. rubbing and granite polish finish complete excluding cost of form work and reinforcement as per H.P.P.W.D. specification, including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.	10.570		Per Sqm meter		
6	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 160mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MOKD technical specification clause 614. 709. 1204.3, 761x hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	32.00	metr	Per Met er		

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
Draft Schedule of Quantity						
Sr.No	Name of work:-R.R.Damages on Hiranagar to Jutog road KM 0/00 to 1/240(SH:-C/O R/wall in KM 0/425 to 0/446).					Estimated Cost 498375.00 Earnest Money 10000.00 Time limit : Two Month.
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all lead and lift as per Technical Specification Clause 1603.1(one six zero three point one) and MORD specification including carriage of all labour equipment and materials to various location of site through all modes of transportations in all lead, lift and all incidental charges. all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock work shall be executed with chiseling, wedging out rock, where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber super elevations and levels as shown on the drawing or as directed by the Engineer-in-Charge. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable cut materials in specified manners, trimming, filling of unevenness blindages and finishing of the road to specified dimensions as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with	23.520	m3	Per Cubic metre		
2	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling / wedging out rocks (where blasting is prohibited). Dimensions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the	35.700	m3	Per Cubic Metre		
3	Providing and Laying cement concrete 1:5:10 (one cement isto five sand isto ten graded stone aggregate 40mm) and mechanical mixed, vibrated and curing complete including the cost of farmwork for plain concrete in retaining walls, breast walls, the size of plun should be 150 to 300 mm as per drawing and HP.PWD technical / MORD specifications 800 & 1200 (eight zero zero & one two zero zero) & as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other	132.720	m3	Per Cubic Metre		
4	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) , including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	25.20	m3	Per Cubic Metre		

Draft SCHEDULE OF QUANTITY

Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
			Figures	Words	
<p>providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.</p>	30.00	met Per Met			

Executive Engineer
Shimla Rural Division
HP
D. Dhani

Schedule Of Quantity

Name Of Work :- R/R damages on Banooti Pahal road Km. 0/00 to 16/00 (SH:- C/O R/wall at Rd. 1/450 to 1/470)

Estimated Cost:- 3,47,060.00
Earnest Money:- 6900.00
Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	30.4	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge. (For Structure as per drawing)	24	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	90.20	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-in-Charge.	19.20	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	40.00	Rmt.			Per Running Metre	
		Total Rs.					