

## HPPWD TENDER

Sealed item rate tenders are hereby invited by the Executive Engineer, Sundernagar Division, H.P.P.W.D. Sundernagar on behalf of Governor of H.P. for the below noted works from eligible contractors registered in HPPWD in appropriate class so as to reach in this office on or before **10.10.2022** upto 11.00 AM and the same will be opened on the same day at 11:30 AM in the presence of the contractors or their authorized representatives who may be present. The applications for issue of tender form shall be received upto 12:00 Noon on **07.10.2022**.

The tender shall accompany with earnest money which should be in shape of NSC/ Time deposit/ saving bank account in the post office/ Bank in HP duly pledged in favour of the Executive Engineer, Sundernagar Division, H.P.P.W.D. Sundernagar. Conditional tenders, telegraphic tenders and tenders without earnest money will not be entertained. The executive Engineer reserves the right to accept or reject the tenders. The tender shall remain valid for 75 days from the date of opening of tenders.

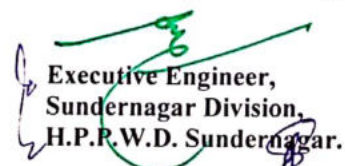
Sr. No.	Name of work	Estimated cost (Rs.)	Earnest Money	Tender Cost	Time
1	Improvement of black spot on Bhawana Maloh road KM 0/0 to 10/0 (SH: Providing and fixing "W" metal beam crash barrier at RD 3/275 to 3/327)	215672	4500	350	Two Month
2	C/o Car Parking near Lalit Chowk at Sundernagar, Distt. Mandi (HP) (SH: P/F railing at Level 893) Job No.II.	438219	9000	350	Two Month
3	A/R & M/O on construction of Jarol to Tharu road Km 0/0 to 3/0 under Suket Sub Division HPPWD Sundernagar (SH: Preparation of Forest diversion case with digital plan i/c online submission of compensatory afforestation maps of forest case)	117000	2500	350	Six Month
4	C/o Degree College building at Dehar (SH: C/o approach road)	499490	10000	350	Three Month
5	C/o Guest house in the premises of Govt. Polytechnic College at Sundernagar (SH: P/F HPL wall cladding in outer side of building ) Job-1.	489156	10000	350	Two Month
6	Improvement of black spot on Khurahal to Kandar road KM 0/0 to 4/500 (SH: Providing and fixing "W" metal beam crash barrier at RD 1/594 to 1/684)	498859	10000	350	Three Month
7	RRD on various roads in Bharjwanoo Section under Suket Sub Division (SH: Removal of slips and land slide in various reaches)	276179	6000	350	Two Month
8	RRD on Pandar Tattapani road Km 0/0 to 10/0 (SH: Hiring of JCB for removal of slips and road side debris in various RDs).	243960	5000	350	Two Month
9	RRD on various roads under PIU Sub Division HPPWD Dehar (Dhawal section) (SH: Hiring of JCB for removal of slips and road side debris in various RDs).	176550	4000	350	Two Month
10	C/o Link road between Koldam (Right Bank) to Ropa-Ahan KM 0/0 to 0/400 (SH: C/o R/wall and providing and fixing "W" metal beam crash barrier at RD 0/032 to 0/048) NTPC Deposit.	480691	10000	350	Three Month
11	RRD on various roads under PIU Sub Division HPPWD Dehar (Dehar Section) (SH: Hiring of Tipper for carriage of different material)	167750	4000	350	Two Month
12	A/R & M/O on Bhawana Maloh road KM 0/0 to 10/0 (SH: C/o B/wall at RD 0/290 to 0/298.50)	98316	2000	350	One Month
13	A/R & M/o on Alsoo to Sohar via Jambla road Km 0/0 to 8/900 and Bhantrahar to Pathkan road KM 0/0 to 3/200 (SH: P/L Gr-II for correction layer and repair of pot holes in Alsoo Jambla road Km 7/480 to 8/300 and Bhantrahar to Pathkan road KM 1/015 to 2/760)	498332	10000	350	Two Month
14	C/o Link road from Ghata to Bari KM 0/0 to 0/300 (SH: C/o R/wall at RD 0/120 to 0/126 and 0/154.75 to 0/159.75) BASP Deposit .	1,99,612	4000	350	Two Month
15	C/o Car Parking near Lalit Chowk at Sundernagar, Distt. Mandi (HP) (SH: P/F railing at Level 896) Job No.II.	438219	9000	350	Two Month



16	A/R & M/O on NH-21 CMM road KM 173/900 to 178/330 (SH: Providing and laying interlocking concrete block pavement on LHS at RD 174/308 to 174/337)	499363	10000	350	Two Month
17	RRD on various roas under PIU Sub Division HPPWD Dehar (Dhawal Section) (SH: Hiring of Tipper for carriage of different material)	167750	3500	4000	Two Month
18	A/R & M/O 63.00 mtr span PSC box girder bridge over Saul Seri Khad at Km 2/585 Tehsil Sundernagar, Distt. Mandi (HP) (SH: Painting and priming coat).	88731	2000	350	One Month
19	RRD on various roads under PIU Sub Division HPPWD Dehar (dhawal Section) (SH: Hiring f JCB for removal of slips and road side debris in various RDs)	176550	3600	350	Two Month
20	RRD on various roads in Local Section-II under Suket Sub Division (SH: Removal of slips and land slide in various reaches)	271433	5500	350	Two Month
21	C/o Car Parking near Lalit Chowk at Sundernagar, Distt. Mandi (HP) (SH: P/F railing at stair case in 890 to 893, 8933 to 896 and 896 to 899 Level and 10mm plate over expension joint at Level 899, 896,893 and 890)	443377	9000	350	Two Month
22	Improvement of black spot on Bhawana Maloh road KM 0/0 to 10/0 (SH: Providing and fixing "W" metal beam crash barrier at RD 1/435 to 1/462 & 1/561 to 1/587)	221055	5000	350	Two Month
23	Improvement of black spot on Slapper to Serikothi road Km 0/0 to 15/500 (SH: Providing and fixing "W" metal beam crash barrier at RD 6/200 to 6/300)	498320	10000	350	Two Month
24	C/o link road from Ropa to Padhana Km 0/0t o 2/500 (SH: C/o Prov. and laying earthen shoulder at RD 1/0 to 2/500)	111258	2500	350	Two Month
25	C/o Link road between Koldam (Right Bank) to Ropa-Ahan KM 0/0 to 0/400 (SH: C/o R/wall and providing and fixing "W" metal beam crash barrier at RD 0/048 to 0/064) NTPC deposit.	481853	10000	350	Three Month
26	RRD on Jachh Pressi Pangna road Km 0/0 to 20/0 (SH: C/o R/wall at RD 9/710 to 9/718.50)	499120	10000	350	Two Month
27	C/o Degree College building at Dehar (SH: C/o site development).	499535	10000	350	Two Month
28	RRD on Kateru Slapper via Paurakothi road KM 0/0 o 16/0 (SH: Hiring of JCB for removal of slips in Km 0/0 to 16/0)	149800	3000	350	One Month
29	RRD on Dhawal to Batwara road Km 0/0t o 11/0 (SH: Hiring of JCB for removal of slips and roads ide debris in Km 0/0 to 11/0)	224700	4500	350	Two Month
30	A/R & M/O on NH-21 CMM road KM 173/900 to 178/330 (SH: Providing and laying interlocking concrete block pavement on LHS at RD 174/337 to 174/370)	499503	10000	350	Two Month
31	RRD on Nihri road KM 0/0 to 10/0 (SH: Hiring of Tipper for carriage of different material in various KMs).	152500	4500	350	Two Month
32	RRD on Samon Tihri road KM 0/0 to 8/870 (SH: Removal of slips and land slides in various reaches in KM 4/960 to 8/870)	480848	10000	350	Two Month
33	Improvement of blind curves on slapper Kandar road KM 0/0 to 4/500 (SH: Improvement of curve at RD 2/620 to 2/678)	99525	2000	350	One Month
34	RRD on Kalahod Jhore via Patrahan road Km 1/0 to 5/500 (SH: Removal of slips, maintenance of earthen shoulders and construction of unlined surface drain at RD 1/0 to 5/500).	166310	3500	350	Two Month
35	Restoration of Dehar Triphalghat road Km 0/0 to 14/0 (SH: Removal of slips and C/o unlined surface drain at various reaches)	498560	10000	350	One Month
36	C/o Link road between Koldam (Right Bank) to Ropa-Ahan KM 0/0 to 0/400 (SH: C/o U-shape drain at RD 0/305 to 0/400)	154108	3200	350	Two Month
37	A/R & M/O Sundernagar Circular road KM 0/0 to 7/630 (SH: Removal of slips , maintenance of earthen shoulder and clearance of unlined drain in various RDs)	99930	2000	350	One Month

38	RRD on Jachh Pressi Pangna road Km 0/0 to 20/0 (SH: C/o R/wall at RD 9/718.50 to 9/727)	499036	10000	350	Three Month
39	C/o Guest house in the premises of Govt. Polytechnic College at Sundernagar (SH: P/F HPL wall cladding in outer side of building) Job-II.	489156	10000	350	Two Month
40	Improvement of black spot on Sundernagar Batwara road Soul Pul to Dhawal KM 0/0 to 31/0 (SH: Providing and fixing "W" metal beam crash barrier at RD 7/760 to 7/820).	479997	10000	350	Three Month
41	RRD on Shimla Mandi road KM 135/0 to 146/0 and on Pandar Tattapani road KM 0/0 to 32/0 (SH: Removal of slips, C/o unlined surface drain and maintenance of earthen shoulders at various reaches)	492900	10000	350	One Month
42	Restoration of rain damages on Jachh Pressi Pangna road Km 0/0 to 20/0 (SH: Removal of slips and C/o unlined surface drain at KM 10/0 to 16/0).	136500	3000	350	One Month

Certified that the above works are of urgent nature and require to be executed immediately in the larger public interest.

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

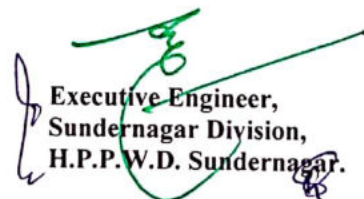
No: - PW/SNR-E-Tender/Giriraj/2022-

14349-70

Dated: 30.09.2022

Copy forwarded to the following for information and publicity:

1. The Superintending Engineer, 1st Circle H.P.P.W.D. Mandi.
2. The Executive Engineer (I.T) O/o Engineer-in-Chief, HPPWD Shimla (HP) [eeict-pwd-shi@hp.gov.in](mailto:eeict-pwd-shi@hp.gov.in) for uploading the NIT on departmental website please.
3. All the Assistant Engineers working under this Division.
4. Various Contractors working under Sundernagar Division.
5. Notice Board.

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



## SCHEDULE OF QUANTITY

Estimated Cost Rs. 2,15,672/- only  
Earnest Money Rs. 4500/- only  
Time :- Three months.

Name of work :- Improvement of black spot on Bhawana Match Road km 0/00 to 10/00 (SH- Providing and fixing W metal beam Crash barrier at RD- 3/275 to 3/327)

Sr. No.	Description of items.	Quantity	Rates		Unit	Amount
			Figure	Words		
1	2	3	4	5	6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	3.64 cum			Per Cubic Metre	
2	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	3.60 cum			Per Cubic Metre	
3	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm (one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	52.00 Rmt			Per Running Metre	
					Total	

  
**Executive Engineer,**  
Sunder Nagar Division,  
HPPWD Sunder Nagar




## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,38,219/- only  
Earnest Money: Rs 10,000/- only  
Time : Two months

**Name of Work :-** Construction of Car Parking near Lalit Chowk at Sundernagar distt. Mandi (HP) (SH:- Providing and fixing Railing at 893 LVL) Job- II

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. M.S. tube including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge.	1746.11 kg			Per kilo gram	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete upto all floor level including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge.	1627.88 kg			Per kilo gram	
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coat on new work. including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge.	88.20 sqm			Per square metre	
4	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete. Fastener with threaded dia 10 mm including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge.	168.00 No			Each	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar.



# SCHEDULE OF QUANTITY

Estimated Cost: 1,17,000 /- only  
Earnes Money: 2,500/- only

Time: Three month

Name of work:- A/R & M/O on Construction of Jarol to Tharu road km. 0/0 to 3/00 under Suket Sub Division HPPWD Sundernagar (SH:-Preparation of Forest Diversion Case with Digital Plan i/c Online submission and compensatory afforestation maps of Forest cases) .

Sr.No.	Description	Quantity	Rates		Unit	Amount
			Figure	Words		
1	Preparation of Forest Diversion case Under Forest Conservation Act-1980 including preparation of essential papers of land falling on the road alignment and collection of other field data. and all relevant documents/ formats mandatory required would be attached with the case as per latest requirement of Ministry of Environment and forest conservation Govt. of India after getting the joint inspection/ site including computer typing in 6 copies, binding complete including online submission and getting it through from Nodal Officer forest Department Shimla and after that hard copies getting it through from HP,PWD, Sub-Division Suket, HP,PWD Division Sunder Nagar Office of Range Officer , Office of D.F.O. Sunder Nagar and office of Conservator of Forest Department Mandi Nodal Officer Shimla including attending all the observations, if raised, at any time by any office and to prepare the same by neatly and accurately filling in all the formats/ Documents complete with Geo reference / Digital map Global positioning system Coordinates collection from site including preparation of KMLs files, online submission of forest with scanning of all paper in PDF files as per requirement and as per direction of Engineer- in - charge .					
i	SH:- Preparation of of Forest Diversion case and online submission .	3.00	km		Per kilo metre	
ii	SH:- Preparation of Georeferenced Landuse Digital Road Map.	3.00	km		Per kilo metre	
iii	SH:- Preparation of survey of India Toposheet Road map .	3.00	km		Per kilo metre	
iv	SH:- Preparation of Georeferenced Landuse Digital compensatory afforestation map .	3.00	km		Per kilo metre	
v	SH:- Preparation of Digitization of survey of India Toposheet compensatory afforestation map .	3.00	km		Per kilo metre	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar




# **SCHEDULE OF QUANTITY**

Estimate Cost :Rs. 4,99,490/-only  
Earnest Money: Rs. 10,000/- only  
Time : Two Month

**Name of work :-** C/o degree college building at Dehar ( SH:- C/o Approach road )

S.N	Sub Head and item of work	Quantity	Rate in		Unit	Amount
			Figure	words		
1	Excavation in soil in hill area in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper blasting work both in soft and hard rock with chiseling / wedging out side of rock ( where blasting is prohibited ) and their intermediate classification of soil including dewatering where required settingout to the required line grades, side slopes trimming bottom and level as shown on drawings as directed by the Enginner -in charge at site according to MORTH technical clause 1603.1 and 1603.2 sorting useful / un-useful materials and stacking the same in all leads and lifts and transportation of the useful materials for filling in roads ways, embankments for grades improvements and leveling to the require grade and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of trasportation including head load animal load or machnical means alongwith its leveling fine dressing and all labour, machinaries , materials , tools equipments and sefety measures and incidentals necessary to complete the work by all means ( if any required ) recovery for usefull stone of <b>166.16 cubic mete @ Rs. 300.00 per cubic mete amounting to Rs. 49,848/-</b> only shall be done on prorata basis for the quantity of cutting in earth work effected . Any loss to the public and private property during the course of excution shall be the absolute responsibility of the contrator , which shall have to be duly compensated by him in all respect including all leada and lifts and materials and as per direction of Enginer in charge .	2245.00 cum			Per cubic metre	
					Total	

  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**HPPWD Sunder Nagar.**




## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,89,156/- only  
Earnest Money: Rs 10,000/- only  
Time : Two months

**Name of Work :-** C/O Guest house in the permisses of Govt. Polytechnic collage at Sundernagar Distt Mandi (H.P) (SH:- P/F HPL Wall cladding in outer side of building) (Job-1)

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Providing and fixing in wall lining with f-quality exterior grade high-pressure laminates (fupl) panels of standard size with both side décor. oreo/ abet lamanatti/ poly grey cladage as per en 438-7, type EDF manufactured using patented technology (NT), panels are double hardened including acrylic polyurethane resin which is thermally cured under high pressure & high temperature. should be termite free, water resistant. in approved wooden shade with necessary fixing arrangement and screws etc. complete : 6mm ( six millimetre) thick including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	81.76 sqm			Per square metre	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar.

# SCHEDULE OF QUANTITY

Estimated Cost Rs. 4,98,859/- only  
Earnest Money Rs. 10,000/- only

Time :- Three month.

Name of work :- Improvement of ( BLACK SPOT ) Khurahhal to Kandar road km 0/00 to 4/500 (SH:- Providing and fixing "W" metal beam Crash barrier at RD 1/594 to 1/684)

Sr. No.	Description of items.	Quantity	Rates		Unit	Amount
			in Figure	in words		
1	2	3	4		6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	21.25 cum			Per Cubic Metre	
2	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications.PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	10.25 cum			Per Cubic Metre	
3	Plain cement concrete 1:3:6 (one cement : three coarse sand :six graded stone aggregate 20 mm ( twenty millimetre ) nominal size)nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.including carriage of materials with in all leads, lifts and other incidentals.	20.90 cum			Per Cubic Metre	
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm(one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 ( with welding) including carriage of materials with in all leads, lifts and other incidentals.	90.00 Rmt			Per Running Metre	
					Total	

Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D. Sunder Nagar.



## SCHEDULE OF QUANTITY

Estimate Cost: Rs.2,76,179/- only  
Earnest Money: Rs 6,000/- only

Time : One month

**Name of Work :-** RRD on various roads in Bhariwanoo section under Suket Sub division (SH:- Removal of slips land slides in various reaches )

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in any lift and lead upto 100 m as per technical specification 302.3.5 and 1611 as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	3068.65 cum			per cubic metre	
					Total	

  
**Executive Engineer,**  
Sunder Nagar Division,  
HPPWD Sunder Nagar.

### SCHEDULE OF QUANTITY

**Estimated Cost Rs. 243960/- only**

**Earnest Money Rs.5000/- only**

**Time:** Two months

Name of Work :-	Time :	TV
R.R.D on Pandar Tattapani road KM 0/00 to 10/00 (SH:-Hiring of JCB for removal of Slips and road side debris in various RDs.)		

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in word	in figure		
1	Hiring of JCB /excavator for removal of slips and boulder in all kinds of soil including rocky portion and saturated and disposing of all excavated earth or un-serviceable materials from the road surface up to any leads and lifts as per direction and entire satisfaction of Engineer- in charge. The machine/JCB should work minimum 7.00 hours from 9.00A.M to 5.00 P.M. daily and remove at least 25.00 cum. Quantity of slips per hour. Any loss to the public/private property of any accident etc. happened during the course of hiring period execution shall be absolute responsibility of the JCB/excavator owner which shall have to be fully compensated by him in all cases the fuel and operational staff for excavator will be provided by the owner, the repair and spare watch and ward of excavator also be borne by the contractor /owner. The daily log book will be maintained at site which should be dully verified by the Engineer-in charge.	228.00	Hours		Per Hours	
<b>Total:-</b>						

  
Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D. Sunder Nagar,  
Hr.



## SCHEDULE OF QUANTITY

Estimated Cost Rs. 1,76,550/- only

Earnest Money Rs.3600/- only

Time : Two months

(SH:-)

**Name of Work :- RRD on various roads under PIU Sub Division HP PWD Dehar ( Dhawal Section )**  
**Hiring of JCB for removal of Slips and road side debris in various RDS.)**

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in word	in figure		
1	Hiring of JCB /excavator for removal of slips and boulder in all kinds of soil including rocky potion and saturated and disposing of all excavated earth or un-serviceable materials from the road surface up to any leads and lifts as per direction and entire satisfaction of Engineer- in charge. The machine/JCB should work minimum 7.00 hours from 9.00A.M to 5.00 P.M. daily and remove at least 25.00 cum. Quantity of slips per hour. Any loss to the public/private property of any accident etc. happened during the course of hiring period execution shall be absolute responsibility of the JCB/excavator owner which shall have to be fully compensated by him in all cases the fuel and operational staff for excavator will be provided by the owner, the repair and spare watch and ward of excavator also be borne by the contractor /owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in charge.	165.00	Hours		Per Hours	
				Total:-		

  
 Execut. Engineer  
 Sub-Division  
 HP PWD

## SCHEDULE OF QUANTITY

Estimated Cost Rs. 4,80,691/- only

Earnest Money Rs. 10,000/- only

Time :- Three month.

Name of work :- C/o Link road between Kol dam (Right Bank) to Ropa - Ahan km 0/00 to 0/400 (SH:- C/o R/wall and Providing and fixing "W" metal beam Crash barrier at RD 0/032 to 0/048) NTPC Deposit

Sr. No.	Description of items.	Quantity	Rates		Unit	Amount
			Figure	Words		
1	2	3	4	5	6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	49.52 cum			Per Cubic Metre	
	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications.PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	2.00 cum			Per Cubic Metre	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor all level, excluding the cost of centering, shuttering and finishing: 1:5:10 (one cement : six coarse sand : ten graded stone aggregate) 40 mm ( forty millimetre ) nominal size and curing complete including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	90.99 cum			Per Cubic Metre	
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm(one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	14.00 Rmt			Per Running Metre	



*[Signature]*  
Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D. Sunder Nagar.

### SCHEDULE OF QUANTITY

**Estimated Cost Rs. 1,67750/- only**

**Earnest Money Rs.3500/- only**

**Time :- Two months**

**(SH:-**

**Name of Work :- RRD on various roads under PIU Sub Division HP PWD Dehar (Dehar Section ) Hiring of Tipper for carriage of different material ) .**

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in word	in figure		
1	Hiring of Tipper for carriage/ disposal of debris to dumping site of work with lift to suitable place with in all leads and lifts to the entire satisfaction of the Engineer-in Charge . The Tipper should work minimum 9.00 AM to 5.00 PM daily any loss to the public/ private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the Tipper owner which shall have to be fully compensated by him in all cases the fuel and Tipper driver and lodging & boarding of operational staff will be provided by the Tipper owner the repair and spare including watch and ward of Tipper also borne by the contractor /owner. The daily log book will be maintained at site which should be dully verified by the Engineer-in charge.	55.00 Days			Per day	
Total:-						

**Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D. Sunder Nagar**



# SCHEDULE OF QUANTITY

Name of Work :- A/R & M/O on Bhawana to Maloh road km 0/0 to 10/000 (SH:- C/o B/ wall at RD. 0/290 to 0/298.50)

Estimate Cost: Rs. 98,316/- only  
Earnest Money: Rs 2,000/- only  
Time : One months

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work within all leads, lifts and carriage of materials and other incidentals.	11.05 cum			Per Cubic metre	
2	Providing and Laying concrete for plain/reinforced concrete P.C.C. nominal mix 1:5:10 (one cement : five sand ten graded crushed stone aggregate) 40mm (fortymillimetre) nominal size in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 within all leads, lifts and carriage of materials and other incidentals.	22.78 cum			Per Cubic metre	
3	Providing weep hole in brick masonry / stone masonry / plain reinforced concrete abutment wing wall return wall with 100 mm (one hundred millimetre) dia PVC pipe extended through the full width of the structures with slope of 1 (V) : 20 (H) towards drawing face complete as per drawing and technical specification clause 614, 709 & 1204.3.7 within all leads, lifts and carriage of materials and other incidentals.	8.00 Nos			Each	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar.

# SCHEDULE OF QUANTITY

Estimated cost Rs. 4,98,332/- only

Earnest Money Rs.10,000/- Only

Time : Three Months

Name of work :- A/R & M/O on Alsoo to Sohar via Jambha road km 0/00 to 8/90 & Bhantrahar to Pathkan road 0/00 to 3/200 (SH:- P/L Gr.-II for correction layer and Repair of the pot holes in Alsoo Jambha road km 7/480 to 8/300 & Bhantrahar to Pathkan road km 1/015 to 2/760 )

S.No	Description of items	Quantity	Rate		Unit	Amount
			in figure	in word		
1	Providing and laying spreading and compacting crushed stone aggregate of specific sizes 63 to 45 mm ( sixty three to forty five millimeter ) too water bound macadam specification including spreading and rolling with smooth wheel roller 80-100 KN in stages to proper grade and camber applying /binding materials to fill up the interstices of course aggregate watering and compacting to the required density <b>grading II</b> as per technical specification clause 405. including all leads, lifts of material and other incidentals.	15.58 cum			Per cubic metre	
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2,503 and 508.1. including all leads, lifts of material and other incidentals.	2077.50 sqm			Per Square metre	
Term & condition :- The bitumen will be provided by the department free of cost to the contractor .					Total	

*del*  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**P.P.W.D. Sunder Nagar.**




## SCHEDULE OF QUANTITY

Name of Work :- Link road from Chatta to Bari km 0/00 to 0/300 (SH:-C/o R/ wall at RD. 0/120 to 0/126 & 0/154.75 to 0/159.75 ) BASP Deposit work

Estimate Cost: Rs. 1,99,612/- only  
Earnest Money: Rs 4,000/- only

Time : Three months

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work within all leads, lifts and carriage of materials and other incidentals.	19.75 cum			Per Cubic metre	
2	Providing and Laying concrete for plain/reinforced concrete P.C.C. nominal mix 1:5:10 (one cement : five sand ten graded crushed stone aggregate) 40mm (forty millimeter) nominal size in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 within all leads, lifts and carriage of materials and other incidentals.	44.83 cum			per Cubic metre	
3	Back filling with stone behind abutment, wing wall and return wall complete as per drawing and technical specification clause 1204.3.8 stone/ granular material within all leads, lifts and carriage of materials and other incidentals.	7.22 cum			per Cubic metre	
4	Providing weep hole in brick masonry / stone masonry /plain reinforced concrete abutment wing wall return wall with 100 mm ( one hundred millimetre ) dia PVC pipe extended through the full width of the structures with slope of 1 (v) :20 (H) towards drawing face complete as per drawing and technical specification clause 614.709& 1204.3.7 within all leads, lifts and carriage of materials and other incidentals.	20.00 Nos			Each	
					Total	

  
**Executive Engineer,  
Sunder Nagar Division,  
H.P.W.D. Sunder Naidu**

## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,38,219/- only  
Earnest Money: Rs 10,000/- only

Time : Two months

**Name of Work :-** Construction of Car Parking near Lalit Chowk at Sundernagar distt. Mandi (HP) (SH:- Providing and fixing Railing at 896 LVL) Job- II

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. M.S. tube including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	1746.11 kg			Per kilo gram	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete upto all floor level including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	1627.88 kg			Per kilo gram	
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coat on new work. including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	88.20 sqm			Per square metre	
4	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete. Fastener with threaded dia 10 mm including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	168.00 No			Each	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar



## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,99,363/- only  
Earnest Money: Rs 10,000/- only  
Time : Three months

Name of Work:- A/R & M/O on NH-21 CMM road km 173/900 to 178/330 ( SH:- Providing and laying of interlocking concrete block pavements on LHS side at RD.174/308 to 174/337)					
S. No.	Sub Head and item of work	Qty.	Rate in		Amount
			Figure	Ward	Unit
1	Earth work in excavation for foundation of structure up to 3mtr depth as per drawing and technical specification clause 1104 including setting out construction of shoring and bracing removal of stump and other deleterious material dressing of side and bottom and and backfilling in trenches with excavated suitable material ordinary soil within all leads , lifts and carriage of materials and other incidentals .	50.56 cum			per Cubic metre
2	Providing concrete for plain / reinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202 & 1203 P.C.C. grade M-10 nominal mix 1:3:6 (one cement : three sand :six graded stone aggregate 20mm (twenty millimeter ) within all leads , lifts and carriage of materials and other incidentals .	23.08 cum			Per Cubic Metre
3	Providing and laying heavy duty precast cement concrete inter locking paver blocks vibro compacted upto M- 50 grade i/c border or kurb block grey or coloured over sub-base of concrete with 25mm thick 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 80mm thick inter locking blocks within all leads , lifts and carriage of materials and other incidentals .	221.68 sqm			Per square Metre
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C. grade M 20 Nominal mix 1:2:4 (one cement : two sand : four graded stone aggregate ) within all leads , lifts and carriage of materials and other incidentals .	0.91 cum			Per Cubic Metre
					Total


  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**HPPWD Sunder Nagar.**

# SCHEDULE OF QUANTITY

Name of Work :- RRD on various roads under PIU Sub Division HP PWD Dehar ( Dhawal Section )  
Hiring of Tipper for carriage of different material ).

Estimated Cost Rs. 1,67,750/- only  
Earnest Money Rs.3500/- only  
Time : - Two months  
(SH:-

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in word	in figure		
1	Hiring of Tipper for carriage/ disposal of debris to dumping site of work with lift to suitable place with in all leads and lifts to the entire satisfaction of the Engineer-in Charge . The Tipper should work minimum 9.00 AM to 5.00 PM daily any loss to the public/ private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the Tipper owner which shall have to be fully compensated by him in all cases the fuel and Tipper driver and lodging & boarding of operational staff will be provided by the Tipper owner the repair and spare including watch and ward of Tipper also borne by the contractor /owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in charge.	55.00 Days			Per day	
Total:-						

  
Executive Engineer,  
Sunder Nigam Division,  
H.P.W.D. Sunder Nigam



# SCHEDULE OF QUANTITY

Name of Work :- ಕೆ.ಆರ್.ನಗರ  
63.00 mtr. Span PSC box girder Bridge over Saul Seri Khad at km 2/585 Tehsil Sundernagar Dist. Mandi HP.  
 (SH:- Painting and priming coat)

Estimate Cost: Rs. 88,731/- only  
 Earnest Money: Rs 2,000/- only  
 Time: one month

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	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, per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	191.34	sqm		Per square metre	
2	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	361.44	sqm		Per square metre	
3	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	191.34	sqm		Per square metre	
4	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	170.10	sqm		Per square metre	
					Total	

Executive Engineer  
Sunder Nagar Division  
H.P.R.W.D. Sunder Nagar

### SCHEDULE OF QUANTITY

Estimated Cost Rs. 1,76,550/- only

Earnest Money Rs.3600/- only

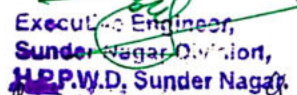
Time : Two months

(SH:-

Name of Work :- RRD on various roads under PIU Sub Division HP PWD Dehar ( Dhawal Section )

Hiring of JCB for removal of Slips and road side debris in various RDs. )

Sr. No.	Description of item	Qty.		Rate		Unit	Amount
				in word	in figure		
1	Hiring of JCB /excavator for removal of slips and boulder in all kinds of soil including rocky portion and saturated and disposing of all excavated earth or un- serviceable materials from the road surface up to any leads and lifts as per direction and entire satisfaction of Engineer- in charge. The machine/JCB should work minimum 7.00 hours from 9.00A.M to 5.00 P.M. daily and remove at least 25.00 cum. Quantity of slips per hour. Any loss to the public/private property of any accident etc. happened during the course of hiring period execution shall be absolute responsibility of the JCB/excavator owner which shall have to be fully compensated by him in all cases the fuel and operational staff for excavator will be provided by the owner, the repair and spare watch and ward of excavator also be borne by the contractor /owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in charge.	165.00	Hours			Per Hours	
Total:-							

  
 Executive Engineer,  
 Sunder Nagar Division,  
 H.P.W.D, Sunder Nagar



## SCHEDULE OF QUANTITY

Estimate Cost: Rs.2,71,422/- only  
Earnest Money: Rs 6,000/- only  
Time : One month

**Name of Work :-** RRD on various roads in local section -II under Suket Sub division (SH:- Removal of slips land slides in various reaches )

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Ward		
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in any lift and lead upto 100 m as per technical specification 302.3.5 and 1611 as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	3015.80 cum			per cubic metre	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
H.P.W.D Sunder Nagar.

## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,43,377/- only  
Earnest Money: Rs 10,000/- only

Time : Two months

**Name of Work :-** Construction of Car Parking near Lalit Chowk at Sundernagar distt. Mandi (HP) ( SH:- Providing and fixing Railing at stair case in 890 to 893 , 893 to 896 & 896 to 899 LVL. And 10mm plate over expansion joint at 899, 896, 893 & 890 LVL.)

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. M.S. tube including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	1577.85 kg			Per kilo gram	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete upto all floor level including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	1821.20 kg			Per kilo gram	
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coat on new work, including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	84.00 sqm			Per square metre	
4	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete. Fastener with threaded dia 10 mm including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	286.00 No			Each	
					Total	

*[Signature]*  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**HPPWD Sunder Nagar.**



## SCHEDULE OF QUANTITY

Name of work :- Improvement of black spot on Bhawana Maloh road km 0/00 to 10/00 (SH:- Providing and fixing 'W' metal beam Crash barrier at RD. 1/435 to 1/462 & 1/561 to 1/587)

Estimated Cost Rs. 2,21,055/- only  
Earnest Money Rs. 4500/- only  
Time :- Three months.

Sr. No.	Description of items.	Quantity	Rates		Unit	Amount
			Figure	Words		
1	2	3	4	5	6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	3.91 cum			Per Cubic Metre	
2	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	3.86 cum			Per Cubic Metre	
3	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm (one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	53.00 Rmt			Per Running Metre	
					Total	

  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**HPPWD Sunder Nagar**

# SCHEDULE OF QUANTITY

Estimated Cost Rs. 4,98,320/- only  
Earnest Money Rs. 10,000/- only  
Time :- Three month.

Name of work :- Improvement of ( BLACK SPOT ) Slapper to Serikothi road km 0/00 to 15/500 ( SH:- Providing and fixing 'W' metal beam Crash barrier at RD 6/200 to 6/300)

Sr. No.	Description of items.	Quantity	Rates		Unit	Amount
			Figure	4		
1	2	3	4		6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	16.86 cum			Per Cubic Metre	
2	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications.PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	11.36 cum			Per Cubic Metre	
3	Plain cement concrete 1:3:6 (one cement : three coarse sand :six graded stone aggregate 20 mm ( twenty millimetre ) nominal size)nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.including carriage of materials with in all leads, lifts and other incidentals.	11.55 cum			Per Cubic Metre	
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm(one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	100.00 Rmt			Per Running Metre	
					Total	

Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D, Sunder Nagar.



## SCHEDULE OF QUANTITY


Estimate Cost: Rs.1,11,258/- only

Earnest Money: Rs 2,500/- only

Time : Three months

**Name of Work:-** C/o link road from Ropa to Padhana km 0/00 to 2/500 (SH:- C/o Providing and laying earthen shoulder at RD. 1/00 to 2/500)

S. No.	Sub Head and item of work	Qty.	Rate In		Unit	Amount
			Figure	Word		
1	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 a lead of any metre, dressing of sides and bottom and backfilling in trenches with excavated suitable material Ordinary soil upto any metre within all leads, lifts and carriage of materials and other incidentals.	315.00 cum			Per Cubic metre	
					Total	

  
 Executive Engineer,  
 Sunder Nagar Division,  
 H.P.W.D. Sunder Nagar.

# SCHEDULE OF QUANTITY

Estimated Cost Rs. 4,81,853/- only  
Earnest Money Rs. 10,000/- only


Time :- Three month.

Name of work :- C/o Link road between Kol dam (Right Bank) to Ropa - Ahan km 0/00 to 0/400 (SH:-C/o R/wall and Providing and fixing 'W' metal beam crash barrier at RD 0/048 to 0/064) NTPC Deposit

Sr. No.	Description of items.	Quantit y	Rates		Unit	Amount
			Figure	Words		
1	2	3	4	5	6	7
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	48.40 cum			Per Cubic Metre	
	Plain/Reinforced Cement Concrete 1:2:4 (one cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications.PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	2.00 cum			Per Cubic Metre	
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor all level, excluding the cost of centering, shuttering and finishing: 1:5:10 (one cement : six coarse sand : ten graded stone aggregate) 40 mm ( forty millimetre) nominal size and curing complete including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge .	90.99 cum			Per Cubic Metre	
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm(one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	14.00 Rmt			Per Runnin g Metre	



5	Back filling with stone behind abutment, wing wall and return wall complete as per drawing and technical specification clause 1204.3.8 stone/ granular material within all leads, lifts and carriage of materials and other incidentals.	18.48	cum				per Cubic metre	
6	Providing weep hole in brick masonry / stone masonry /plain reinforced concrete abutment wing wall return wall with 100 mm ( one hundred millimetre ) dia PVC pipe extended through the full width of the structures with slope of 1 (v) :20 (h) towards drawing face complete as per drawing and technical specification clause 614.709& 1204.3.7 within all leads , lifts and carriage of materials and other incidentals.	28.00	Nos				Each	
							Total	


  
 Executive Engineer,  
 Sunder Nagar Division,  
 H.P.W.D. Sunder Nagar.

# SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,99,120/- only  
Earnest Money: Rs10,000 /- only  
Time : Three months

Name of Work :- RRD on Jachh Pressi Pangna road km 0/0 to 20/00 (SH:- C/0 R/wall at RD. 9/7/10 to 9/7/18.50)

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Stone masonry in cement mortar for foundation complete as per drawing and technical specification clause 702, 704, 1202 and 1204 (Random rubble masonry in cement mortar 1:6 (one cement : six sand) within all leads, lifts and carriage of materials and other incidentals.	103.67 cum			per Cubic metre	
2	Providing weep hole in brick masonry / stone masonry / plain reinforced concrete abutment wing wall return wall with 100 mm (one hundred millimetre) dia PVC pipe extended through the full width of the structures with slope of 1 (V) : 20 (H) towards drawing face complete as per drawing and technical specification clause 614, 709 & 1204.3.7 within all leads, lifts and carriage of materials and other incidentals.	20.00 Nos			Each	
3	Back filling with stone behind abutment, wing wall and return wall complete as per drawing and technical specification clause 1204.3.8 stone/ granular material within all leads, lifts and carriage of materials and other incidentals.	14.23 cum			Each	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
H.P.R.W.D. Sunder Nagar.




# SCHEDULE OF QUANTITY

Estimate Cost :Rs. 4,99,535/-only  
Earnest Money: Rs. 10,000/- only

Time : Two Month

Name of work :- C/o degree college building at Dehar ( SH:- Site development )

S.N	Sub Head and item of work	Quantity	Rate in		Unit	Amount
			Figure	words		
1	Excavation in soil in hill area in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper blasting work both in soft and hard rock with chiseling / wedging out side of rock ( where blasting is prohibited ) and their intermediate classification of soil including dewatering where required settingout to the required line grades, side slopes trimming bottom and level as shown on drawings as directed by the Engineer-in-charge at site according to MORTH technical clause 1603.1 and 1603.2 sorting useful / un-useful materials and stacking the same in all leads and lifts and transportation of the useful materials for filling in roads ways, embankments for grades improvements and leveling to the require grade and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of transportation including head load animal load or mechanical means alongwith its leveling fine dressing and all labour, machinaries, materials, tools equipments and safety measures and incidentals necessary to complete the work by all means ( if any required ) recovery for usefull stone of <b>164.50 cubic mete @ Rs. 300.00 per cubic mete amounting to Rs. 49,350/-</b> only shall be done on prorata basis for the quantity of cutting in earth work effected. Any loss to the public and private property during the course of excution shall be the absolute responsibility of the contrator, which shall have to be duly compensated by him in all respect including all leada and lifts and materials and as per direction of Engineer in charge .	2253.00 cum			Per cubic metre	
					Total	


  
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HPPWD Sunder Nagar.

## SCHEDULE OF QUANTITY

Name of Work :- RRD on Kateru Slapper via Paurakothi road km 0/0 to 16/00 (Sh:- Hiring of JCB for removal of Slips in km 0/00 to 16/00 )

Estimated Cost Rs. 1,49,800/- only  
Earnest Money Rs.3000/- only  
Time : One month

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in world	in figure		
1	Hiring of JCB /excavator for removal of slips and boulder in all kinds of soil including rocky potion and saturated and disposing of all excavated earth or un- serviceable materials from the road surface up to any leads and lifts as per direction and entire satisfaction of Engineer- in charge. The machine/JCB should work minimum 6.00 hours from 9.00A.M to 5.00 P.M. daily and remove at least 25.00 cum. Quantity of slips per hour. Any loss to the public/private property of any accident etc. happened during the course of hiring period execution shall be absolute responsibility of the JCB/excavator owner which shall have to be fully compensated by him in all cases the fuel and operational staff for excavator will be provided by the owner, the repair and spare watch and ward of excavator also be borne by the contractor /owner. The daily log book will be maintained at site which should be dully verified by the Engineer-in charge.	140.00	Hours		Per Hours	
Total:-						

  
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Sunder Nagar Division,  
H.P.W.D. Sunder Nagar.



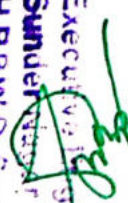
# SCHEDULE OF QUANTITY

Estimated Cost Rs.2,24,700/- only  
Earnest Money Rs.4500/- only

Time : Two months

Name of Work :- RRD on Dhawal Batwara road KM 0/00 to 11/00 (SH:-Hiring of JCB for removal of Slips and road side debris in km 00/00 to 11/00 )

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in world	in figure		
1	Hiring of JCB /excavator for removal of slips and boulder in all kinds of soil including rocky potion and saturated and disposing of all excavated earth or un- serviceable materials from the road surface up to any leads and lifts as per direction and entire satisfaction of Engineer- in charge. The machine/JCB should work minimum 7.00 hours from 9.00A.M to 5.00 P.M. daily and remove at least 25.00 cum. Quantity of slips per hour. Any loss to the public/private property of any accident etc. happened during the course of hiring period execution shall be absolute responsibility of the JCB/excavator owner which shall have to be fully compensated by him in all cases the fuel and operational staff for excavator will be provided by the owner, the repair and spare watch and ward of excavator also be borne by the contractor /owner. The daily log book will be maintained at site which should be dully verified by the Engineer-in charge.	210.00	Hours		Per Hours	
		Total:-				

  
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H.P.M.D. Sunder Nagark

## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,99,503/- only

Earnest Money: Rs 10,000/- only

Time : Three months

**Name of Work:-** A/R & M/O on NH-21 CMM road km 173/900 to 178/330 ( SH:- Providing and laying of interlocking concrete block pavements on LHS side at RD.174/ 337 to 174/370)

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Earth work in excavation for foundation of structure up to 3mtr depth as per drawing and technical specification clause 1104 including setting out construction of shoring and bracing removal of stump and other deleterious material dressing of side and bottom and backfilling in trenches with excavated suitable material ordinary soil within all leads , lifts and carriage of materials and other incidentals.	50.70 cum			per Cubic metre	
2	Providing concrete for plain / reinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202 & 1203 P.C.C. grade M-10 nominal mix 1: 3: 6 (one cement : three sand :six graded stone aggregate 20mm (twenty millimeter ) within all leads , lifts and carriage of materials and other incidentals.	23.15 cum			Per Cubic Metre	
3	Providing and laying heavy duty precast cement concrete inter locking paver blocks vibro compacted upto M- 50 grade i/c border or kurb block grey or coloured over sub-base of concrete with 25mm thick 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 80mm thick inter locking blocks within all leads , lifts and carriage of materials and other incidentals.	221.07 sqm			Per square Metre	
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C. grade M 20 Nominal mix 1:2:4 (one cement : two sand : four graded stone aggregate ) within all leads , lifts and carriage of materials and other incidentals.	1.04 cum			Per Cubic Metre	
					<b>Total</b>	

  
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## SCHEDULE OF QUANTITY

Estimated Cost Rs. 1,52,500/- only  
 Earnest Money Rs.4500/- only  
 Time :- Two month  
 ) . Name of Work :- RRD on Nihri Balag road km 0/0 to 10/00 (SH:- Hiring of Tipper for carriage of different material in various km's

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			in word	in figure		
1	Hiring of Tipper for carriage/ disposal of debris to dumping site of work with lift to suitable place with in all leads and lifts to the entire satisfaction of the Engineer-in Charge . The Tipper should work minimum 9.00 AM to 5.00 PM daily any loss to the public/ private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the Tipper owner which shall have to be fully compensated by him in all cases the fuel and Tipper driver and lodging & boarding of operational staff will be provided by the Tipper owner the repair and spare including watch and ward of Tipper also borne by the contractor /owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in charge.	50.00 Days			Per day	
Total:-						

  
**Executive Engineer,**  
**Sunder Nagar Division,**  
 IADPMD Sunder Nagar

## SCHEDULE OF QUANTITY

Name of work :- RRD on Samon to Tihri road km 0/0 to 8/870 (SH:- Removal of slips and various reaches in km 4/960 to 8/870)

Estimated Cost Rs. 4,80,848/- only  
Earnest Money Rs. 10000/- only  
Time :- One month.

Sr. No.	Description of items.	Qty.		Rates		Unit	Amount
				Figure	Words		
1	2	3		4	5	6	7
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in lift upto any metre and lead upto any metre as per technical specification 302.3.5 and 1611 as per direction of Engineer - in charge including in all lead and lift and other incidental.	5342.75	cum			Per cubic metre	
						Total	

  
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Sunder Nagar Division,  
HPPWD Sunder Nagar.




# SCHEDULE OF QUANTITY

Estimate Cost :Rs. 99,525/-only  
Earnest Money: Rs.2,000/- only

Time : One Month

Name of work :- Improvement of <sup>Revised</sup> alien curves on Slapper to Kandar road 0/00 to 4/500 ( SH:- Improvement of curve at RD. 2/620 to 2/ 678 )

S.N	Sub Head and item of work	Quantity	Rate in		Unit	Amount
			Figure	words		
1	Excavation in soil in hill area in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper blasting work both in soft and hard rock with chiseling / wedging out side of rock (where blasting is prohibited) and their intermediate classification of soil including dewatering where required settingout to the required line grades, side slopes trimming bottom and level as shown on drawings as directed by the Engineer-in-charge at site according to MORTH technical clause 1603.1 and 1603.2 sorting useful / un-useful materials and stacking the same in all leads and lifts and transportation of the useful materials for filling in roads ways, embankments for grades improvements and leveling to the require grade and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of transportation including head load animal load or mechanical means alongwith its leveling fine dressing and all labour, machinaries, materials, tools equipments and safety measures and incidentals necessary to complete the work by all means ( if any required ) recovery for usefull stone of <b>16.75cubic mete @ Rs. 300.00 per cubic mete amounting to Rs. 5025/-</b> only shall be done on prorata basis for the quantity of cutting in earth work effected. Any loss to the public and private property during the course of excution shall be the absolute responsibility of the contrator, which shall have to be duly compensated by him in all respect including all leada and lifts and materials and as per direction of Engineer in charge.	488.13	cum		Per cubic metre	
					Total	

  
Executive Engineer,  
Sunder Nagar Division,  
P.P.W.D. Sunder Nagar.

## SCHEDULE OF QUANTITY

Estimate Cost: Rs.1,66,310/- only

Earnest Money: Rs 4,000/- only

Time : One month

**Name of Work :-** RRD on Kalahoud Shore via Patrahan road km 1/00 to 5/500 (SH:- Removal of slips, Maintenance earthen shoulders and Construction of unlined surface drains at RD. 1/00 to 5/500 )

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Ward		
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slops and disposal of cut material with in any lift and lead upto 100 m as per technical specification 302.3.5 and 1611 as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	260.00 cum			per cubic metre	
2	Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of any mtr as per technical specification Clause 1903 as per direction of Engineer in charge with in all leads lifts and carriage of materials and other incidentals.	2030.00 Sqm			per Square metre	
3	Construction of unlined surface drains of average cross-sectional area 0.40 sqm ( zero point forty metre ) in soil to specified lines, grades, levels and dimensions. excavated material to be used in embankment with a lift upto any metre and lead of any metre as per Technical Specification Clause 307. Manual Means within all leads , lifts and carriage of materials and other incidentals .	950.00 Rmt			Per Running metre	
				Total		

  
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## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 498560/- only  
Earnest Money: Rs 10000/- only

Time : one month

Name of Work :- Restoration of Dehar Triphalghat road Km 0/00 to 14/00 (SH:- Removal of Slips & C/o unlined surface Drain at various reaches )  
Deposit Work

S. No.	Sub Head and item of work	Qty.	Rate in	Unit	Amount
			Figure	Word	
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slips and disposal of cut material with in lift and lead any metre as per technical specification 302.3.5 and 1611. within all leads , lifts and carriage of materials and other incidentals .	4984.00	cum	Per cubic metre	
3	Construction of unlined surface drains of average cross-sectional area any 0.40 square metre in soil to specified lifts, grades, levels and dimensions. Excavated material to be used in embankment with a lift and lead any metre as per Technical Specification Clause 307. mech. means within all leads , lifts and carriage of materials and other incidentals.	1000.00	Rmt	Per running metre	
				Total	


  
**Executive Engineer,**  
**Sunder Nagar Division,**  
**H.P.P.W.D. Sunder Nagar**

# SCHEDULE OF QUANTITY

Estimate Cost :Rs. 1,54,108/-only  
Earnest Money: Rs.3,200/- only  
Time : One Month

Name of work :- C/o Link road between Kol dam (right Bank) to Ropa - Ahlan km 0/00 to 0/400 (SH: C/o U-shape drain at RD. 0/305 to 0/400)

S.N	Sub Head and item of work	Quantity	Rate in		Unit	Amount
			Figure	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 any metre and a lead upto any metre within all leads , lifts and carriage of materials and other incidentals .	49.02 cum			per Cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:4:8 (one Cement : four coarse sand : eight graded stone aggregate 40 mm (forty millimetre ) nominal size) within all leads , lifts and carriage of materials and other incidentals .	12.26 cum			per Cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:3:6 (one Cement : three coarse sand) : six graded stone aggregate 20 mm ( twenty millimetre ) nominal size) within a lead of any metre within all leads , lifts and carriage of materials and other incidentals .	17.10 cum			per Cubic metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:2:4 (one Cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) within a lead of any metre within all leads , lifts and carriage of materials and other incidentals .	2.19 cum			per Cubic metre	
					Total	

  
Executive Engineer,  
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### SCHEDULE OF QUANTITY

Name of work: -RRD on Sunder Nagar Circular Road KM 0/0 to 7/630  
(SH:- Removal of slips, maintenance of earthen shoulder  
and clearance of unlined drain in various RD's )

Estimated cost Rs:-99930/- only  
Earnest money Rs:-2000/-  
Time:-Two Months

S. No.	Sub-Head and Item of work	Quantity	Rates in		Unit	Amount.
			Figure	Words		
1.	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in lift upto 1.5 m and lead upto 1000 metre as per technical specification 302.3.5 and 1611. as per drawing and technical specifications within all leads, lifts and carriage of material and other incidentals.	210.00 Cum			Per Cum	
2.	Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification clause 1903. as per drawing and technical specifications within all leads, lifts and carriage of material and other incidentals.	1590.00 Sqm			Per Sqm	
3.	The maintenance of drains include erosion, repair. Clearing, cleaning, reshaping, regarding, deepening of side drains as well as catch water drains as per technical specification Clause 1907. as per drawing and technical specifications within all leads, lifts and carriage of material and other incidentals.	3500.00 Rmt.			Per Rmt.	
					TOTAL :	

  
Executive Engineer,  
Sunder Nagar Division,  
HPPWD Sunder Nagar.

# SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,99,036/- only

Earnest Money: Rs10,000 /- only

Time : Three months

Name of Work :- RRD on Jachh Pressi Pangna road km 0/0 to 20/00 (SH:- C/O R/wall at RD. 9/718.50 to 9/727).

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Stone masonry in cement mortar for foundation complete as per drawing and technical specification clause 702, 704, 1202 and 1204 (Random rubble masonry in cement mortar 1:6 (one cement : six sand) within all leads, lifts and carriage of materials and other incidentals.	103.67 cum			per Cubic metre	
2	Providing weep hole in brick masonry / stone masonry / plain reinforced concrete abutment wing wall return wall with 100 mm (one hundred millimetre) dia PVC pipe extended through the full width of the structures with slope of 1 (v) : 20 (H) towards drawing face complete as per drawing and technical specification clause 614, 709 & 1204.3.7 within all leads, lifts and carriage of materials and other incidentals.	20.00 Nos			Each	
3	Back filling with stone behind abutment, wing wall and return wall complete as per drawing and technical specification clause 1204.3.8 stone/ granular material within all leads, lifts and carriage of materials and other incidentals.	14.15 cum			Each	
					Total	

Executive Engineer,  
Sunder Nagar Division,  
H.P.W.D. Sunder Nagar.



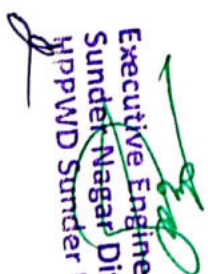
## SCHEDULE OF QUANTITY

Estimate Cost: Rs. 4,89,156/- only  
Earnest Money: Rs 10,000/- only

Time : Two months

**Name of Work :-** C/O Guest house in the permisses of Govt. Polytechnic collage at Sundernagar Distt Mandi (H.P) (SH:- P/F HPL Wall cladding in outer side of building) (Job-II)

S. No.	Sub Head and item of work	Qty.	Rate in		Unit	Amount
			Figure	Word		
1	Providing and fixing in wall lining with f-quality exterior grade high-pressure laminates (hpl) panels of standard size with both side décor. oreo/ abet lamanatti/ poly grey cladage as per en 438-7, type EDF manufactured using patented technology (NT), panels are double hardened including acrylic polyurethane resin which is thermally cured under high pressure & high temperature.should be termite free, water resistant in approved wooden shade with necessary fixing arrangement and screws etc. complete : 6mm ( six millimetre) thick including carriage of materials with in all leads, lifts and other incidentals as per direction of Engineer - in - charge.	81.76 sqm			Per square metre	
					<b>Total</b>	

  
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Sunder Nagar Division,  
HPPWD Sunder Nagar

# SCHEDULE OF QUANTITY

Estimated Cost Rs. 4,79,997/- only  
Earnest Money Rs. 10,000/- only

Time :- Three month.

Name of work :- Improvement of (BLACK SPOT) Sundernagar Batwara road Soul Pul to Dhawal km 0/00 to 31/00 (SH:- Providing and fixing 'w' metal beam Crash barrier at RD 7/760 to 7/820)

Sr. No.	Description of items.	Quantit y	Rates		Unit	Amount
			Figure	Words		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of materials with in all leads, lifts and other incidentals.	24.43 cum	4	5	Per Cubic Metre	7
2	Plain/Reinforced Cement Concrete 1:2:4 (One cement : two coarse sand) : four graded stone aggregate 20 mm ( twenty millimetre ) nominal size) in Open Foundation complete as per Drawing and Technical Specifications.PCC Grade M20 using batching plant transit mixer & manual placing including carriage of materials with in all leads, lifts and other incidentals.	4.13 cum			Per Cubic Metre	
3	Plain cement concrete 1:3:6 (one cement : three coarse sand :six graded stone aggregate 20 mm ( twenty millimetre ) nominal size)nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days,including carriage of materials with in all leads, lifts and other incidentals.	48.83 cum			Per Cubic Metre	
4	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm ( three millimetre ) thick corrugated sheet metal beam rail, 70 cm ( seven centimetre ) above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm ( spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm(one hundred fifty into seventy five into five millimetre) , 330 mm ( three hundred thirty millimetre ) long complete as per clause 811 including carriage of materials with in all leads, lifts and other incidentals.	60.00 Rmt			Per Running Metre	
					Total	

**Executive Engineer,**  
**Sunder Nagar Division,**  
**HPPWD Sunder Nagar.**



### SCHEDULE OF QUANTITY

Restoration of

—

10000/- only  
month

(SH:- Removal of Slips, C/o unlined surface Drain and manitrance of road on Pandar Tattapani road Km 00/00 to 32/00

No.	Sub Head and item of work	Qty.	Rate in	Unit	Amount
			Figure Word		
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in lift and lead any metre as per technical specification 302.3.5 and 1611. within all leads , lifts and carriage of materials and other incidentals .	3200.00	cum	Per cubic metre	
2	Construction of unlined surface drains of average cross-sectional area any 0.40 square metre in soil to specified lines, grades, levels and dimensions. Excavated material to be used in embankment with a lift and lead any metre as per Technical Specification Clause 307. mech. means within all leads , lifts and carriage of materials and other incidentals .	2500.00	Rmt	Per running metre	
3	Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead any metre as per technical specification Clause 1903 within all leads , lifts and carriage of materials and other incidentals	1700.00	Sqm	<i>Sqm</i>	
	Total				

Executive Engineer,  
Sunder Nagar Division,  
H.P.P.W.D., Sunder Nagar,

ge 1/2

Estimate Cost: Rs. 136500/- only  
Earnest Money: Rs 3000/- only  
Time: one month

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H.P.P.W.D. Sunder Nagar.