



Office of
Executive Engineer B&R Division HP.PWD. Joginder Nagar
Himachal Pradesh Public Works Department, Mandi-175015
Phone & Fax No. 01908-222033 E-Mail:- ee-jog-hp@nic.in

"NOTICE INVITING TENDER"

Sealed item rate tender for the following works are hereby invited by the Executive Engineer, B&R Division HP.PWD., Joginder Nagar District Mandi (H.P) from the eligible contractors of the appropriate class registered in HP.PWD. as per revised enlistment rules so as to reach in the office of under signed on **23/07/2022 up to 11:30 A.M.** and will be opened on the same day at **(12:00 noon)** in the presence of intending contractors. The tender application will be received in this office against cash payment on **22/07/2022 up to 10.00 A.M. to 12:30 P.M.** and tender form can be had from this office on **21/07/2022 from 2.00 P.M. to 5.00 Pm.** The earnest money as shown against each in the shape of F.D.R of any bank in Himachal Pradesh duly pledged in the name of the under signed must accompany with each tender. The tender form will be issued to contractor giving proof of enlistment, GST, work done certificate, proof of machinery etc. Conditional tender and tender received without earnest money will be out rightly rejected. The offer of the tender shall be kept open for 90 days. The Executive Engineer reserves the right to reject any or all the tenders without assigning any reasons.

The draft NIT and other specifications and conditions of the tender can be seen by the contractors in the office of the under signed on any working day during the office hours.

Sr. No.	Name of work	Amount put to tender/ Est. cost	Earnest money	Cost of Tender Form	Eligible Class of Contractor	Time
1	Improvement of black spot on Joginder Nagar Sarkahghat Ghumarwin road Km. 0/0 to 34/300. (Sub Head:- Construction of "W" metal beam crash barrier at Km. 25/620 to 25/720).	₹ 3,76,941/-	₹ 7,500/-	₹ 350/-	Class "D"	Three months
2	Improvement of black spot on Baijnath Lad Bharol Kandapattan road Km. 1/0 to 46/0. (Sub Head:- Construction of "W" metal beam crash barrier at Km. 36/915 to 36/980).	₹ 2,44,054/-	₹ 4,900/-	₹ 350/-	Class "D"	Three months
3	Construction of Gaduhi to Bhoura Kas road G.P. Bhararu Km. 0/0 to 1/500. (Sub Head:- Providing and laying 20mm thick premix carpet and seal coat at Km. 0/840 to 1/0).	₹ 2,06,063/-	₹ 4,100/-	₹ 350/-	Class "D"	Three months
4	Construction of Bhager to Upper Bhager Mahila Mandal road Km. 0/0 to 0/360. (Sub Head:- Formation cutting in Km. 0/0 to 0/360).	₹ 2,54,841/-	₹ 5,100/-	₹ 350/-	Class "D"	Three months
5	A/R & M/O Darkoti to Nichla Bhadyara road Km. 0/0 to 9/0. (Sub Head:- Construction of retaining wall at Km. 6/750 to 6/795).	₹ 4,61,233/-	₹ 9,200/-	₹ 350/-	Class "D"	Three months
6	A/R & M/O Chautra to Khaj road Km. 0/0 to 1/770. (Sub Head:- Construction of U-shape drain/ Kuhal at Km. 1/560 to 1/575).	₹ 91,786/-	₹ 1,800/-	₹ 350/-	Class "D"	Three months
7	Construction of Drahal to Nichla Bhadyara Harizan Basti road Km. 0/0 to 4/0. (Sub Head:- Providing and laying wearing grade-II from Km. 0/400 to 0/510).	₹ 75,407/-	₹ 1,500/-	₹ 350/-	Class "D"	Three months
8	Construction of Galu (Harabag) Bhatwari Lahla Malan Nakehar Kangwan road Km. 0/0 to 5/0. (Sub Head:- Construction of Breast wall in wire crate in Km. 0/900 to 0/925).	₹ 2,67,66/-	₹ 7,600/-	₹ 350/-	Class "D"	Three months

1. Certified that tender of above works are being called of emergent nature in exigency of public interest

Terms and conditions:-

1. The contractor should produce a copy of enlistment / renewal letter at time of application.
2. Executive Engineer reserves the right to reject/cancel any or all the tenders without assigning any reasons.
3. The contractor/Firm shall have his registration and GST No. the copy of same be attached with the application.
4. The earnest money shall be deposited duly pledged in favour of Executive Engineer B&R Division HPPWD., Joginder Nagar & cost of tender form for the above works should be submitted with the application for the purchase of the tender forms. The application received without earnest money & cost of tender form shall summarily be rejected.

5. No tender form will be issued to the contractor without producing the work done certificate from the Executive Engineer concerned.
6. The Contractor/Firms must have executed minimum one civil /similar nature of work done of amount not less than 40% (forty percent) of the estimated cost (without Liquidated Damage or compensation) in last five years.
7. The contractor/firms are requested to insert the rate of each item in words as well as in figures failing which XEN reserves the right to accept/reject any tender without assigning any reason at any stage.
8. The tender shall be issued to those contractors who have not more than two works in hand.

Executive Engineer,
B&R Division HP PWD.,
Joginder Nagar.
District Mandi (HP) on behalf of
Governor of Himachal Pradesh
Ph. 01908-222033

No. PW-JND-B&R-EA-I/NIT/Press/2022-23-

9921- 457

Dated:- 07-07-2022.

1. Copy to the F.C. Cum Principal Secretary (PW) to the Govt. of Himachal Pradesh Shimla-2 for favour of information please.
2. The Engineer-in-Chief, HPPWD, Shimla.
3. The Chief Engineer (MZ), HPPWD, Mandi.
4. The Superintending Engineer, Joginder Nagar Circle HPPWD, Joginder Nagar.
5. All the Executive Engineer in HPPWD for wide publicity.
6. All the Assistant Engineer working under this Division.
7. Drawing Branch in this office.
8. Notice Board.
9. The Computer Cell office of the Engineer-in-Chief, HPPWD, Shimla for uploading the NIT on the Departmental website.

Executive Engineer,
B&R Division HP PWD.,
Joginder Nagar.

SCHEDULE OF QUANTITY


①

Name of Work : Improvement of Balck Spot on Joginder Nagar Sarkaghat Ghumarwin Road km 0/00 to 34/300
(SH: Construction of "W" Metal Beam Crash Barrier at km 25/620 to 25/720)

Estimate Cost: 3,76,941.
Earnest Money: 7,500.
Time Limit : Three Months

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost.	8.46	Per cubic metre			
2	Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plums and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals.	9.23	Per cubic metre			

	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
3	Providing and erecting a "W" Metal Beam Crash Barrier comprising of 3mm (three millimetre) thick corrugated sheet metal beam guard rail 70cm (seventy centimetre). Above road/ ground level fixed on ISMC series channel vertical posts 150x75x5mm thick (one hundred fifty X seventy five X five millimetre) spaced 2.00 (two point zero) metre centre to centre 1.80 metre (one point eight zero) high 1.10 metre (one point one zero) below ground/ road level all steel parts and fittings to be galvanised by hot deep process, all fittings to confirm to IS: 1364, metal beam guard rail to be fixed on the vertical posts with a spacer of channel section 150x75x5mm (one hundred fifty x seventy five x five millimetre), 330mm (three hundred thirty millimetre) long complete as per clause 810 within all leads, lifts carriage of material and other incidentals.	100.00	Per Running Meter			
	Total					


 Executive Engineer
 B & R Division HP.PWD,
 Joginder Nagar

SCHEDULE OF QUANTITY

(2)


Name of Work : Improvement of Balck Spot on Baijnath Ladbharol Kandapattan Road km 1/00 to 46/00
(SH: Construction of "W" Metal Beam Crash Barrier at km 36/915 to 36/980)

Estimate Cost:
Earnest Money:
Time Limit :

2,44,054.
4,900.
Three Month

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost .	5.35	Per cubic metre			
2	Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plums and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals .	5.83	Per cubic metre			


Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
			Figures	Words	
3 Providing and erecting a "W" Metal Beam Crash Barrier comprising of 3mm (three millimetre) thick corrugated sheet metal beam guard rail 70cm (seventy centimetre). Above road/ ground level fixed on ISMC series channel vertical posts 150x75x5mm thick (one hundred fifty X seventy five X five millimetre) spaced 2.00 (two point zero) metre centre to centre 1.80 metre (one point eight zero) high 1.10 metre (one point one zero) below ground/ road level all steel parts and fittings to be galvanised by hot deep process, all fittings to confirm to IS: 1364, metal beam guard rail to be fixed on the vertical posts with a spacer of channel section 150x75x5mm (one hundred fifty x seventy five x five millimetre), 330mm (three hundred thirty millimetre) long complete as per clause 810 within all leads, lifts carriage of material and other incidentals.	65.00	Per Running Meter			
Total					


 Executive Engineer
 B & R Division HP.PWD,
 Jodhpur Nagar

SCHEDULE OF QUANTITY

Name of Work : Construction of Gaduhi to Bhoura Kas road GP Bhararoo Km. 0/0 to 1/500
(Sub Head:- Providing and laying 20mm thick Premix Tarring and Seal Coat at km 0/840 to 1/000)

Sr. No.	Description of work	No. or Qty.	Unit	Estimate Cost:		
				Figures	Rate Words	AMOUNT Rs.
1	Providing and applying primer/track with bituminous primer (VG-10) at the rate of 1.00 (one point zero zero) kilogram per square metre on existing WBM (Water bound macadam) surface cleaned with mechanical brooms as per HP.PWD/MORD specification complete within all leads, lifts, carriage of material and other incidentals charges.	512.40	Per square metre			
2	Providing, laying and rolling by mechanical means bitumen (VG-10) of open graded premix carpet of 20mm (twenty millimetre) thickness composed of 13.2mm to 5.6mm (thirteen point two millimetre to five point six millimetre) aggregates either using penetration grade bitumen at the rate of 1.46 (one point four six) kilogram per square metre to required line, grade and level to surve as wearing course on a previously prepared base, including mixing in suitable plant, laying and rolling with a three wheel 80-100 kN (eighty-hundred kilo newton) static roller capacity, finished to required level and grades to be followed by seal coat of Type-B as per technical specification Clause 508 including all corrective measures such as patching pot holes, sealing of cracks including all profile correction for all depths and hauling of material with in all leads and lifts by all modes of transportation.	512.40	Per square metre			
3	Providing and laying seal coat Type-B by mechanical means sealing the voids in a bituminous surface laid to the sepcified levels, grade and crossfall using Bitumen (VG-10) at the rate of 0.68 (zero point six eight) kilogram per square metre as per technical specification Clause 510 including hauling of material with in all leads and lifts by all modes of transportation.	512.40	Per square metre			
Total						


Executive Engineer
B & R Division HP.PWD,
Joginder Nagar

SCHEDULE OF QUANTITY

(4)

Name of Work : Construction of ~~Bhagesh to Upper Bhagesh~~ ~~to Upper Bhagesh~~ ~~Mahila Mandol~~ km 0/0 to 0/360.
(SH: Formation Cutting in km 0/0 to 0/360)

Estimate Cost: 2,54,841.00
Earnest Money: 5,100.00
Time Limit : Three Months

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Cutting in earth work in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper and blasting work both in soft and hard rock with chiseling wedging out of rock (where blasting is prohibited) and their intermediate classification of soil setting out time to the required line, grades, side slopes trimming bottoms and level as shown in the drawing as per the direction of Engineer-In-Charge at site as per technical specification clause 1603.1, 1603.2 and sorting out useful/un-useful materials and stacking the same in all leads and lifts in acquired width of the road and transportation of un-useful materials for filling in road ways camber embankments for grades improvements and disposal of all un-useful materials to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling fine dressing and carriage of all labour machineries, materials, tools equipments and safety measures and incidentals necessary to complete the work by mechanized means and or labour if required all useful materials such as stones, shingles, aggregates, land slates shall be sorted out and stacked along road side. Any loss to the public/private property during the course of execution shall be absolute responsibility of the contractor which shall be duly compensated by him in all cases.	1216.80	Per cubic metre			
2	Less credit for excavated rock found suitable for use, the recovery of useful rock shall be done on pro-rata basis in each running bill for item No.1	68.97	Per cubic metre	300.00	Rupees Three Hundred Only	-20,691.00
	Total					

Executive Engineer
B & R Division HP.PWD,
Aginder Nagar

SCHEDULE OF QUANTITY

Name of Work : A/R & M/O Darkoti Nichla Bhadyara Road km 0/00 to 9/00
(SH: Construction of Retaining wall at km 6/750 to 6/765)

Sr. No.	Description of work	No. or Qty.	Unit	Estimate Cost:		AMOUNT Rs. P
				Figures	Rate Words	
1	Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost.	29.55	Per cubic metre			
2	Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plumbs and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals.	79.35	Per cubic metre			

(5)

No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
4	Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals.	13.35	Per cubic metre			
3	Providing weep holes in brick masonry/stone masonry/plain or reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia P.V.C. pipe extending through the full width of the structures with slope of 1 (V): 20(H) towards drainage face complete as per drawing and M.O.R.D.technical specification clauses 614, 709 & 1206.6 and as per the directions of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals and to the entire satisfaction of the Engineer-in-Charge.	28.00	Each			
Total						


 Executive Engineer
 B & R Division HP.PWD,
 Jalandhar Nagar

SCHEDULE OF QUANTITY


6

Name of Work : A/R & M/O Chauntra Khaj Road km 0/00 to 1/770
(SH: Construction of U-Shape Drain / Kuhal at km 1/560 to 1/575)

Estimate Cost: 91,786
Earnest Money: 1,800
Time Limit : Three Months

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost.	7.50	Per cubic metre			
2	Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:4:8 (one cement : four sand : eight graded stone aggregate 40mm (forty millimetre) nominal size) complete within all leads, lifts carriage of material and other incidentals.	15.00	Per cubic metre			
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203. Plain cement concrete Grade M-10 complete within all leads, lifts carriage of material and other incidentals.	1.13	Per cubic metre			

No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
4	Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals.	5.70	Per cubic metre			
Total						


 Executive Engineer
 B & R Division HP.PWD,
 Jodhpur Nagar


SCHEDULE OF QUANTITY

7

Name of Work : Construction of Drahal to Nichla Bhadyara Harijan Basti road Km. 0/0 to 4/0.
(SH: Providing and laying Wearing Grade-II 63 to 45mm size from km 0/400 to 0/510)

Estimate Cost: 75,40
Earnest Money: 1,500
Time Limit : Three Months

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Providing, laying, spreading and compacting stone aggregates by manual means of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 KN (eighty-hundred kilo newton) static roller in stages to proper grade and camber applying and brooming, stone screening/ binding materials to fillup the interstics of course aggregate watering and compacting to the required density Grading-2 (two) as per technical specification clause 405 complete within all leads, lifts, carriage of material and other incidentals charges.	24.26	Per cubic metre			
Total						


Executive Engineer
B & R Division HP.PWD,
Joginder Nagar

SCHEDULE OF QUANTITY

Estimate Cost:

2,67,666.00

Earnest Money:

5,400.00

Time Limit :

Three Month

Name of Work :Construction of Galu (Harabag) Bhatwari Lahla Malan Nakehar Kangwan road km.0/0 to 5/00

(S.H. : Construction of Wire Crate Breast wall at km 0/900 to 0/925)

Sr. No.	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
1	Excavation in soil in hilly area in all heights and depths and in all kind of soil by all means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required line, grades, width cutting and trimming of side slopes and level as shown on the drawing and as directed by the Engineer-in-Charge at site according to the M.O.R.D. technical specification section 1000 & 300 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of the road and transportation of useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material at approved dumping sites through all modes of transportation including head load or animals transport or mechanical means along with its leveling fine dressing and hauling /carriage of machineries, materials, tools equipments and safety measures. Any loss to the public / private property during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him at his own cost.	13.88	Per Cubic metre			
2	Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost .	18.75	Per cubic metre			

	Description of work	No. or Qty.	Unit	Rate		AMOUNT Rs. P
				Figures	Words	
3	Providing and laying of boulder apron laid in wire crates with 4mm (four millimetre) diameter G.I. wire conforming to IS: 280 and IS: 4826 in 100mm x 100mm (one hundred millimetre into one hundred millimetre) mesh (woven diagonally) including 10% (ten percent) extra for laps and joints laid with stones boulders weighing not less than 25 K.g. (twenty five kilogram) each as per drawing and technical specifications clause 1301 complete within all leads, lifts, carriage of material and other incidentals.	78.12	Per Cubic metre			
	Total					


 Executive Engineer
 B & R Division HP.PWD,
 Jodhpur Nagar