Himachal Pradesh Public Works Department PW-RD-GA-Tender-2021-22-To

6222

dated:-/-7-2024

The Executive Engineer (IT Cell) Nigam Bihar, Shimla-2.

Subject: -

Tender notice.

Enclosed please find herewith the tender notice of work as given in the notice inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of H.P. letter N. PBW (B) A (3) 1/2020 dated Shimla-2 the 16th July 2021.

1. Certified that the tender mantioned in the notice is exigencies/emergency are urgent nature and in public interest.

DA:- Notice inviting tender & sechdule of quantity.

Executive Engineer, B&R Division, HPPWD, Rohru.

Himachal Pradesh Public Works Department "NOTICE INVITING TENDERS"

Sealed item rate tender on form PWD 6&8 are invited by the Executive Engineer Rohru Division HPPWD, on behalf of Governor of H.P. for the following works from the approved and eligible contractors enlisted in HPPWD, So as to reach in this office as per time schedule given below:-

1. Date of receipt of applications for tender forms:-

2.Date of issue/sale of tender forms:-

3.Date of receipt of tender:-

4. Date of opening of tender:-

16.072022 upto 1:00PM

16.07-2022 upto 2:00PM to 3.00PM

18.07-2022 upto 3:30PM

18.07-2022 upto 4:00PM

Sr.No	Name of Work.	Estt.Cost.	E/Money	Time.
1	R/R Damages on Parsa Chiuni Lowerkoti Chhupari road Km. 0/0 to10/300 (SH:- C/O R/wall in PCC at Rd. 7/420 to 7/435)	Rs.364931/-	Rs.7300/-	2 month
2	A/R & M/O RCD road Km. 0/0 to 21/195 (SH:- C/o wire create R/Wall at RD 20/820 to 20/855)	Rs. 479727/-	Rs. 9594/-	2 month
3	R/R Damages Udo Niwas Jakhar road Km. (SH:- C/O R/Wall at Rd. 3/310 to 3/330)	Rs. 341441/-	Rs. 6888/-	2month
4	R/R Damages to Jakhar Thothani Rantari road Km. 0/0 to 3/0 (SH:- R/Wall at RD 1/240 to 1/260)	Rs. 390066/-	Rs. 7800/-	1month
	C/o HB road to Naga Plathar Km .0/0 to 4/500 (SH:- Widening improvement and down rulling gradient from Rds. 1/405 to 1/5250	Rs. 131497/-	Rs. 2630/-	2 month
6	C/O link road to Baghi Km. 0/0 to 3/0 (SH:- widening of narrow reaches at Rd.0/180 to 0/600)	Rs.472937/-	Rs. 9500/-	2 month
7	C/O Bouli Nallah Durkuli roda Km. 0/0 to 3/500 (SH:- Widening and re-grading 5/7 mtr wide road portion at Rd. 0/0 to1/180 and 1/800 to1/845)	Rs. 487820/-	Rs.9760/-	2 month
,8	R/R damages on Umladawar Farog Khalwan Khad road Km. 0/0 to 12/565 (SH:-C/o B/Wall at Rd. 8/360 to 8/3900	Rs. 284474/-	Rs. 1689/-	2 month
9	RR damages to RCD road Km. 2/0 to 21/195 (SH:- C/o R/Wall in PCC 1:3:6 at Rd.6/051.40 to 6/061.40	Rs. 488831/-	Rs. 9780/-	2Month
10	C/O link road Karchari to Thamtari Km. 0/0 to 0/700 (SH:- C/O B/Wall at Rd.0/340 to 0/345 , 0/410 to 0/455).	Rs. 461099/-	Rs. 9300/-	2month
11	R/R Damages to Kansakoti Kutara Dalgaon road Km.0/0 to 15/0 (SH:_ C/O B/Wall in PCC 1:4:8 at Rd. 7/415 to 7/430)	Rs. 203011/-	Rs. 4080/-	3 Month
12	R/R Damages to Samoli Bhatwari road Km. 0/0 to 7/0 (SH:- C/O Solid cause way at Rd. 6/740 to 6/750)	Rs. 379559/-	Rs. 7590/-	2 Month
13	R/R Damages to link road to Gumma Village Km. 0/0 to 1/0 (SH:- C/O Abutment wall in wire creat at Rd. 0/80 to both side).	Rs. 35964/-	Rs. 6400/-	2 Month
14	C/o link road Tutupani Nalaban road Km . O/O to 5/500 (SH:- F/C 5/7 mtr wide road at Rd. O/O to 0/225	Rs. 326151/-	Rs. 6600/-	3 Month
15	R/R Damages to Seri Chandigarh road Km. 0/0 to 6/300 (SH:- C/O R/wall at Rd.4810 to4/822)	Rs. 473736/-	Rs. 9500/-	2 Month
16	C/o Link road Gheota Ghasni Km. 0/0 to 3/400 (SH:- C/O R/Wall at Rd.0/581 to0/590)	Rs. 458362/-	Rs.9200/-	2 Month
17	R/R Damages to Badiyara Nandla road Km. 0/0 to 7/0 (SH:- C/O R/Wall at Rd. 2/240 to 2/262)	Rs. 450702/-	Rs. 9100/-	2Month
18	R/R Damages to Various road under Summerkot Section Sub-Division Rohru (SH:- Hiring of Tipper for carriage of muck, gravel material etc.)	Rs. 297000/-	Rs. 6000/-	2 Month
19	R/R Damages to Mehandli Tikkar Pujarli road Km. 0/0 to28/500 (SH:- C/O R/Wall in PCC at Rd. 1/750 to 1/7650	Rs. 450697/-	Rs. 9100/-	2 Month
20	R/R Damages to various road under Badiyara section in Chirgaon Sub Division (SH:- Hiring of JCB removal of slips / and slide)	Rs. 495600/-	Rs. 9900/-	59days

21	R/R Damages to Various road under Rohru Sub Division (Samoli Section) (SH:- Hiring of JCB for removal of slips and maintenance of road)	Rs. 126000/-	Rs. 2500/-	15 days
22	C/o° Lakadhar Mini Gadam road Km. 0/0 to3/0(SH:- C/O R/Wall at Rd 0/585 to 0/596)	Rs.357463/-	Rs. 7149/-	2 Month
23	R/R Damages to Sainji Munchara road Km. 0/0 to 6/00 (SH:- C/O R/Wall in PCC 1:4:8 at Rd. 2/685 to 2/702)	Rs. 367314/-	Rs. 7400/-	2 Month
24	R/R Damages to Various road under Chirgaon Sub Divisikon (in Dhamwari Section) (SH:- Hiring of Tipper for carriage of Much slips)	Rs. 165000/-	Rs. 3300/-	3 Month
25	C/o Kui Nardu road Km. 0/0 to 1/500 (SH:- Providing and laying Kharanja stone soling at Rd. 0/440 to 0/800)	Rs. 498976/-	Rs.9980/-	2Months
26	R/R Damages on Shallan Karchari Mandharli Km. 0/0 to 12/200 (SH:- C/O R/Wall in wire create at Rd. 11/045 to 11/1650	Rs. 275727/-	Rs. 5514/-	2 Month
27	R/R Damages to various road under Badiyara section in Chirgaon Sub Division (SH:- Hiring of JCB removal of slips / and slide)	Rs. 495600/-	Rs. 9900/-	59days
28	C/o link road Panchha to Kindradu (King nagar) (SH:- 5/7 mtr . wide road at Rd.0/0 to 0/1350	Rs. 498338/-	Rs. 10000/-	2Months
29	Improvement of Black Spot on TKHR road (SH:- C/O R/Wall and wire fencing at Rd. 80/550 to 80/576)	Rs. 499342/-	Rs. 9987/-	2Months
30	A/R & M/O Housing Board Colony at Samala (SH:- Providing and fixing Cup board for room and kitchen Flat No. 31 A & 32 A	Rs. 493859/-	Rs. 9877/-	2Months
31	A/R & M/O Housing Board Colony at Samala (SH:- Providing and fixing Cup board for room and kitchen Flat No. 29A & 30A	Rs. 493859/-	Rs. 9877/-	2Months
32	A/R & M/O Kansakoti Dalgaon road Km. 0/0 ot 14/500 (SH:- C/O R/Wall at Rd. 2/056 to 2/067)	Rs.499647/-	Rs. 9993/-	3Months
33	A/R & M/O Housing Board Colony at Samala (SH:- C/o Roof work House No. 6 & 7)	Rs. 466985/-	Rs. 9340/-	3Months
34	C/o Tikkar Tunadhar Kewaladhar Said Nathuram road Km. 0/0 to 3/500 (SH:-C/O B/Wall in PCC 1:3:6 at Rd. 1/270 to 1/285)	Rs. 328116/-	Rs. 6500/-	2Months
35	R/R Damages to Umladwar Farog road Km 0/0 to 12/750 (SH:- C/O R/Wall at Rd. 3/420 to 3/428)	Rs. 466313/-	Rs. 9300/-	2Months
36	R/R Damages to Mehandli Tikakr Pujarli road Km. 0/0 to 28/500 (SH:- C/O R/Wall inPCC at Rd. 1/770 to 1/7850	Rs. 450696/-	Rs. 9000/-	2Months
37	R/R Damages to various road under Badiyara section in Chirgaon Sub Division (SH:- Hiring of JCB removal of slips at various RD and spreading of earth / sand on slippry and surface)	Rs. 487200/-	Rs. 10000/-	60 days
38	C/o link road Tippere to Shallan Kit Randeep Nagar Biharu Dodra PulKm. 0/0 to 3/400 (SH:- P/L Kharanja Stone soling at Rd. 0/0 to 0/250	Rs. 461620/-	Rs. 9300/-	2 Month
39	Link road to Samra Dhanoti Khalwan road Km. 0/0 to 3/400 (SH:- C/O 900 mm dia HPC at Rd. 1/900	Rs. 457593/-	Rs. 9200/-	2Month
40	C/O link road To HB Hanstari Dhar Km 0/0 to 1/500 (SH:- C/O R./Wall in wire create at Rd. 0/560 to 0/580)	Rs. 470022/-	Rs. 9400/-	2 Month
41	R/R Damages to various road under Seema section in Chirgaon Sub Division (SH:- Hiring of Tipper for removal of slips dressing of road surface and carriage of Muck)	Rs. 496800/-	Rs. 10000/-	60 days

42	(i)C/O Devidhar to Jakhuni ,Panu Bhamwari , Haolchha to Kutra road Km. 0/0 to 13/110(ii). C/O road Gaonsari , Maktot , Atgaon to Garisarn Simmorghati G.P.	Rs. 475937/-	Rs. 9500/-	1 Month
43	Gaonsari Km. 0/0 t 6/265) (SH:- Preparation of DPR and CBR tests) (i)C/O road from Jashlaghat Tikkar via Gujandli Km. 0/0 to 7/545(ii). C/O road from soa deori Shekhal via Bashlog Tikkar Km. 0/0 to 4/830 (SH:- Preparation DPR and CBR tests)	Rs. 304438/-	Rs. 6000/-	1 Month
44	R/R Damages to Mehandli Tikkar road Km.0/0 to 28/540 (SH:- C/O B/wall at Rd.27/610 to 27/630)	Rs. 184762/-	Rs. 3695/-	2Month

Certified that the tender mantioned in the notice is exigencies/emergency are urgent nature and in public interest.

<u>Terms and conditions</u>:-The tender doucument shellbe issued only to these contractors/firms who fulfill the following criteria and submit the following doucument with the application.

- 1. The Earnest-money for the above works should be submitted with the application for the purchase of the tender-documents.
- 2. The Contractors should quoted the rates of all the items in the tenders both in figures and words.
- 3. Income tax & GST No latest clearance certificate.
- 4. The contrs / firm shall accompany his enlistment/renewal & EPF submit before the award of tender.
- 5. The contractors should apply for two works only at a time for tenders.
- 6. The Executive Engineer reserves the right to accept/rejected any tender/application or all tenders without assigning any reason.

NO.:-PW-RD-GA.-Tender/2022-23-- 6323 - 6422 Copy forwarded for information and wide publicity to:-

- 1. The Chief-Engineer(S), HPPWD, Shimla-2.
- 3. The S E 14th Circle HPPWD, Rohru
- 4. All the E.E.'s under 14th Circle, HPPWD, Rohru
- 5. All the A.E.'s working under this Division (B&R).
- 6. The Sub Divisional Magistrate, Rohru.
- 7. The B.D.O. Rohru and Chirgaon.
- 8. The Tehsildhar, Rohru/Chirgaon and Tikkar.
- 9. The Chairman, N.A.C. Rohru.
- 10. A/B. and D/B. in this Office.
- 11. Notice-Board.

Executive Engineer, B&R Division, HPPWD, Rohru. Dated:-

1. 7. 22

Executive Engineer, B&R Division, HPPWD, Rohru.

C at R.D. 7/420 to 7/435) Quantity Rate in Rate in words.	1			
D. 7/420 to 7/435) Time Time Time 2 Months Per cubic meter. 20 Per cubic meter. 20 Per cubic meter.	Total			
Earnest Money Time 2 Months D. 7/420 to 7/435) Rate in words. Per cubic meter. 283 Per cubic meter.	merer			5 Back filling behind abutment wing wall and return complete as per drawing and technical specification of 1990 volume-I as directed by the Engineer-In-Charge.
Earnest Money Time 7. 7/420 to 7/435) D. 7/420 to 7/435) Rate in words. Per cubic meter. 2.83 Per cubic meter. Per cubic meter. Per cubic meter. Per cubic meter.	Per cubic		8.70	is a more and a more a
Time Time 2 Months 7 Junit. Rate in words. Fer cubic meter. 283 Per cubic meter. Per cubic meter. Per cubic meter.		,		4 Providing and Laying conclete Consider 1990 (Consideration clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses and lifts as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge
Earnest Money Time 2 Months Time 2 Months 3 Per cubic meter. 283 Per cubic meter. 200 Per cubic meter.	meter.		56.30	by the Engineer-In-Charge
Earnest Money Time 2 Months 7.70 7.71420 to 7/435) D. 7/420 to 7/435) Rate in words. Per cubic meter. 283 Per cubic meter.	merer			3 Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 4 unit inclinates size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification of 1990 volume-1 or as directed 802, 803, 1202 and 1203 including all leads and lifts, as per HPPVVD, specification of 1990 volume-1 or as directed
D. 7/420 to 7/435) Rate in words. Time 2 Months Unit. Per cubic meter. 283	Per cubic		7 20	di leggo din ilia, as por la companina
Earnest Money Time 2 Months 7.70 2 Months 7.70 2 Months 2 M				iead and lift as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge
Earnest Money Time 2 Months 7,7/420 to 7/435) Rate in Rate in words. Per cubic meter Per cubic	meter.	and the second	N. 00	2 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting
Earnest Money Time 2 Months 7.7/420 to 7/435) Rate in Rate in words. y Rate in Rate in words. figures. Per cubic meter	Per cubic			1603.1 and as per HPPWU, specification of 1880 volume to 25 construction of
Earnest Money Time 2 Months 7,7/420 to 7/435) Rate in Rate in words. y Rate in Rate in words. Per cubic meter			V P	Excavation in soil in Hilly Area in all kind of said by inscriments bed and lift as per Technical Specification Clause side slopes and disposing of excavation and with a lift upto any lead and lift as per Technical Specification Clause side slopes and disposing of excavation and with a lift upto any lead and lift as per Technical Specification Clause
Earnest Money Time 2 Months 7.7 7.7 7.7 Rate in Rate in words. Unit. Describing	meter		7.95	of and trimming of
Earnest Money 2 Months D. 7/420 to 7/435) Rate in Rate in words. Unit.	Derribio	figures.		Sub-head and Item of works.
Earnest Money Time D. 7/420 to 7/435)			ÿ	Name of Work: R/R Dameges on Parsa Chiuff Lower Rose Chiuff
		- 1	t R.D. 7/420 to	Chhinari road k.m. 0/0 to 10/300 (S.H.: C/O R/Wall in PCC
	2 Months	Time		
	7300/=	Earnest Money		
SCHDUEL OF QUANTITY Estimated Cost 3.64.931/=	3.64.931/=	Estimated Cost		SCHDUEL OF QUANTITY

Executive Engineer B&R .Divn. HP.PWD Rohru

		ω	N	pd	No	Sr.				N	4	
		Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS.280 and IS.4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301or as directed by the Engineer-In-Charge	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	Excavation in soil in Hilly Area in all kind of sand by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volumely, or as directed by the Engineer-In-Charge.		Sub-head and item of works.				Name of work A/N & M/O NO NOR	-£ vv 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SCHEDULE OF QUANTITY
- Control		164.06	27.30	31.30		Quantity. Rate					S.H:- C/	YTITY
		A STATE OF THE STA			mgures.	Rate in					_	
						Rate in words.				:	Wall in wire crate	
lotal	Tatal	. C	Ter Cum		Per Cum	Unit	Time	Earnest Money 99594/-	Estimate Cost 4,79,727/-		at R.D. 20	
						Amount.	2 Month.	y 99594/-	4,79,727/-		R.D. 20/820 to	

Executive Engineer
B&R Divn. HP.PWD
Rohru.

SCHUEDLE OF QUANTITY

Estimated cost Rs341441/-EARNEST MONEY Rs 6888/-TIME : Two month

Name of work - R/R damages Undo Niwas Jakhar road km (SH- C/O R/wall at RD 3/310 to 3/330)

	•				Total:-	
	per cubic metre			14.60	Back filling behind abutment wing wall and return wall with granular materials complete as per drawing and technical specification clause 1204.3.8 including carrige of materils as per direction of Engineer in charge	7
	per cubic metre			39.76	construction of dry rubble masonary for retaining walls, breast walls, revetment walls and parapets etcetra for sub-structure and super structure complete as per drawing and MORD Technical Specification clauses 704.6 and 1302.5 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.	o
	per cubic metre			22.07	Random masonry Istone masonry uncoursed brought to courses with hard stone of approved quality in foundation and plinth in cement mortar 1:6(1cement :6sand)complete as per drawing and technical specification clause 702,704 1202 and 1203 HP/PWD specificatio 1990 volume-I within all leads and lifts as per direction of Engineer in charge) U1
	per cubic metre			3.60	Providing and laying mechanical mixed and vibrated cement concrete for plain/ reinforced concrete in open foundation for all type of structure complete of plain cement concrete nominal mix 1:4:8 (One cement: four sand: eight graded crushed stone aggregate)20 mml specification clauses 802,803,1202 and 1203 as per direction of Engineer-in-Charge including carriage of material through all modes of transportion with in all leads and lifts and other incidentials.	4
	per cubic metre			8.60	Providing and laying mechanical mixed and vibrated cement concrete for plain/ reinforced concrete in open foundation for all type of structure complete of plain cement concrete nominal mix 1:6:12 (One cement: six sand : twelve graded crushed stone aggregate) 40 mm (forty millimetre) nominal size oal specification clauses 802,803,1202 and 1203 as per direction of Engineer-in-Charge including carriage of material through all modes of transportion with in all leads and lifts and other incidentials.	ω
	per cubic metre			18.00	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 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. in ordinaryrocks up to 3 mtr depth within all leads and lifts as per directions of Engineer in charge	
	per cubic metre			24.40	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with in all leads and lifts as per drawing and Techical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.	
Amount	unit	Rate in Words	Rate in Figure.	Quantity	Description of items	or No

Executive Engineer B&R Dipp-HP.PWD Rohru

Estimated cost Rs 390066/-EARNEST MONEY Rs7800/--TIME : Two month

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	ork in expansion for all type of road structure such as retaining wells becost wells private
_	Earth work in excavation for all type of road structure such as retaining walls,breast walls,culverts,drains and parapets etcetera in all type of classification of soil comprising of ordinary soil,ordinary rock,hard rocks,chiseling/wedging out of rock (where blasting is prohibited) as per drawing and MORD technical specification Clause 305.1 and as per direction of the Engineer-in-Charge in
2	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with in all leads and lifts as per drawing and Techical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.
3	Providing and of boulder apraon apron laid in wire crate with 4mmm wire conmforming to IS 280 and 4826 100mm (wooven diagonallay) in cl,udiong 10 percent exrta for laps and join ts laid with stone boulders weighing not less than 25kg each as per drawing and technical specification clause 1301 within al,I leads and lifts as per directions of Engineer in charg
4	Back filling behind abutment, wing wall and return wall with Granular material complete as per drawings and technical specification clause 1204.3.8 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.
	The second secon

Executive Engineer B&R Div HP.PWD Rohru

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	O			524.10	Excavation in hilly area in all heights and depths in all kinds of soil by manual /mechanical means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of rower including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of rower including soil soft soil setting out true to the require (where blasting is prohibited) and other intermediate classification of soil setting out true to the require including soil soil setting out true to the require including soil setting out true to the require including soil setting out true to the require including and soil setting out true to the require including and soil soil soil setting and soil setting and soil soil setting and stacking the same in all leads and lifts in acquired width of the road or on approvements and transportation of useful materials to required width of the road or on approvements and safety means and other incidentals necessary to complete the work by mechanical means and/or labour if required. All useful materials such as stone, shingles, aggregates, sand and means and/or labour if required. All useful materials such as stone, shingles, aggregates, sand and slates shall be sorted out and stacked along road side which shall not be less than 1/3 (One third) for slates shall be sorted out and stacked along road side which shall not be less than 1/3 (One third) for slates shall be sorted out and stacked along road side which shall be the absolute responsibility of the entire public/private property during the course of execution shall be the absolute responsibility of the entire public private property during the course of execution shall be done on pro-rate basis in each running bill shall be controctor what so ever the nature of the same may be. The servicable material will be stacked specified/ dimension in all leads and lift as per the direction of Engineer in charge.
Amount	Unit.	Rate in world	Rate in figures	Sty	Sr Sub Head/items of work.
1,31,497/= 2630/= 2 Months		Estimated Cost Earnest Money Time			1/405 to 1/525)
n R.D.	lient from	vement and down rulling gradient from R.D	ement ar	Widening, Improv	SCHEDULE OF QUANTITY C/O Harijan Basti road to Nawga Plother road k.m. 0/0 to 4/500 (SH:-

Executive Engineer, Rohru Division HP PWD, Rohru.

SCHEDULE OF QUANTITY

Name of work- C/O link road to Baghi km 0/0 to 3/0(SH-Windeing of narrow reaches at RD 1/180 to 0/600)

Estimated cost Rs 472937/-Earnest monery Rs-9500/-/-Time :-Two month

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	GINC.		1 Excavation in earth work in hilly a	including saturated soil comprising of the carried against soil erosion, damage to hill side stability of hill side rock shall be excave (where blasting is prohibited). All earth excavation shall be carried out true to and level as shown on the drawing as conformity with the requirement of tect 2004 clause 16.2 of general conditions width including hauling and stacking of sites and stage, disposal of unsuitable trimming filling of unevenness blindage diamensions or as directed by Enginee useful stones shall be made @300/-per bill. Any loss to the public and private per persorted by the contractor what so e servicable material will be stacked out
	Sub-Head/Item of work.	2	Excavation in earth work in hilly area in all heights and denths in all kinds of soil	including saturated soil comprising of mixed soil, ordinary and hard rock. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side. Water pollution, etc and to protect soil stability of hill side rock shall be excavated with chiseling and wedging our rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to ine, grades, slops, width, camber, super elevation and level as shown on the drawing as per direction of Engineer in Charge in conformity with the requirement of technical specification for rural roads august width including hauling and stacking of material useful for construction at suitable width including hauling and stacking of material useful for construction at suitable sites and stage, disposal of unsuitable cut material in specificide manner, diamensions or as directed by Engineer in charge for smooth riding. The recovery of useful stones shall be made from the contractor and recovey249.96 cubic meter useful stones shall be made @300/-per cubic meter on prorata basis in each running be resorted by the contractor what so ever the nature of the same may be. The servicable material will be stacked out specified /dimension in all leads and lifts as per the direction of Engineer in Charge.
	Quantity	,	2000 - 20	1922.79
•		In Figures.	4	
	Rate	in Words	5	• •••
	Unit.		5	per cubic metre
	Amount		6	40

Executive Engineer
B&R Divn HP PWD
Rohru

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	Excavation in hilly area in all heights and depths in all kinds of soil by manual Imechanical means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of rock including saturated soil comprising of side slopes and level as shown on the drawing and as directed (where blasting is prohibited) and other intermediate leassification of soil setting out true to the required (where blasting is prohibited) and other intermediate 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 Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause grade improvements and disposal of all un-useful materials for filling in road way, camber, embankments for soil setting the croad and transportation of useful materials to required width of the road or on approved grade improvements and safety means and other incidentals necessary to complete the work by mechanical mechanical means, along with its levelling fine dressing, and carriage of machineries, materials tools during sites, through all modes of transportation including head load or animals transport or mechanical mechanical means, along with its levelling fine dressing, and carriage of machineries, materials tools and safety means and other incidentals necessary to complete the work by mechanical mechanical materials such as stone, shingles, aggregates, sand and slates equipments and safety means and other incidentals necessary to complete the work by mechanical mechanical materials were soft rock 1/10th (one 10th) jumper work in all cases failing which recovery shall be effected on the prevailing market rates. Any loss to the public/private property work hard rock 1/8th (One sixth) blasting work soft rock 1/10th (one 10th) jumper work in all cases as per direction of the Engineer-in-Charge including have to be duly compensated b		Name of Work:- C/O Bouli nallah to Dharkuli 1040 5 to 1/845.)	DRAFT SCHDUEL OF QUANTITY DRAFT SCHDUEL OF QUANTITY of United to m 0/0 to 3/500 (SH:- Widening and re- grading of
otal	1797.110 e	Qty		iding of
		Rate in		5/7 mtr w
		Rate in world	Estimated Cost Earnest Money	5/7 mtr wide road at R.D. 0/0 to 0/180 and 1/800
	CE	Unit.		.o 0/180
		Amount	4,97,820/= 9760/= 2 Months	and 1/800

Executive Engineer, Rohru Division HP PWD, Rohru.

JOS NOG.

	drawing and technical specifications	3 Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to 30.70 IS.280 and IS.4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent IS.280 and IS.4826 in 100 mm x 100 mm weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone laps and joints laid with stone labels and joints label	all leads and lifts, as per HPPWD, specification of	I, or as directed by the Engineer-In-Charge.	1 Excavation in soil in him Your and the state of the solution	-	Quantity. Rate in Rate in words			****	Name of Work.:- R/R Dameges on Umladwar Frog Khalawan Khad road k.m. 0/0 to 12/565 [S.H:- C.] wire crate at R.D. 8/360 to 8/390.]	SCUENITE OF OUANTITY
R	Total		Per Cum.	Per Cum.		Per Cum.	Unit	lime	Earliest World of Worth	Estimate Cost 2,84,4/4/-		in C/O R/wall in

Executive Engineer B&R Divlo. HR.PWD Rohru.

lotal				
			6 Back filling behind abutment wing wall and return complete as per clawing and icontinuous production of 1990 volume-I as directed by the Engineer-In-Charge.	0
Per Cum.		16.64	drawing face complete as per drawing and technical specification clauses614,709,1204,3.7.	
	r	32.00	Engineer-In-Charge 5 Providing weephole in brick masonary/stone masonry plain/reinforcement cement concrete abutment wing wall return wall with 100mm dia AC pipe extending through the full width of structure with slop of 1(V):20(H) towards	Úη
2.7			4 Providing and Laying concrete collicate 1550 (1907) plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, plain/reinforced concrete in open foundations complete as per drawing and technical specification of 1990 volume-I or as directed by the 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the	4
Per Cum.		63,65	by the Engineer-In-Charge	
CE	7	7.18	3 Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification of 1990 volume-1 or as directed 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-1 or as directed	w
			lead and lift, dressing of sides and bottom drug backing in schools and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including materials.	***************************************
		. 5 8	2 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any	N
Per Cum.	Pe	2		
meter.	me	12.79	1 Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause side slopes and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	
Per cubic	סט	figures.	Sub-head and Item of works.	
Unit. Amount.	Rate in words.	Quantity. Rate in		
)61.40)	Name of Work:- R/R Dameges to RCD road k.m. 2/00 to 21/195 (SH:- C/O R/Wall in PCC 1:3:6 at R.D. 6/051.40 to 6/061.40)	Nam
2 Months				
9780/=				
4,88,831/=	Estimated Cost 4,8		SCHDUEL OF QUANTITY	
	-			



		3 Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm × 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301or as directed by the Engineer-In-Charge	excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the	deleterious material and disposal upto a any lead and lift, diessing of sives and source and backfilling in trenches with excavated suitable material useful material available from backfilling in trenches with excavated suitable material useful material available from backfilling.	2 Earthwork in excavation for structures as per drawning and remniscion of stumps and other 305.1 including setting out, construction of shoring and literating, removal of stumps and other 305.1 including setting out, construction of shoring and literating of sides and hottom and	is a second of the second of t	per recilibrat opcombancy Canada.	trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as		No	Sr. Sub-head and item of works.					0/345,0	Name of Work :- C/O Link road Karchhari to Thamtivir k.m. 0/0 to 0/700 (S.H:- C/O B/Wall at R.D. 0/340 to	SCHEDU	
		conforming to 156.24 g 10 per cent g each as per ln-Charge	ected by the	vallable from		tions Clause 20.00		990 Volume-	COUNTRY OF SELECTION	-	Kname	Oment	And the second s	THE PROPERTY OF THE PROPERTY O		0/345,0/410 to 0/455.)	tivir k.m. 0/0	SCHEDULE OF QUANTITY	
		24				0				Ö	figures.	Ougntity Rate in	A CARLON CONTRACTOR OF THE CARLON CONTRACTOR O			5.)	to 0/700 (S	TY TY	
•												Rate in words.		(A) 1 mg (A)			.H:- C/O B/Wa	The state of the s	
otal	4	7 0 0 0 0				Per Cum.				Per Cum.		Unit	Time	Earnest Money 9300/-	Estimate Cost 4,61,099/-		ll at R.D. O		
												Amount.	2 Month.	9300/-	4,61,099/-		/340 0		

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185 NO 1

Total			drawing face complete as per grawing and recommend programmed and recommend to the second progra
			wall return wall with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the full width of substitute with 100mm dia AC pipe extending through the 100m
			4 Providing weephole in brick masonary/stone masonary plain/reinforcement centering with span of 10/120(H) towards
Each		16,00	wind about concert shutment wind
			leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge
			Sepan foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all
meter.	· · · · · · · · · · · · · · · · · · ·	35.70	
O S S S S S S S S S S S S S S S S S S S			all leads allowing, as positive and provide a
			imaterial available from excavation to be properly stocked by the Engineer-In-Charge
			lead and lift, gressing of sides and bottom at the property starked and handed over to the department free of cost including
			out, construction of snoring and practice, retrieval of sciences with excavated suitable material useful
meter			2 Earthwork in excavation for structures as per grawing and iteratives and when deleterious material and disposal upto a any
Per cubic		10.80	including setting
		***************************************	1603.1 and as per HPPWD, specification of 1990 Volume-1, or as directed by the Engineer-In-Charge.
		-	side slopes and disposing of excavated earth with a lift upto any lead and lift as per lectrifical opening of excavated earth with a lift upto any lead and lift as per lectrifical opening to the state of the state
meter.		(1 Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including outling and utilities of
Per cubic		13.50	SUD-TERM RIVERS OF THE PROPERTY OF THE PROPERT
	Kate in Rate in words.	Quantity.	cub head and item of works
Unit Amount			
			Name of Work: R/R Dameges on Nansakou kuttara uruguo.
	0.)	D. 7/415 to 7/43	Consolicati kuttara dalgaon road k.m. 0/0 to 15/00 (SH:-C/O B/Wall in PCC 1:4:8 at R.D. 7/415 to 7/430.)
2 Months	Time		
4080/=	Earnest Money		
2,03,0117=	Estimated Cost		SCHOOLE OF KOMMEN
000000			SCHOLE OF DIANTITY

Executive Engineer B&R .Divn HP.PWD Rohru

	W	Ν		70	Name	·
by the Engineer-In-Charge	Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification of as directed size.	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	Sub-head and Item of works.	Name of Work:- R/R Dameges to Samoli Bhatwari Road k.m. 0/0 to 7/00 (SH:- C/O Solid Cause way at R.D. 6/740 to 6/	SCHDUEL OF QUANTITY
41.09	12.15	13.60	12.80	Quantity.	to 6/750)	
				Rate in figures.		
				Rate in words.		Estimated Cost Earnest Money
Per cubic meter	meter:	meter.	Per cubic meter.	1		7 6 5 NO 12 3,79,569/= 7590/= 2 Months
Ō				Amount.		

4.

Providing and Laying concrete concrete M-10 (1.3.6 (1cement: 3 sand: 6 graded stone aggregate 25mm nominal

8,44

Per cubic meter.

meter

8.44

802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses

Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to

etc. complete as per HP.PWD specification. 150 mm spread thickness (finished work including materials and labour) the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth including all leads and lifts, as per HPPWD, specification of 1990 Volume-I, as directed by the Engineer-In-Charge.

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by the Engineer-In-Charge

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Providing & laying plain reinforcement concrete in sub structure as per drawing & technical specification clause 802,803,805,806,1202 Pcc 1.2.4 including all leads &lift or as per direction of Engineer in Charge.

Executive Engineer
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Rohru

Total meter. Per cubic

		2)	No	Sr.		_				\neg
	3 Providing and laying of IS:280 and IS:4826 in extra for laps and joints drawing and technical s		No	Sr.					Name of Work.:- F	
	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm \times 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301or as directed by the Engineer-In-Charge	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge		Sub-head and item of works.				crate at R.D. 0/800 to both side)	Name of Work .:- R/R Dameges on Link road to Gumma Village k.m. 0/0 to	SCHEDULE OF QUANTITY
	109.38 t	15.45		Quantity. Rate				to both s	ıge k.m. (UANTITY
			figures.	Rate in				side))/0 to 1/	
				Rate in words.					1/00(SH:- C/O Abutment wall in wire	
Total	Per Cum.	Per Cum.		Unit	Time	Earnest Money 19,000/-	Estimate Cost 9,48,248/-		utment wai	
				Amount.	2 Month.	19,000/-	9,48,248/-	NA CONTRACTOR OF THE PROPERTY	ll in wire	
	-					9	Q	Ą		

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C/O link road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:-F/C 5/7 mtr wide road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:-F/C 5/7 mtr wide road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:-F/C 5/7 mtr wide road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:-F/C 5/7 mtr wide road to the following of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of road rated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of road rated soil comprising of side slopes and level as shown on the drawing and as direct serio-charge at site according to the M.O. R.D. Technical Specification Clause (S03.2, sorting out useful material and stacking the same in all leads and lifts in acquired coad and transportation of useful materials to required width of the road or on approvements and disposal of all un-useful materials to required width of the road or on approvements and stacked along fine dressing, and carriage of machineries, materials tools means, along with its levelling fine dressing, and carriage of machineries, materials tools reported out and stacked along road side which shall not be less than 1/3 (One third) for sorted out and stacked along road side which shall not be less than 1/3 (One third) for excepted out and stacked along road side which shall not be less than 1/3 (One third) for excepted out and stacked along road side which shall be the absolute responsibility of the entire which recovery shall be effected on the prevailing market rates Any loss to the property during the course of execution shall be the absolute responsibility of the entire which shall have to be duly compensated by him in all cases as per direction of the Engine which shall have to be duly compensated by him in all cases as per direction of the Engine which shall be done on pro-rata bassis in each running bill for this @ Rs. 300/- Per cubic metre shall be done on pro-rata bassis in each running bill for this on the property during the course of excevation shell be resorted by the following the course of exceva					
C/O link road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:- F/C 5/7 mtr wide road at R.D. 0/0 to 0/225.) Estimated Cost Earnest Money Time Time Time To work. Cty Rate in World Unit.	- Cum.				Excavation in hilly area in all heights and depths in all kinds of soil by manual /mechanical means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of roc including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of roc including saturated soil comprising of side slopes and level as shown on the drawing and as direct by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause by the Engineer-in-Charge at site according to the M.O.R.D Technical Specification Clause width of the road and lifts in acquired width of the road or on approve grade improvements and disposal of all un-useful materials to required width of the road or on approve grade improvements and disposal of all un-useful materials to required width of the road or on approve during means, along with its levelling fine dressing, and carriage of machineries, materials tools means and/or labour if required. All useful materials such as stone, shingles, aggregates, sand and means and/or labour if required. All useful materials such as stone, shingles, aggregates, sand and states shall be sorted out and stacked along road side which shall not be less than 1/3 (One third) for slates shall work hard rock 1/6th (One sixth) blasting work soft rock 1/0th (one 10th) jumper work in all blasting work hard rock 1/6th (One sixth) blasting work soft rock 1/0th (one 10th) jumper work in all blasting work and in all cases as per direction of the Engine rock 1/6th (one 10th) grade in course of excavation shell be resorted by item. Any loss to the public and private property during the course
DRAFT SCHEDULE OF QUANTITY C/O link road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:- F/C 5/7 mtr wide road at R.D. 0/0 to 0/225.) Estimated Cost 66 Earnest Money 21			Rate in	Qty	
DRAFT SCHEDULE OF QUANTITY C/O link road Tutupani Nalaban k.m. 0/0 to 5/500. (S.H:- F/C 5/7 mtr wide road at R.D. 0/0 to 0/225.)	3,26,151/= 6600/= 2 Months	Estimated Cost Earnest Money Time			
		.)	/0 to 0/225		\$i

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SCHEDULE OF QUANTITY.

Estimated Cost Earnest Money Time

4,73,736/= 9500/-2 Months

Sr	Sub-head and Item of works.	antity.	Rate in	Rate in words.	Unit. Amount
	The second second is all kind of second by mechanical/ means including cutting and trimming of side slopes	18.48	9	- Comment of the Comm	Per cubic
د	excavation in soil in mility Acea in all Nillo of sails by Incorporate and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and last per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.				
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any out, construction of shoring and bracing, removal of stumps and other deleterious material useful	27.12			Per Cum.
	lead and lift, dressing of sides and bottom and backtilling in trefleres with excerted serior process including material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge				
ω	Providing and Laying concrete concrete 1.6.12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed	ω 4. α			
4	by the Engineer-In-Charge Providing and Laying concrete concrete 1:4.8 (1cement: 4 sand: 8 graded stone aggregate 25mm nominal size) in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all	5.64			Per Cum.
	leads and lifts, as per HPPWD, specification of 1990 volumes of as directed by the English	36.06			Per Cum.
(J)	Random rubble masonystone masony(un-coursed/brought to courses)with hard stone ofapproved quality in foundation in cement mortar 1:6(1cement 6sand) complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 including all leads and lifts, or as per HPPWD. Specification of 1990 Volume-I, asdirected by	3 6 9			<u>(</u>
တ	the Engineer-In-Charge. Construction of dry rubble masonary for retaining walls, breast walls, revetment walls and parapets etc. for substructure and super structure complete as per drawing and technical specification clauses 704.6 & 1302.5 including all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge	53.86	000000		Per Cum.
7	Boulder filling behind abutment wing wall and return complete as per drawing and technical specificastion as directed by the Engineer-In-Charge	11 52			Per Cum.

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Rohru.

		1	
1000			Charge
Total			7 Back filling behind abutifient with war with the Figure 1.1. Back filling behind abutifient with war with the Figure 1.1. Back filling behind abutifient with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with war with the Figure 1.1. Back filling behind abutifier with the Figure 1.1. Back filling behind a supplier with the Fig
meter.		5.76	drawing face complete as per drawing and technical specification clauses 14,703,103,103,03, drawing face complete as per drawing and technical specificastion
Percubic			6 Providing weephole in brick masonary/stone masonary with stop of 1(V):20(H) towards wall return wall with 100mm dia AC pipe extending through the full width of structure with stop of 1(V):20(H) towards
П а С		31.00	the Engineer-In-Charge.
n 3 3 5			
meter		1	5 Random rubble masonrystone masonry(un-coursed/brought to courses)with hard stone ofapproved quality in
Per cubic		7, 00	leads and lifts, as per HPPWD, specification of 1990 volumes of as an execution of 1990 volumes of 1990 volumes of as an execution of 1990 volumes of 199
		-	open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all
meter		4.23	by the Engineer-In-Charge (10-cmpn; 4 sand; 8 graded stone aggregate 25mm nominal size) in
Der Cubio			one one 1202 and 1203 including all leads and lifts, as per HPPVUI, specification of 1202
			3 Providing and Laying concrete concrete is open foundations complete as per drawing and technical specification clauses
meter.	Accessed to the second	6.75	1.6.12 / cement: 6 sand; 12 graded stone aggregate 40mm nominal
Per cubic			all leads and lifts, as per HPPWD, specification of 1990 volume-tiple as uniconcern and as uniconcern as a second
			lead and lift, dressing of sides and whether the property stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including the first over the
			2 Earthwork in excavation for structures as per drawing and technical specifications Clause 300. Industrial and disposal upto a any
meter		26.91	1603.1 and as per minimum. Specification of the contraction of the contraction setting
			side slopes and disposing of excavated earth with a lift upto any lead and lift as per local life. Side slopes and disposing of excavated earth with a lift upto any lead and lift as per local life.
meter		20.20	
Per cubic	figures.		
Unit. Amount.	Rate in Rate in words.	antity. R	Name of work :- C/O Link I Can to Control of the link I Can to Control of
			CO link road to Gheota Ghasni k.m. 0/0 to 3/400 (SH:- C/O R/Wall at R.D. 0/581 to 0/590)
2 Months	Time		
9200/=	Earnest Money		
4,58,362/=	Estimated Cost		SCHDUEL OF QUANTITY

Executive Engineer B&R .Divp. HP.PWD Rohru

SCHUEDLE OF QUANTITY

Estimated cost Rs450702/-Earenst Money Rs9100-/--TIME : Two month

Name	Name of Work -Rich Damages to Badiyara Nandia road km 0/0 to 7/0(SH-C/O R/Wall at RD 2/240 to 2/262)				
Sr No	Description of items	Quantity R	Rate in Figure.	Rate in Words	unit
	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with in all leads and lifts as per drawing and Techical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts and other incidentals.				per cubic metre
N	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 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material in ordinaryrocks up to 3 mtr depth within all leads and lifts as per directions of Engineer in charge	26.62			per cubic metre
ω	Providing and laying cement concrete 1:6:12(1cement :6 sand 12graded stone aggregate 40mm nominal size)for plain /concrete in open foundatin concerete complete as per drawing and tehcnical cluase 802,803,1202 and including all leads and lifts as per HP.PWD specification 1990 volume _i within all leads and lifts as per directions of Engineer in charge	9.02			per cubic metre
4	Random masonry Istone masonry uncoursed brought to courses with hard stone of approved quality in foundation and plinth in cement mortar 1:6(1cement :6sand)complete as per drawing and technical specification clause 702,704 1202 and 1203 HP/PWD specificatio 1990 volume-I within all leads and lifts as per diretion of Engineer in charge	77.44			per cubic metre
თ	Back filling behind abutment wing wall and return wall with granular materials complete as per drawing and technical specification clause 1204.3.8 including carrige of materils as per direction of Engineer in charge	8.80			per cubic metre
	Total:-				Total .

Executive Engineer
B&R Divn HP.PWD
Rohru

SCHEDULE OF QUANTITY

12 NO 10

Estimate Cost Earnest Money Time 2,97,000/ 6000/ 60 Days.

Name of work :- Restoration of rain dameges on various road under Rohru Sub-Division Section Summerkot (SH:-Hiring of Tipper for carriage of muck.)

leads and lifts.	Hiring of Tipper for carriage of materials having capacity 400 cft including P.O.L charges, Hiring of Tipper for carriage of materials having capacity 400 cft including P.O.L charges, shifting charges and other ancilliary equipment as required at site of work. The work shall have shifting charges and other ancilliary equipment as required at site of work. The work shall have shifting on the carried out as per Ministry of Transport specifications of the Engineer-In-Charge including all the carried out as per Ministry of Transport specifications of the Engineer-In-Charge including all the carried out as per Ministry of Transport specifications of the Engineer-In-Charge including all the carried out as per Ministry of Transport specifications.	Sr.N Sub-Head and Item of Works		
	45.00	γ.	Quantit	
			Quantit Rate in figures.	
			Rate in words.	A
Total.	Ş	700	Unit	
			Amount	2

Executive Engineer, B&R Division HPPWD,

Rohru.

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	SCHDUEL OF QUANTITY Job No.			חיר: איראא הייא הייא	4,50,697/=
				Earnest Money	9100/=
				Time	2 Months
Na	Name of work: R/R Dameges to Mehandli Tikkar Pujarli road k.m. 0/0 to 28/500 (SH:- C/O R/Wall in PCC at R	R.D. 1/750 to 1/765)	to 1/765)		
		antify	Rate in	Rate in words.	Unit. Amount.
	Sub-head and item of works.	Quantity.	figures.	NATE II WOODS.	
	Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of	14,25			Per cubic meter.
	1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.				
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any out, construction of shoring and bracing in transfer with expavated suitable material useful	14.78			meter.
	material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPVVD, specification of 1990 volume-I or as directed by the Engineer-In-Charge				
ω		8.40			Per cubic meter.
	size)for plain/reinforced concrete in open foundations complete as per unawing and accommod open for as directed 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed				
4		65.40			meter.
	leads and litts, as per HPPVVD, specification of 1990 volume of the control of the property of the control of t	26.00			Each.
Cη		0			
T	drawing face complete as per drawing and technical specification	24.00			Per cubic
σ					
	Charge.				Total

Executive Engineer B&R .Divn HP PWD Rohru

SCHEDULE OF QUANTITY

ESTIMATED COST:Rs. 4,95,600./Earnest Money 9900/
TIME ALLOWED :- 59 days

Jah Noro

Name of work - Restoration of rain dameges on various road under Chirgaon Sub-Division Section Badiyara. (SH:-Hiring of J.C.B for removal of slips at various R.D. and maintenance of roads, and dressing of road surface.)

		C. No
	Hiring of J.C.B(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum lincluding P.O.L charges, shifting charges and other anciliary equipments as required at site of including P.O.L charges, shifting charges and other anciliary equipments as required at site of work for removal of snow & slips in all heights in all kinds of soil such as kankar, moorum shingle work for removal of snow & slips in all heights in all kinds of soil such as kankar, moorum shingle boulders decomposed or soit variety of soil such as spade work, pick work, Jumper work, soft rock, hard rock including their intermediate classification of soil including mechanical transportation of necessary. The disposal of this un-serviceable material has to be done in the acquired width of the road to avoid damage to the properties of the people or in case any damage acquired width of the road to avoid damage to the properties of the people or in case any damage to the department and maximum useful quantity of stones from removal of slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-Incharge including all leads and lifts.	or No Run-Head and Item of works.
	100 kg 89 kg	Quantity
		Quantity. Rate in figures.
		Rate in words.
,	day	Cnit
ļ		7

Executive Engineer Rohru <u>Division, H</u>P PWD Rohru.

SCHEDULE OF QTY

Estimate Cost 126000.00 Earnest Money 2500.00 Time 15 Days.

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		y	en e e	
			25.75p	Neme:
P.O.L charges, shifting charges and other anciliary equipments, with in all leads and lifts as directed By Engineer Incharge Min. 18.00 Cum of earth shall be done by Machine in one Hours, shall be dudected accordingly. J.C.B shall be deployed for dressing of burns shoulders, clearance of drain, culvert, removal of excess soil from road surface filling up of pot holes with suitable materials from borrow pits and removal of slips where ever on the road surface with in all leads and lifts as directed by Engineer In charge.	Hiring of J C B/Excaveror Cum I goden beneather the second of the second		Sub-Head and from of works are also secured and in the secured secured and in the secured secu	Name of work : R/R damage on Various road under Robrit sub-division /sample species 1/2011 11:00.
-3 5 0 0		Quantity:	Ing of Jud	,)
	figures.	***	for removal of	
		Rate in words.	removal of slip and maintenance of road	Time
Per day		Unit	nance of road	15 Days.
		Amount.		

Total

Executive Engineer, B&R Division HPPWD, Rohru.

gir.

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18 60 2Y

			Cliving
Total			Charge Charge
meter.		0.00	7 Back filling behind abutment wing wall and return complete as per drawing and technical specification of 1990 volume-I as directed by the Engineer-In-
Per cubic		٥٥٥	all leads and lifts, as per ner avol, specimenton of
		The second second	6 Construction of dry rubble triasurary is receiving and technical specification clauses 704.6 & 1302.5 including structure and super structure complete as per drawing and technical specification clauses 704.6 & 1302.5 including structure and super structure complete as per drawing and technical specification clauses 704.6 & 1302.5 including structure and super structure complete as per drawing and technical specification clauses 704.6 & 1302.5 including
meter.		29.81	the Engineer-In-Charge. the response for retaining walls, breast walls, revetment walls and parapets etc. for sub-
Percubic			702, 704, 1202 & 1203 including all leads and lifts, or as per HPPWD Specification of 1990 volunties, assurance of
7.			5 Random rubble masonystone masony(un-coursed/brought to courses)with the course specifications Clauses foundation in cement mortar 1:6(1 cement:6sand) complete as per drawing and technical specifications Clauses
Per cubic		22.29	leads and illis, as per in the constraint and stone of approved quality in
			open foundations complete as
meter.	name de propose de la constitución de la constituci		Engineer-In-Cital ye
Per cubic		7 07	1202 and 1203 including an icono and including
			plain/reinforced concrete in open foundations complete as per drawing and technical specification of 1990 volume-I or as directed by the
meter.		08.02	
Per cubic			all leads and lifts, as per HTTVVU, specification or 1000 volume.
			material available from excavation to be properly stacked and flatilized over to the Engineer-In-Charge
			out, construction of single and bottom and backfilling in trenches with excavated suitable material useful lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful.
			2 Earthwork in excavation for Siluciules as per claiming and other deleterious material and disposal upto a any
meter		19.85	Clause 305.1 including setting
Percubic			side slopes and disposing of excavated certification of 1990 Volume-I, or as directed by the Engineer-In-Charge.
1			ation CI
Per cubic	ndures.	16.72	Sub-head and Item of works.
	Rate in Rate in words.	Quantity.	Will George Transfer
			The Mini Codham road k m. 0/0 to 3/00 (SH:-C/O R/Wall at R.D. 0/585 to 0/596.)
Z MORUIS	Time		
7149/=	Earnest Money		
3,5/,463/=	Estimated Cost		SCHDUEL OF QUANTITY
12 21 22 1			TOTAL

Executive Engineer B&R Divn HP:PWD Rohru

	Total				clauses614,709,1204.3.7.	
					Providing weephole in brick masonary/stone mason; plantification with slop of wall, return wall with 100mm dia AC pipe extending through the full width of structure with slop of 1(V);20(H) towards drawing face complete as per drawing and technical specification	
•	rach.			16.00	Charge. Charge concrete abutment win	
	meter.			14,28	Back filling behind abutment wing wall and return complete as per drawing and technical specificastion including all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-	
5	meter.			55.76	by the Engineer-In-Charge 4 Providing and Laying concrete concrete 1:4.8 (1cement: 4 sand: 8 graded stone aggregate 25mm nominal size) in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPVID. specification of 1990 volume-I or as directed by the Engineer-In-Charge	
5	meter.			7.65	3 Providing and Laying concrete concrete 1.6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed	(3)
					out, construction of should all backing, contact of some property stacked and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material available from excavation to be properly stacked and handed over to the department free of cost including material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPVVD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	
č	meter.			22.10	2 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting	2
5	meter.			1.02	1 Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including outling and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	
ic	Per cubic		figures	3	Sub-head and Item of works.	
Amount.	ords. Unit.	Rate in words	Rate in	Quantity.		li
			5 2/702)). 2/685 to	Name of work :- R/R Dameges to Sainji Munchara Road k.m. 0/0 to 6/00. (SH:- C/O R/wall in PCC 1:4 at R.D. 2/685 to 2/702)	Z
3	2 Months	Time				
<u> </u>		Earnest Money				
<u> 11</u>	Cost 3,67,314/=	Estimated Cost			SCHDUEL OF QUANTITY	



SCHEDULE OF QUANTITY

Estimate Cost Earnest Money

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1,65,000/ 3300/ 25 Days.

Name of work :- Restoration of rain dameges on various road under Chirgaon Sub-Division Section Dhamwari (SH:-Hiring of Tipper

for carriage of muck.)

Sr.N |Sub-Head and Item of works Hiring of Tipper for carriage of materials having capacity 400 cft including P.O.L charges. 25.00 shifting charges and other ancilliary equipment as required at site of work. The work shall have to carried out as per Ministry of Transport specifications of the Engineer-In-Charge including all leads and lifts. Quantit Rate in figures. Rate in words. Day Unit Total. Amount.

B&R DWISION HPPWD, Executive Engineer,

21	1 11	tone solin	ig at R.d.	Estimate Cost Earnest Money Time:- 0/440 to 0/800]	4,98,976/- 9980/- 2 Month.	
Nar	Name of work:- C/O Kui Nardu road k.m. 0/0 to 1/500 (SH:- P/L Kharunja stone soling at R.d. 0/440 to 0/800)	tone solin	g at R.d.	0/440 to 0/800]		
Sr.	Sub-head and item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount
ے د	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for subgrade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications and as directed by the Engineer in Charge.	1540.00			Per Sam	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications and as directed by the Engineer in Charge.	1540.00			Per Sqm	
ω	Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 150 mm spread thickness (finished work including materials and labour) including all leads and lifts, as per HPPWD, specification of 1990 Volume-I, as directed by the Engineer-In-Charge.	231			Per Cum	

Executive Engineer Rohru Division HP PWD Rohru.

T	ω	2	⊢ N	Sr.				Naı	
	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS 4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301or as directed by the Engineer-In-Charge	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	Excavation in soil in Hilly Area in all kind of sand by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	Sub-head and item of works.	Hallali	1.1101		Name of Work.:- R/R Dameges on Shallan Karchari Mandharli k.m. 0/0 to at R.D. 11/045 to 11/065.]	
	93.80	ည တ ထ	16.40	Quantity. Rate in figures.				l i	mymry
				Rate in words.				12/200(S.H:- C/O R/Wall in wire crate	The second secon
- 0.0	7. C.		TO CE	Unit	Time	Earnest Money 5514/-	Estimate Cost 2,75,727/-	२/Wall in w	
				Amount.	2 Month.	5514/-	2,75,727/-	rire crate	

Executive Engineer B&R Divn. HP.PWD Rohru.

Sr No. Sub-Head and Item of works. Name of work : Restoration of rain dameges on various road under Chirgaon Sub-Division Section Badiyara. Hirring of J.C.B(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum boulders decomposed or soft variety of soil such as spade work, pick work, Jumper work, soft work for removal of snow & slips in all heights in all kinds of soil such as kankar, moorum shingle including P.O.L charges, shifting charges and other ancillary equipments as required at site of to the department and maximum useful quantity of stones from removal of slips shall have to be rock, hard rock including their intermediate classification of soil including mechanical Charge including all leads and lifts. shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-Indone by machine in one hour, other wise number of hour shall be reduced accordingly. The work neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be took place, the contractor is liable for it. All salvaged material such as quarried stone shall belong acquired width of the road to avoid damage to the properties of the people or in case any damage transportation of necessary. The disposal of this un-serviceable material has to be done in the various R.D. and maintenance of roads, and dressing of road surface.) SCHEDULE OF QUANTITY Quantity. Rate in figures. 59.00 (SH::Hiring of J.C.B for removal of slips at Earnest Money 9900 TIME ALLOWED :- 59 days ESTIMATED COST:Rs. 4,95,600.1-Rate in words. Unit day Amount.

Executive Engineer Rohru Divisjon,FIP PWD Rohru. Total:-

7690.40 Cum.	1 Excavation in hilly area in all heights and depths in all kinds of soil by manual /mechanical means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiselling/wedging out of rock (where blasting is prohibited) and other intermediate classification of soil setting out true to the required line, graded 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 Clause 300,1603.1,1603.2, sorting out useful material and stacking the same in all leads and lifts in acquired width of the road and transportation of useful materials for filling in road way, camber, embankments for grade 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 animals transport or mechanical means, along with its levelling fine dressing, and carriage of machineries, materials tools equipments and safety means, and other incidentals necessary to complete the work by mechanical means and/or rabour if required. All useful materials such as stone, shingles, aggregates, sand and slates shall be sorted out and stacked along road side which shall not be less than 1/3 (one thid) for blasting work hard rock 1/6th (One sixth) blasting work soft rock 1/10th (one 10th) jumper work in all cases falling which shall have to be duly compensated by him in all cases as per direction of the Engineer-In-Charge including carriage of material within all leads and lifts. The rate including oction, royalty, in-Charge including carriage of material within all leads and lifts. The rate including oction, royalty, incharge including carriage of material within all leads and lifts. The rate including oction royalty in the controctor what so ever the nature of the same may be. The servicable material will be stacked out specified/ dimension in all leads and lift as per the direction of Engineer in charge.
y Rate in Rate in world Unit. Amount	Qty
Estimated Cost 4,13,1377 Earnest Money 8400/= 2 Months	
of narrow reaches at R.D. 0/135 to 0/438	to 3/500 (S.H:- V
8	SCHOLLE OF QUANTITY . Job No.

Executive Engineer, Rohru Division HP PWD, Rohru.

Total				
Per Sqm.	T		64.38	4 Supplying and fixing wovenplains G.L. Chain link fencing of mesh 50mm to 50mm to any type of standard rails, strainging bolts, etc. including provision of binding wire, staples etc and G.L. Wire 4mm dia including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge.
Per k.g.	77		1441.72	Steel work welded in built up sections, trusses and framed work, including cutting . hoisting , fixing in position and applying a priming coat of red lead paint. In gratings framed guard bars, ladders, railling, brackets and similar works, including all leads and lifts, as per HPPWD, specification or as directed by the Engineer-In-Charge.
Per cubic meter.	ת ס		40.50	2 Providing and Laying concrete concrete 1:3:6 (1cement: 3 sand: 6 graded stone aggregate 25mm nominal size)for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the
Per cubic meter.	٦ ٦		18.00	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge
Unit. Amount.	Rate in words.	Rate in figures.	Quantity.	Sub-head and Item of works.
			Ű	Name of Work:- Improvement of Black spot on TKHR road (SH:-C/O R/Wall & wire fencing at R.D. 80/550 to 80/576.)
2 Months	Time 2			
9987/=	Earnest Money 99			
4,99,342/=	Estimated Cost 4,9			COLOGIC
				SCHOUEL OF QUANTITY

Executive Engineer
B&R Divin HP.PWD
Rohru

Name of Work:- A/R & M/O Seven Nos Type -III Quarter at Housing Board Colony at Samala (S.H:- Providing and fixing cup board but the present thick presaminated board both side bwp phenol bonded exterior/interior grade shutters withframe of 1st all leads and lifts and other incidentals. Sub-nead and Item of works. Quantity.		Nan	
		ne of Work:- A/R & M/O Seven Nos Type -III Quarter at Housing Board Colony at Samala (S.H:- Providing and fix Sub-head and Item of works.	SCHOLEL OF OLIVITA
)		=== 1	
ard room & Rate in figures. Executive B&R Dive Rohru	Executive B&R Divy Rohru	ard room &	
Estimated Cost Earnest Money Time Time Rate in Rate in words. 9.52 Recutive Engineer B&R Diva HP-PWD Rohru	Engineer HD-PWD	Estimated Cost Earnest Money Time & Kitchen of flat No. 31A & 3	A STATE OF THE STA
4,93,859/= 9877/= 2 Months 2 Months 2 Months 4,93,859/= 2 Months 2 Months 2 Months 32A) 4,93,859/= 8		4,93,859/= 9877/= 2 Months	

		7	3		
	lotal				
					all leads and lifts and other incidentals.
					1 P/F 12 mm thick prelaminated opaid both side but placed bright finished plano hinges -25mm thick frame, inclusive of class deodar wood for cup board including nickel plated bright finished plano hinges -25mm thick frame.
	Ter uga			119.52	
			figures.		Sub-head and Item of works.
Amount.	Cnit.	Rate in words.	Rate in	Quantity.	
			9) (4 (4 (4 (4 (4)	Name of Work:- A/R & M/O Seven Nos Type -III Quarter at Housing Board Colony at Samala (S.H.: Floriding and Inches
	cup hoard room & Kitchen of flat No. 29A & 30A)	& Kitchen of f	pard room	<u> </u>	
5,	2 Months	Time			
<u></u>	y 9877/=	Earnest Money			
["	st 4,93,859/=	Estimated Cost			SCHDUEL OF QUANTITY

Executive Engineer B&R Diyn HPPWD Rohru

	סטופיים סייטיודע			Control of the Contro		
	SCHUUEL OF QUANTILE		LI,	Estimated Cost 2	2,99,647/=	
			m	Earnest Money 9:	9993/=	
			<u>a</u> l	Time 2	2 Months	
Nam	Name of Work:- A/R & M/O Kansakoti Kuttara Dalgaon road k.m. 0/0 to 14/600 (S.H:- C/O R/wall at R.D. 2/056 to 2/067.)					
	Sub-head and Item of works.	tity.		Rate in words.	Unit. A	Amount.
	-		ngures.	1	Per cubic	
	Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming or side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	 			meter.	
N	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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	42.24			Per cubic meter.	
ω	Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPVD, specification of 1990 volume-I or as directed	5.94			Per cubic meter.	
4.	by the Engineer-in-Clarge Providing and Laying concrete concrete 1:4:8 (1cement: 4 sand: 8 graded stone aggregate 40mm nominal size) in providing and Laying concrete concrete 1:4:8 (1cement: 4 sand: 8 graded stone aggregate 40mm nominal size) in copen foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	5.17			Per cubic meter.	
5	Random rubble masonystone masony(un-coursed/brought to courses)with hard stone ofapproved quality in foundation in cement mortar 1:6(1cement:6sand) complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 including all leads and lifts, or as per HPPWD Specification of 1990 Volume-I, asdirected by	83.71	A		Per cubic meter.	
0)	Back filling behind abutment wing wall and return complete as per drawing and technical specificastion including all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-	16.39			Per cubic meter.	
	Charge			:	Total	-

Executive Engineer B&R Divn HP.PWD Rohru

pipe I/c fittings joints 16 I with in all lead & lift soffits/ceiling 62.40 a coat of red lead hers of steel work bers of steel work oment and material to including all	of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge 4 Providing and fixing on wall face and laying in trenches etc PVC finolex type "A" rain water pipe including filling the joints with approvrd achesive and fixed with PGI sheet clampat required distance complete with No. of coller and claimps etc including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge. 150mm dia pipe 5 Providing and fixing on wall face PVC finolex accessories for rain water pipe I/c fittings joints with approved adhasive complete as per design I/c carriage of material with in all lead & lift and as per direction of Engineer-in- Charge. PVC plain bend 150mm dia. 6 Providing and fixing M.S. BP Sheet 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separtely)including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges or as directed by the Engineer-In-Charge
16 62.40	
166	
s and lifts and as per	
type "A" rain water 20 Rmt. I sheet clampat arriage of materials	of materials, labour, tool and plant through all modes of transportation wit lifts and as per direction of Engineer-in- Charge
mm thick prepainted 28 pped metallic zinc ating of back coat of -I including carriage within all leads and	3 Providing and fixing 20Cm, wide 90Cm, over all U-Shape gutter with 45mm thick prepainted steel sheet of TATA Duroshine and approved brand in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of back coat of polyster etc as required as per HP. PWD, specifications of 1990 volume-I including carriage
hot dipped metallic 14 Ic coating of 20 L hooks, bolts and e with all accessories arriage of materials, s and lifts and as per	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6 mm dia metre with prepainted impet and rubber washers complete with all accessories as required as per HP. PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant. through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge.
not dipped metallic 170 8 Sqm. c coating of 20 ns over 5 microns 6mm dia metre with equired as per the	1 Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/o fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessoriees as required as per the direction of Engineer-in-charge.
Quantity Rate in Rate in Words. Unit Amount.	Sr.No Sub-head and item of works
House Board Coloni. (S.H C/O Roofing Work at House No. 6 & 7.)	Name of Work.:- A/R & M/O Type III Quarter at Samala House Board Coloni. (S.
Time 2 Month.	
Earnest Money 9340/-	
Estimate Cost 4,66,985/-	

Executive Engineer, B&R Divn. HP:PWD, Rohru.

SCHDUEL OF QUANTITY		3 28 116/=
	Earnest Money	6500/=
	Time	2 Months
Name of work :- C/O Tikkar Tunadhar Kewaldhar Shahid Nathu Ram road k.m. 0/0 to 3/500. (S.H:- C/O B/Wall in P	in PCC 1:3:6 at R.D. 1/270 to 1/285.)	
Sub-head and Item of works.	Rate in Rate in words.	Unit. Amount
	+	Per cubic
Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.		meter.
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 any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge		Per cubic meter.
3 Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed		Per cubic meter.
4 Providing and Laying concrete concrete 1:3:6 (1cement: 3 sand: 6 graded stone aggregate 25mm nominal size)for 9/1/10 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the		meter.
Engineer-In-Charge		Total

Executive Engineer
B&R Divn HP-PWD
Rohru

)			
	Total					T
	meter.			70.01	5 Back filling behind abutment wing wall and return complete as per grawing and technical specification of 1990 volume-I as directed by the Engineer-In-Charge.	(P
	Per cubic			23.04	Engineer-in-Charge	
	meter.	•			4 Providing and Laying concrete concrete 1:3:6 (1cement: 3 sand: 6 graded stone aggregate 25mm nominal size) or plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations are per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations are per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations are per drawing and technical specification clauses 802, 803 plain/reinforced concrete in open foundations 802, 803 plain/reinforced 8	a
	Per cubic			80 00	by the Engineer-In-Charge	
	meter.			4.32	3 Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802 803 1202 and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed	ω
	000000000000000000000000000000000000000					
					lead and lift, dressing of sides and bottom and backfilling in trefricies with exceptation structure. Some material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	
	meter.			21.00	2 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any	2
	Per cubic			2,00		
			And the second s		side slopes and disposing of excavated earth with a lift upto any lead and lift as per lecrnical Specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	
	meter.			7.20	1 Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of	_
	Dorothio		figures.		OLD IGA BIT IN THE PARTY OF THE	,
Amount.	Unit.	Rate in words.	Rate in	Quantity.	Sub-board and Item of works.	T
				o 3/428).	Name of work: RIR Dameges on Umladwar frog road k.m. 0/0 to 12/570 (SH:- C/O R/Wall at R.D. 3/420 to 3/	Na
	2 Months	Time				
J	9300/=	Earnest Money				
1	4,66,313/=	Estimated Cost			SCHOOL OF WORLD	
					SCHOLE OF OLANTITY	

Executive Engineer B&R Divp_AP.PWD Rohru

						ĺ
	Total					
	meter.				all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge.	
	Per cubic			24.00	6 Back filling behind abutment wing wall and return complete as per drawing and technical specificastion including	6
					complete as per drawing and technical specification clauses614,709,1204.3.7.	
	Each.			26.00	5 Providing weephole in brick masonary/stone masonry, plain/reinforcement comert concrete abutment, wing wall, return wall	Ο'n
						<u> </u>
	Per cubic meter.			65.40	4 Providing and Laying concrete concrete 1:4:8 (1cement: 4 sand: 8 graded stone aggregate 25mm nominal size) in open foundations complete as per drawing and technical specification clauses 802 803 1202 and 1203 including all leads and	4
					Charge	<u> </u>
					and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-	
	meter.				plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202	
-	Per cubic			8.40	3 Providing and Laying concrete concrete 1:6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for	ω
					HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	
					excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per	
					dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from	
	meter				construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any lead and lift	
	Per cubic			14.78	2 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out.	N
		-			as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	
	meter.				slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and	
	Per cubic			14.25	1 Excavation in soil in Hilly Area in all kind of sand by mechanical/manual means including cutting and trimming of side	۰
			figures.			
Amount.	Unit.	Rate in words.	Rate in	Quantity.	Sub-head and Item of works.	T
			1/785)). 1/770 to :	Name of work :- R/R Dameges to Mehandli Tikkar Pujarli road k.m. 0/0 to 28/500 (SH:- C/O R/Wall in PCC at R.D. 1/770 to 1/785)	Na
	2 Months	Time]
	9000/=	Earnest Money				
	4,50,696/=	Estimated Cost				
					SCHDUEL OF QUANTITY	
					W. W. W. C.	

Executive Engineer B&R .Divp HP.PWD Rohru

Schedule of quantity

E/C:- 487200/-

E/M:- 10000/-

Time:- 60 Days

NAME OF WORK:- R/R damages to various roads under Chirgaon sub-divn. (In Badiyara section) (S.H:- Removal of slips by JCB at various RDs and spreading of earth/sand on slippry road surface)

TOTAL

Rohru Executive Engineer **B&R H.P.P.W.D Division**

					the Engineer-in-Chaige.
				-	specification. 150 mm spread unichiess (missing red) for the specification of 1990 Volume-I, as directed by including all leads and lifts, as per HPPWD, specification of 1990 Volume-I, as directed by
			<u>.</u>		and rolling of binding materials moorum or earth etc. complete as per HP PWD
					3 Stone soling properly hand-packed filling intersuces with relating spreading watering
	Per Cum			211.89	specifications and as directed by the Engineer in Charge.
					2 Consolidation of sub grade with road roller including the sub-grade completed as per HP.PWD earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD
	Per Sqm			921.25	HP PWD specifications and as directed by the Engineer in Charge.
					drade to be paid for separately depending upon the classification of soil completed as per
	T di odiii			921.25	No
	Dos Com		figures.		Sr. Sub-head and item of works.
ALL CHARGE	OHIL	Rate in words.	Rate in	Quantity.	
Amount	Trait				soling at R.d. 0/00 to 0/250)
				odia rui n	Name of work:- C/O Link road Tipper to Shallan Kit Randeep Nagar Binaru Doula Fut
tone	L Kharunja s	t m 0/0 to 3/400 (SH:- P/L Kharunja stone	0/0 +	Alm Dul b	
	2 Month.	Time:-			
	9300/-	Earnest Money			
	4,61,620/-	Estimate Cost			SCHEDULE OF QUANTITY

Executive Engineer Rohru Division,HP PWD Rohru.

Stanhast and tens of works. Link road to Samra Dharroti Khalawan road k.m. 00 to 3400 (SH:- G/O 900 mm Dia HPC at R.D. 1890) Fillings to some and tens of works. Constitution of some in all kind of sand by mechanicalimanual means including outling and trimming of side softes and disposing of excessable during with a lift upto any lead and this as per incential. Specification Clause 1903 and 2.2 cell-thron in excession for shoulding outling and trimming of side cell-thron in excession for shoulding and benefit and the cell-thron in excession for shoulding and trimming and tenthon is performed to the period and the shoulding and tenthon is period to the property of the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the property of the period to the period to the period to the property of the period to t			0		ဖ		00		7		C		4			ω			^			_		Nam			
Estimated Cost Earnest Money Time Rate in Rate in words. 20.96 57.89 57.89 6.85 6.85 6.85 11.76 11.76 11.76		as por the type, specification of 1330 volumer of as directed by the Englineer-in-Citalitie	Providing and laying flooring laid over cement concrete beeding complete as per drawing and technical specification clause 1303 Rubble stone laid in cement mortor 1:3 (1 cement :3 sand.) including all leads and lifts are HPPMD specification of 1000 volume. Lorge directed by the Engineer In Charge	nasonary work in head walls and parapets clause 1108. 900mm Dia including all leads and lifts, as per HPPV specification of 1990 volume-I as directed by the Engineer-In-Charge	Providing and laying reinforced cement concrete pipe NP2 for culverts on first class bedding of granular material in singown including fixing collar with cement mortar 1:2 but excluding excavation, protection work, back filling, concrete a	all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge.	Back filling behind abutment wing wall and return complete as per drawing and technical specificastion including	and super structure complete as per drawing and technical specification clauses 704.6 & 1302.5 including all leads and ifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge	Construction of dry rubble masonary for retaining walls, breast walls, revetment walls and parapets etc. for sub-structure	1203.including all leads and lifts, or as per HPPWD,. Specification of 1990 Volume-I, asdirected by the Engineer-In-Char	realization dubble masonifystorie masonify(un-codised/probagnic to codises)/with maio storie diapproved quality in foundation sement mortar 1:6(1cement:6sand) complete as per drawing and technical specifications Clauses 702, 704, 1202 &	iffs, as per HPPWD, specification of 1990 volume. For as directed by the Engineer-In-Charge	Providing and Laying concrete concrete 1:4:8 (1cement: 4 sand: 8 graded stone aggregate 25mm nominal size) in open	and 1203 including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In- Charge	blain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202	Providing and Laving concrete, concrete 1.6:12 (1cement: 6 sand: 12 graded stone aggregate 40mm nominal size) for	excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per		caminon of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any lead and li	as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and	Excavation in soil in Hilly Area in all kind of sand by mechanica//manual means including cutting and trimming of side	Sub-head and Item of works.	Link road			
Rate in words.			0.49				11.76		30.24	•			5.04			6 25		-	0/.89	5		20.96	Quantity.				
			·····		<u> </u>																	rigures.	Rate in				
Unit. Per cubic meter.		7																					Rate in words.		Time	Earnest Money	Estimated Cost
	lotal	1	Per cubic meter.		Per Rmt.	meter.	Per cubic	meter.	Per cubic		meter.		Per cubic		meter.	Percubic			meter.		meter.	Percubic	Unit.		2 Months	9200/=	4,57,593/=

Executive Engineer B&R .DivarHP.PWD Rohru

	lotal				T
	7.24.	And the second s		Crawing and recommender aproximations are selected as the commensure of the commensu	and the same
			()	Broviding and laying of boulder apron laid in wire crates with 4 mm pid on wire controlling to per cent is 280 and is 4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per extra for laps and joints and with stone boulders weighing and laps and joints are extra for laps and joints and with stone boulders weighing and laps and joints are extra for laps and joints and with stone boulders weighing and laps and joints and joints are extra for laps and joints and with stone boulders weighing and laps and joints and joints are extra for laps and joints and with stone boulders weighing and laps and joints are extra for laps and joints and with stone boulders weighing and laps are extra for laps and joints are extra for laps are extra for la	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Per Cum.		156 05	Engineer-In-Charge	
	<u>q</u>		ω 	Earthwork in excavation for structures as per drawing and technical specifications Clause 305 f including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a any lead and lift, dressing of sides and bottom and backfilling in trenches with excavated suitable material useful material available from excavation to be properly stacked and handed over to the department free of cost including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the	2.2
	200			trimming of side slopes and disposing of excavated earth with a lift upto any lead and lift as per Technical Specification Clause 1603.1 and as per HPPWD, specification of 1990 Volume i. or as directed by the Engineer-In-Charge.	ners on the control of the control o
gggggggggggggggggggggggggggggggggggggg			48.80		_ [
	Per Cum.		344		Z.
Amount.	Unit	in Rate in words.	Quantity. Rate	Sub-head and item of works.	S.
to 0/580)	R.D. 0/560	/Wall in wire crate at R.D. 0/560 to 0/580	0 (SH:- C/O R	Name of Work.:- C/O Link road to HB Hanstari Dhar k.m. 0/0 to 1/500	
2 Month.	Time				
9400/-	Earnest Mone 9400/-		AND THE PROPERTY OF THE PROPER		Ī
4,70,022/-	Estimate Cos 4,70,022/-		The second secon		
And the second of the second o			YTII	YTITVAUG OF OUTUINATION	
		A CONTRACTOR OF THE PROPERTY O			

Executive Engineer B&R Divn. HP.PWD Rohru.

Schedule of quantity

E/M:- 10000/-Time:- 2 months E/C:- 496800/-

(S.H.- Hiring of JCB and Tipper for removal of slips, dressing of road surface and carriage of muck) NAME OF WORK:- R/R damages to various roads under Chirgaon sub-divn. (in seema section)

	N	_	S.No.
	Hiring of Tipper for carriage of material having capacity of 400 cubic feet including P.O.L. Charges and other anciliary equipments as required at the site of work. The work shall to be carried out as per ministry of transport as per instructions of the Engineer-in Charge including all leads and lifts.	Hiring of JCB (Excavator-Cum-Loader)having 0.5 cum bucket capacity including P.O.L. Charges, shifting charges and other anciliary equipments as required at the site of work for removal of slips in all heights in all kinds of soil such as kankar, moorum, soft rock, hard rock including their intermediate classification of soil including mechanical transportation of necessary. The disposal of this unserviceable material has to be done in the accuired width of the road to avoid damage to the properties of the people or in case any damage took place the contractor is liable for it. All salvaged material such as quarried stone shall belong to the department and maximum useful quantity of stones from removal of sins shall have to be neatly stacked along road side on the road berms. The work shall to be carried out as per ministry of transport as per instructions of the Engineer-in Charge including all leads and lifts	Description of item
	18.00	45.00	Qty.
			Rate
			Rate in words
TOTAL	Days	Days	Unit
			Amount

Executive Engineer
B&R H.P.P.W.D Division
Rohru

	Total					[
	sample					T
	Per			20.00	2 CBR test including grain size analysis, atterbergs limit, proctor compaction and CBR value	\Box
					C) Prepration of survey plan showing all provision and preparation of detailed project report as per MORD guidelines.	
					B) Draw cross section at 15 m (fifteen meter) interval, L-section & calculate the quantity of earth work in standart format of autocad showing all layer of pavement components as applicable.	EPERTS CONTROL VI. BALL CREAT CONTRACT
	Ter Kms			i C C	A) Topography survey by Digital total station with two second accuracy , showing all features on survey plan like trees, culvent, bridge, electric pole, telephone poles, hand pumps, school, habitant villages.	
Amount.	. Unit.	Rate in words.	Rate in figures.	Quantity.	Sub-head and item of works.	T
rghati,G.P.	ii) C/O road Goansari,Maktot,Atgaon to Garisaran,Simmorghati,G.P.	sari,Maktot,Atgaor	oad Goans		Name of work [- i) C/O road from Devidhar to Jakhuni,Panu,Bhamwari,Holchha to Kutra k.m. 0/0 to 13/110 Goansari k.m. 0/0 to 6/265 (SH:- Preparation of DPR & CBR test).	בו ים
	2 Months	Time				
	9500/=	Earnest Money				
4	4,75,937/=	Estimated Cost				
				THE PART OF THE PA	SCHDUEL OF QUANTITY	[
		724				1

Executive Engineer
B&R Divn HP PWD
Rohru

	2 CB	9 <u>v</u> i.	B) forr	1 Pre	Sut	Name o				
	CBR test including grain size analysis , atterbergs limit , proctor compaction and CBR value	C) Prepration of survey plan showing all provision and preparation of detailed project report as per MORD guidelines.	B) Draw cross section at 15 m (fifteen meter) interval, L-section & calculate the quantity of earth work in standart format of autocad showing all layer of pavement components as applicable.	Prepration of Detailed project report which include following provision as mentioned below: A) Topography survey by Digital total station with two second accuracy, showing all features on survey plan like trees, culvert, bridge, electric pole, telephone poles, hand pumps, school, habitant villages.	Sub-head and Item of works.	Name of work :- i) C/O road from Jashlaghat Tikkar Via Gujandli k.m. 0/0 to 7/545 (ii) C/O road from Sua Deoari Shekhal via Bashlog Tikkari k.m. 0/0 to 4/830 (SH:- Preparation of DPR & CBR test).				SCHDUEL OF QUANTITY
	13.00			12.38	Quantity.	ı Deoari She				
-1 000000000000000000000000000000000000			ukatan dan pan - pan - a dingatan mah		Rate in figures.	khal via Ba	Andrew of the state of the stat			
					Rate in words.	ishlog Tikkari k.m. 0/	Time	Earnest Money	Estimated Cost	
T	S T				c	10 to 4/830 (03	3,1	
Total	Sample.	2444 800 900		Perkms	Unit.	SH:- Pre	1 Months	6000/=	3,04,437/=	
***	***************************************				Amount.	paration				

Executive Engineer B&R Divin HP PWD Rohru

SCHUEDLE OF QUANTITY

Estimated cost Rs134762/-EARNEST MONEY Rs3695/-TIME Two month

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Name of wor	Name of work :-R/R damages on Mehandli Tikkar road km 0/0 to 28/540/SH-C/O R/wall at Rd 27/640 to 27/620) JESON		TIME : Two month	
	STORY TO STAND TO STAND TO STORY TO STAND THE STAND TO STAND THE STAND TO STAND THE ST	:7/630)			
Sr No	Description of Items	Quantity	Rate in	Rate in Words	unit
1 Exca	ration in soil in Hilly Aron by manual habitation in soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in Hilly Aron by manual habitation in the soil in		Figure.		
dispos Claus throug	Lexical Properties by maintal means including cutting and trimming of side slopes and disposing of excavated earth with in all leads and lifts as per drawing and Techical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge including carriage of material through all modes of transportation within all leads and lifts as per directions of Engineer in charge	36.00			per cubic metre
2 Earth	Earth work in excavation for all type of road structure such as retaining walls, breast	15 00			2
soil,ordinand MOR	wens, curver is, urains and parapets efcetera in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/wedging out of rock (where blasting is prohibited) as per drawing and MORD technical specification Clause 305.1 within all leads and lifts as per directions of Engineer in charge				
3 Provid m 100	Providing and laying of boulder apron laid in wire crastes with 4mm dia G.I wire conforming to I.S 4826 m 100mm mesh (wooevenk diagonally)including 10 percent extra for laps and joints with stone	62.50			per cubic metre
boulde lead ar	boulders weighing not less not less than 25kg each as per drawing and technical clause 301 within all lead and lifts as per directions of Engineer in charge				
Total:-					10101
					1012
				المر	5

Executive Engineer
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Rohru