

Himachal Pradesh  
Public Works Department  
PW-RD-GA-Tender-2022-23-  
To

3996

dated:- 31-05-2022


The Executive Engineer (IT Cell)  
Nigam Binar, 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 16<sup>th</sup> July 2021.

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

DA:- Notice inviting tender & sechedule 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:- 09-06-2022 upto 1:00PM
2. Date of issue/sale of tender forms:- 09-06-2022 upto 2:00PM to 3.00PM
3. Date of receipt of tender:- 10-06-2022 upto 10:30AM
4. Date of opening of tender:- 10-06-2022 upto 1100AM

Sr.No.	Name of Work.	Estt. Cost.	E/Money	Time.
1	A/R & M/O Mehandli Tikkar road km 0/0 to 28/540 (SH:- P/L wearing coat G-III in various patches in km 14/0 to 17/0 )	Rs.419774/-	Rs.8400/-	2 month
2	A/R & M/O RCD road km 0/0 to 2/165 (SH:-Providing patch work between at RD 0/0 to 2/165)	Rs.322814/-	Rs.6500/-	2 month
3	A/R & M/O on Approach road to circuit House at Rohru (SH:-P/L Tarring on approach road at RD 0/0 to 0/182)	Rs.470600/-	Rs.9500/-	2month
4	A/R & M/O Samoli Parsa road km 0/0 to 7/0 (SH:- Providing patch work at RD 0/390 to 0/900)	Rs.380920/-	Rs.7700/-	1month
5	M/T on Badiyara Masli Jitata Dhakgaon road km 0/0 to 12/0 (SH:-P/L GSB, G-II, G-III and Bituminous Concrete at RD 7/0 to 7/125)	Rs.468827/-	Rs9500/-	1 month
6	R/R damages on Parsa Chiuni Lowerkoti Chhupari road km 0/0 to 10/300 (SH:- C/O R/wall at RD 9/420 to 9/435)	Rs.398948/-	Rs8000/-	2 month
7	R/R damages on Seri Chandigarh road km 0/0 to 6/300 (SH:- C/O Edge wall at RD 2/480 to 2/505 )	Rs.121210/-	Rs.2500/-	2 month
8	R/R Damages to various road in Samoli Section S/D Rohru (SH:- hiring of JCB removal of slips and land slide)	Rs.378000/-	Rs.7600/-	45days
9	C/O Balance work of veterinary Hospital at Kuttara .( SH:- P/L Interlocking paver Block, C/O Septic tank and other balance work.)	Rs.496470/-	Rs. 10000/-	2Month
10	R/R Damages to various road in Samoli Section S/D Rohru ( 1 ) (SH:- hiring of JCB for dressing of road surface drain maintenance of road and removal of slips)	Rs.378000/-	Rs.7600/-	60days
11	R/R Damages to various road in Samoli Section S/D Rohru (SH:- hiring of Tipper Carriage of muck, gravel material etc)	Rs.297000/-	Rs. 6000/-	1Month
12	Supply of Agreements form 6,7 & 8 for HPPWD Tenders (SH:- supplying of new agreement forms ) (adoption of CPWD format)	Rs.150000/-	Rs. 3000/-	1Month
13	R/R Damages to various road under Chirgaon Sub-division in Chirgaon Section (SH:- hiring of JCB for remoal of slips and maintenance of road at various RD)	Rs.378000/-	Rs.7600/-	60days
14	R/R Damages to various road under Chirgaon Sub-division in Chirgaon Section (1) (SH:- hiring of JCB for remoal of slips and maintenance of road at various RD)	Rs.378000/-	Rs.7600/-	60days
15	R/R Damages to various road under Chirgaon Sub-division in Chirgaon Section (3) (SH:- remoal of slips by JCB and dressing of road surface)	Rs.378000/-	Rs.7600/-	60days
16	R/R Damages to various road under Chirgaon Sub-division in Chirgaon Section (SH:- hiring of JCB for remoal of slips slush land slide and maintenance of road)	Rs.252000/-	Rs.5100/-	45days
17	R/R Damages to various road in Samoli Section S/D Rohru (SH:- hiring of JCB for removal of slips land slide maintenance of road)	Rs.252000/-	Rs.5000/-	30days
18	R/R Damages to various road under SeemaSection in Chirgaon Sub-division) (SH:- Hiring of JCB remoal of slips)	Rs.378000/-	Rs.7600/-	60days
19	R/R Damages to various road under Chirgaon Sub-division in Badiyara Section (SH:- hiring of JCB for remoal of slips and maintenance of road at various RD and dressing of road surface)	Rs.495600/-	Rs.10000/-	2Month
20	R/R Damages to various road under Chirgaon Sub-division in Badiyara Section (1) (SH:- hiring of JCB for remoal of slips and maintenance of road at various RD and dressing of road surface)	Rs.198000/-	Rs.4000/-	50days
21	R/R damages on UDO Niwas Jakhar Rantari road km 0/0 to 12/0 (SH:-hiring of JCB (excavator cum loader) with rock breaker for breaking of boulder and removal of slips at various RDs)	Rs.396000/-	Rs.8000/-	2Month

22	R/R damages on Ganasidhar kadiwan Deoli via Ghasni road km 0/0 to 11/270 (SH:- hiring of pock lane L&T with rock breaker for breaking of boulder and removal of slips at various RDs)	Rs.495600/-	Rs.10000/-	2Month
23	R/R Damages to various road under Tikkar S/D (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.498000/-	Rs.10000/-	2Month
24	R/R Damages to various road under Tikkar S/D (1) (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.498000/-	Rs.10000/-	2Month
25	R/R Damages to various road under SeemaSection in Chirgaon Sub-division) (SH:- Hiring of JCB remoal of slips, drain & dressing of road surface)	Rs.378000/-	Rs.7600/-	60days
26	R/R Damages to various road under Tikkar S/D likkar section (2) (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
27	R/R Damages to various road under Tikkar S/D likkar section (3) (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
28	R/R Damages to various road under Tikkar S/D Sheelghat Section (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
29	R/R Damages to various road under Tikkar S/D Sheelghat Section(1)(SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
30	R/R Damages to various road under Tikkar S/D Khadralla Section (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
31	Link road to H.B. Bajnudhar to Kewaldhar via Mohan Lal Parisar km 0/0 to 3/350 (SH:- C/O R/wall in wire crate at RD 0/450 to 0/480)	Rs.436716/-	Rs.8800/-	2Month
32	R/R Damages to various road under Tikkar S/D Khadralla Section(1) (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
33	R/R Damages to various road under Tikkar S/D likkar section (4) (SH:- hiring of JCB for removal of land slide drain clearance of opening of culvert filling depression of berms)	Rs.476000/-	Rs.9500/-	90days
34	R/R Damages to various road Summerkot section under S/D (SH:- hiring of JCB for removal of slips and slide maintance of road)	Rs.126500/-	Rs.3000/-	15days
35	R/R Damages to various road Summerkot section (1) under S/D (SH:- hiring of JCB for removal of slips and slide maintance of road)	Rs.252000/-	Rs.5100/-	30days
36	Improvement of Black Sopt on Badiyara Jangla Saribasa road km 0/0 to 11/0 (SH:- C/O R/wall between 2/396.80 to 2/407.70)	Rs.495832/-	Rs.10000/-	2Month
37	Improvement of Black Sopt on Badiyara Jangla Saribasa road km 0/0 to 11/0 (SH:- C/O R/wall between 2/375 to 2/385.90)	Rs.494808/-	Rs.10000/-	2Month
38	R/R Damages to various road under Chirgaon Sub-division in Badiyara Section (2) (SH:- hiring of JCB for remoal of slips and maintenance of road at various RD and dressing of road surface)	Rs.495600/-	Rs.10000/-	2Month
39	A/R & M/O Umladwar Deorigat via Reoghati road km 0/0 to 9/0 (SH:-C/O un-lined surface drain maintance of earthen shoulder between RD 5/800 to 9/0)	Rs.413780/-	Rs.8300/-	2Month
40	A/R & M/O Umladwar Deorigat via Reoghati road km 0/0 to 9/0 (SH:-C/O un-lined surface drain maintance of earthen shoulder,between RD 4/200 to 5/800)	Rs.497484/-	Rs.9900/-	2Month
41	R/R Damages to various road Summerkot section (2) under S/D (SH:- hiring of JCB for removal of slips and slide)	Rs.252000/-	Rs.5100/-	30days
42	R/R Damages to various road in Samoli Section S/D Rohru (SH:- hiring of Tipper Carriage of muck, gravel)	Rs.297000/-	Rs. 6000/-	1Month

43	R/R damages to Dumadhar Mastot Nesar road km 0/0 to 8/0 under samoli section (SH:-hiring of JCB for maintenance of road removal of silps)	Rs.378000/-	Rs.7600/-	45days
44	R/R damages to Dumadhar Mastot Nesar road km 0/0 to 8/0 under samoli section(1) (SH:-hiring of JCB for maintenance of road removal of silps)	Rs.378000/-	Rs.7600/-	45days
45	C/O Chamni Karetly road km 0/0 to 1/500 (SH:- C/O R/wall at RD 0/780 to 0/795 and 0/970 to 0/975)	Rs.434721/-	Rs.8700/-	2Month

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

Terms and conditions:- The tender document shall be issued only to these contractors/firms who fulfill the following criteria and submit the following document 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 quote 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.

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

Dated:- 31-05-2022

NO.: PW-RD-GA.-Tender/2021-22--

3997-4017

Copy forwarded for information and wide publicity to:-

1. The Chief-Engineer(S), HPPWD, Shimla-2.
3. The S E 14<sup>th</sup> Circle HPPWD, Rohru
4. All the E.E.'s under 14<sup>th</sup> 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.

# DRAFT SCHEDULE OF QUANTITY

Job No

Name of work:- A/R & M/O Mehandli Tikkar road km 0/0 to 28/540 (SH:- P/L wearing coat G-III in various patches in km 14/0 to 17/0 )

		Estimated Cost. Earnest Money Time		419774/- 8400/- 2month			
Sr No	Sub Head/Items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount	
1	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 405.	142.07			cum		
Total							


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

### SCHEDULE OF QUANTITY

**Name of Work:- A/R & M/O RCD road km 0/0 to 2/165 (SH:-Providing patch work between at RD 0/0 to 2/165)**

Estimated Cost. 322814/-  
Earnest Money 6500/-  
Time 1 month


Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
1	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	440			Per <del>sqm</del>	
2	<b>Tack Coat</b> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor @ 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	440			Per <del>sqm</del>	
3	<b>30mm thick Bituminous Concrete:-</b> Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	13.2			Per cum	
	Total					

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

### SCHEDULE OF QUANTITY

Name of Work:- A/R & M/O on Approach road to Circuit House at Rohru (SH:-P/L Tarring on approach road at RD 0/0 to 0/182)

		Estimated Cost. Earnest Money Time		470600/- 9500/- 1 month		Unit.	Amount
Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words			
1	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	71.99			Per sqm		
2	<u>Tack Coat</u> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor @ 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	1025.7			Per sqm		
3	<u>30mm thick Bituminous Concrete:-</u> Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	30.77			Per cum		
			Total				


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

# SCHEDULE OF QUANTITY

Name of Work:- A/R & M/O Samoli Parsa road km 0/0 to 7/0 (SH:- Providing patch work at RD 0/390 to 0/900)

Estimated Cost. 38,920/-  
Earnest Money 7700/-  
Time 1 month

Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
1	Maintenance of WBM road including filling up of pot holes ruts and rectifying corrugated surface damaged edges and releveling as per clause 1906 including all leads and lifts or as per Engineer in Charge.	503.1			Per sqm	
2	<u>Tack Coat</u> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor @ 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	503.1			Per sqm	
3	<u>30mm thick Bituminous Concrete:-</u> Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	15.09			Per cum	
	Total					

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

# SCHEDULE OF QUANTITY

Name of Work:- M/T on Badiyara Masli Jitata Dhakaon road km 0/0 to 12/0 (SH:-P/L GSB, G-II, G-III and Bituminous Concrete at RD 7/0 to 7/125)


Sr No	Sub Head/items of work.	Estimated Cost		Unit	Amount
		Earnest Money	Time		
Qty	Rate in figures	Rate in words			
1	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	31.45		Per cum	
2	<u>WBM</u> Grading -II Providing laying, spreading and compacting stone aggregates of specific sizes to bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kn in stages to proper grade and camber applying and brooming, stone screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per technical Specification Clause 405.	31.45		Per cum	
3	<u>Prime coat</u> Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.10 kg/sqm using mechanical means as per Technical Specification Clause 502.	419.38		Per sqm	
4	<u>WBM</u> Grading -III Providing laying, spreading and compacting stone aggregates of specific sizes to bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kn in stages to proper grade and camber applying and brooming, stone screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per technical Specification Clause 405.	31.45		Per cum	
5	<u>Tack Coat</u> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor @ 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	419.38		Per sqm	
6	<u>30mm thick Bituminous Concrete:-</u> Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	30.77		Per cum	
Total					

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

# SCHEDULE OF QUANTITY

Name of Work - C/O Link road to Gheota Ghasni km 0/0 to 3/400 (SH:- C/O B/wall at RD 0/442 to 0/470)

		Estimated Cost. Earnest Money	398948/- 8000/- 2 month		
Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit. Amount
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 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	17.92			Per cum
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 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	19.88			Per cum
3	Providing and Laying 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 by the Engineer-In-Charge	9.52			Per cum
4	Random rubble masonry/stone masonry (un-coursed/brought to courses) with hard stone of approved 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, as directed by the Engineer-In-Charge.	67.30			Per cum
5	Providing weepholes in brick masonry/ Stone masonry, plain/reinforced concrete aboutment ,wing wall,return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification clause 614,709,1204,37	33.00			each
	Total				


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

# SCHEDULE OF QUANTITY

Job No

Name of work/R/R damages on Seri Chandigarh road km 0/0 to 6/300 (SH:- C/O Edge wall at RD 2/480 to 2/505 )

Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
1	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	6.75			cum	
2	Providing and Laying concrete concrete 1:3:6 (1cement: 3 sand: 6 graded stone aggregate 40mm nominal size) in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including all leads and lifts, as directed by the Engineer-in-Charge	20.25			cum	
	Total					

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

# SCHUELDE OF QUANTITY

Name of work:-R/R damage to Various road Samoli Section sub Division Rohru (SH-Hiring of JCB for Removal of slips and land slide )

Estimate Cost 378000/-  
Earnest Money 7600.00  
Time 45day

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B(Excavator-Cum-Loader)bucket capacity 45cum including charge shifting charges and other ancillary required at site of work removal of slips all heights in all kinds of soil such as kankar moorum shin gles boulder decomposed or soft verity of soil such as spade work pick worl jumper work soft work hard rock including tgher intermediate classification of soil including meacnical transportation of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properities at the people or in casy any damage took place the contractor to liable for its .All salvaged materilis such as quirted stone shall belong to the departement and maxium usefull quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	45.00			per day	
	Total				Total	

Executive Engineer  
B&R Divn HP,PWD  
Rohru


**SCHEDULE OF QUANTITY**

Estimate Cost	4,96,470/-
Earnest Money	10,000/-
Time	3 Month.

**Name of Work:- C/O Balance Work of Veterinary Hospital at Kuttara in Tehsil Rohru Distt. Shimla H.P. (S.H.- P/L Interlocking Paver Block,C/O Septic tank and other balance work.)**

Sr. No	Sub-head and item of works.	Quantity.	Rate in figures.	Rate in Words.	Unit	Amount.
1	Providing and fixing anodized aluminium tower bolts (berrel type) anodized transparent or dyed to required colour and shade with bolts & nuts screws etc. complete. 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.	128.00			Each	
2	Providing and fixing anodized aluminium handles anodized transparent or dyed to required colour and shade with bolts & nuts screws etc. complete. 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.	81.00			Each	
3	Providing and fixing Charomium plated Soap dish with C.P. brass brackets etc. complete fitting including all leads & lifts or as per direction of Engineer-In-Charge.	1.00			Each	
4	Providing and fixing PTMT Coloured / white high density polyethylene / poly propylene 10 litres capacity ( full flush) European standard control low level flushing cistern with fittingsPTMT automatic flushing cistern.	1.00			Each	
5	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	49.25			Per Cum.	
6	Random rubble masonry(stone masonry(un-coursed/brought to courses)with hard stone	19.28			Per Cum.	
7	Half brick masonry in common burnt clay building bricks in :- in Cement Mortar 1:4 (1Cement :4Sand ) as required as per the direction of Engineer-in-charge.	4.81			Per Sqm.	
8	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.	1.66			Per Cum.	
9	Providing and Laying concrete concrete 1:2:4 (1cement: 2 sand: 4 graded stone aggregate 20mm nominal size)for plain/reinforced concrete in open foundations complete as per drawing and technical specification in foundation & plinth including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	1.35			Per Cum.	
10	Providing mild steel/Or steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level : including all leads and lifts, as per HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	148.83			Per K.G.	

11	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 including carriage of materials within all leads and lifts; in gratings, framed, guards, bars ladders and railing, brackets and similar works; including all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge. In Trusses and trussed purlins etc.	4.06				Per Qts.	
12	Granular sub-base/surface course with local materials (Table 400 13) by mix in place method normal Construction of granular sub-base by providing local material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at once and compacting with smooth wheel roller to achieve the desired density complete as per Clause 401.4 as per Technical Specification Clause 408.	49.00				Per Cum.	
13	Providing and Laying concrete concrete 1:4:8 (1 cement: 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 HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	4.90				Per Cum.	
14	Providing and laying heavy duty precast cement concrete inter locking paver blocks vibro compacted upto M- 50 grade i/c border or curb block grey or coloured over sub-base of concrete with 25mm thick average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks i/c curing rubbing & polishing complete (Sub base concrete floor to be paid for 40mm thick block including all leads and lifts.	96.00				Per Sqm.	
Total							

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

## SCHEDULE OF QUANTITY

Job No

Name of work:- R/R Damages to various road under Samoli Section S/D Rohru (1) (SH:- hiring of JCB for dressing of road surface, drain, maintenance of road and removal of slips )

Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
1	Hiring of JCB (Excavator-cum-Loader) front end loader 1 cum bucket capacity & 45 cum/hour including P.O.L charges, shifting charge and other ancillary equipments as required at the site of work to removal of slips in all height and in kinds of soil such kankar moorum shingle boulders decomposed or soft variety of soil such as spade work, pick work, hard rock including their intermediate classification soil including mechanical transport of necessary. The disposal of unserviceable materials has to be done in the accorded width of the road to avoid damage to the properties of the people or in case any damage lock place the contractor to label to all salvaged materials such as quarried stone shall belong to the department and maximum 30 cubic mtr useful quantity of stones from removal slips shall to be neatly stacked along road side on the road burms. The work shall be carried out as per ministry of transport as per instruction of the Engineer In charge including all leads and lifts.	45.00				
Total						

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

# SCHEDULE OF QUANTITY

Job No

Name of work:- R/R Damages to various road under Samoli Section S/D Rohru (SH:- hiring of Tipper carriage of muck ,gravel material etc.)

Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
				Estimated Cost. Earnest Money Time	297000/- 6000/- 60 days	
1	Hiring of Tipper for carriage of material having capacity of 400 cubic feet including P.O.L. charges and other ancillary equipments as required at the site of work the work shall to be carried out as per ministry of transport as per the instructions of the Engineer in charge including all leads and lifts.	45.00			Per day	
	Total					

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



1,50,000/-	1 Months
3000/-	

1 MONTHS

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

# **SCHEDULE OF QUANTITY**

ESTIMATED COST: RS. 3,78,000/-

Earnest Money 7600/-

TIME ALLOWED :- 2 Month.

**Name of work :- Restoration of rain damages on various road under Chirgaon Sub-Division Section Chirgaon (SH:-Hiring of J.C.B for removal of slips/ ~~scree~~ and maintenance of road at various R.D. )**

Sr No.	Sub-Head and Item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum including P.O.L charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	45.00			day	
	<b>Total:-</b>					

**Executive Engineer**  
 Rohru Division, HP PWD  
 Rohru.

## SCHEDULE OF QUANTITY

ESTIMATED COST: Rs. 3,78,000/-

Earnest Money 7600/-

TIME ALLOWED :- 2 Month.

Name of work :- Restoration of rain damages on various road under Chirgaon Sub-Division Section Badiyara (I) ( SH:-Hiring of J.C.B for removal of slips/ ~~snow~~ and maintenance of road at various R.D. )

Sr No.	Sub-Head and Item of works.	Quantity	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum including P.O.L charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	45.00			day	
	Total:-					

Executive Engineer  
Rohru Division, HP PWD  
Rohru.

SCHEDULE OF Quantity

Name of work :- R/R damages to various road under chirgaon sub Divn. (3) (SH-Removal of slips by JCB various road RDS and dressing of road surface

Estimate Cost 378000/-  
Earnest Money 7560.00  
Time 2 month

Sr.No	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) front and loader 1 cum bucket capacity 45 cum hours including charge shifting charges and other ancillary required at site of work removal of slips all heights in all kinds of soil such as kankar moorum shingles boulder decomposed or soft variety of soil such as spade work pick work jumper work soft work hard rock including their intermediate classification of soil including meencial transportation of necessary. the disposal of this un-serviceable materials has to done in the acquired width of the road to avoid damage to properties at the people or in easy any damage took place the contractor to liable for its. All salvaged materials such as quarried stone shall belong to the department and maximum useful quantity of stones from removal of slips shall have to be done by machine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	45.00			Per/day	
					Total	

Executive Engineer  
B&R Divn HP. PWD  
Konnur

# **SCHEDULE OF QUANTITY**

ESTIMATED COST: Rs. 2,52,000/-  
Earnest Money 5100/  
TIME ALLOWED :- 45 Days.

**Name of work :- Restoration of rain / ~~road~~ on various road under Chirgaon Sub-Division (Chirgaon section) ( SH:-Hiring of JCB for removal of slips/ ~~road~~ slush/land slide & maintenance of road etc. )**

Sr No.	Sub-Head and Item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) having bucket capacity .50 cum including P.O.L charges, shifting charges and other ancillary 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, boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	30.00			day	
<b>Total:-</b>						

*[Signature]*  
Executive Engineer  
Rohru Division, HP PWD  
Rohru.

# SCHUELDE OF QUANTITY

Name of work:-R/R damage to Various road under Samoli Section sub Divn Rohru (0)SH- Hiring of JCB for Removal of slips land slide maintenance of road

Estimate Cost 252000/-  
Earnest Money 50000/-  
Time 30day

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader)bucket capacity 45cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shingles boulder decomposed or soft verity of soil including tgher intermediate classification of soil including meacial materias has to done in the acquired width of the road to avoid damage to properties at the people or in casy any darriage took place the contractor to liable for its .All salvaged materis such as qurried stone shall belong to the departement and maxium useful quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	30.00			per day	

Executive Engineer  
B&R Divn HP,PWD

**SCHEDULE OF QUANTITY**

Estimate Cost rRs 378000/-

Earnest Money

7000/-

Time

two month

Name of work :- R/R damages to various road in Seema Section in chirgaon sub Division(SH- Hiring of JCB removal of slipes

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
	Hiring of JCB (Excavator -cum-Loader)having bucket capacity 45cum including all POL charges shifting charges and other ancillary equipment as required at site as per instruction of Engineer in charge including all leads and lifts	45.00			per day	-
	Total				Total	

Executive Engineer  
B&R HPPWD Divn. Rohru

# **SCHEDULE OF QUANTITY**

**ESTIMATED COST: Rs. 4,95,600/-**  
**Earnest Money 10000/-**  
**TIME ALLOWED :- 60days**

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

Sr No.	Sub-Head and Item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum including P.O.L charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	59.00			day	
	<b>Total:-</b>					


*[Signature]*  
**Executive Engineer**  
**Rohru Division, HP PWD**  
**Rohru.**

## DRAFT SCHEDULE OF QUANTITY

Estimate Cost 1,98,000  
 Earnest Money 7500/  
 Time 50 Days.

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

Sr.N	Sub-Head and Item of works	Quantit y.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of Tipper for cartlage of materials having capacity 400 cft including P.O.L charges, shifting charges and other ancillary 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	55.00			Day	
					Total.	

  
 Executive Engineer,  
 B&R Division HPPWD,  
 Rohru.

# DRAFT SCHEDULE OF QUANTITY

Estimate Cost 396000/-  
Earnest Money 7920/-

Time

Name of work : Restoration of Rain damages on Udo Niwas Jakhar Rantari km 0/0 to 12/0(SH- Hiring of JCB (Excavator cum loader) with rock Breaker for breaking of boulder and removal of slips at various RDS

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B(Excavator-Cum-Loader) including P.O.L. charges, shifting charges and other ancillary equipments as required at site of work for removal of slips in all heights in all kinds of soil such as kankar, moorum shingle boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burns. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	120.00			per hours	
	Total					

Executive Engineer  
Rohru Division, HP PWD  
Rohru.

# **SCHEDULE OF QUANTITY**

**ESTIMATED COST: Rs. 4,95,000/-**

Earnest Money 9900/-

TIME ALLOWED :- 110 Days.

**Name of work :- Restoration of rain damages on Ganasidhar Kadiwan Deoli Via Chasni road K.m. 0/0 to 11/270 ( SH:-Hiring of Pock Lane L&T with rock breaker for breaking of boulder and removal of slips at various R.D. )**

Sr. No.	Sub-Head and Item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of Pock lane L&T with rock breaker including P.O.L charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30 cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	110.00			hour	
	<b>Total:-</b>					

  
**Executive Engineer**  
**Rohru Division, HP PWD**  
**Rohru.**



SCHUELDE OF QUANTITY

Estimate Cost 498000/-  
 Earnest Money 10000/-  
 Time one month

Name of work:- Restoration of of ~~road~~ /rain damages on various road under Tikkar sub Division (SH-Hiring of JCB removal of ~~road~~ /land slide drain clearance of opening of culvert filling depression of berms

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of JCB (Excavato cum loader)having bucket capacity 50m cum incuding shifting charges and other ancillary by Engineer in charge in 18.00 m ducted accordingly JCB be delployed by dressing of berms shoulder clearance of drain culverts removal of excess soil from road surace filling pot holes with suitabel materials fromn borrow pits and removal of slips wherere ever on the road surface within all leads and lifts as per directions of Engineer in charge	60.00			per day	
	<b>Total</b>				<b>Total</b>	

Executive Engineer  
 B&R Divn HP, PWD  
 Rohru

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SCHUELDE OF QUANTITY

Name of work:- Restoration of of ~~sewer~~ /rain damages on various road under Tikkar  
/land slide drain clearance of opening of culvert filling depression of berms  
sub Division (SH-Hiring of JCB removal of ~~sewer~~)

Estimate Cost 498000/-  
Earnest Money 10000/-  
Time 4) 708 month

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of JCB (Excavato cum loader)having bucket capacity 50m cum inculding shifting charges and other ancillary by Engineer in charge in 18.00 m ducted accordingly JCB be delployed by dressing of berms shoulder clearance of drain culverts removal of excess soil from road surace filling pot holes with suitabel materials fromm borrow pits and removal of slips wherere ever on the road surface within all leads and lifts as per directions of Engineer in charge	60.00			per day	
	Total				Total	


Executive Engineer  
B&R Divn HP.PWD  
Rohru

**SCHEDULE OF QUANTITY**

				Estimate Cost	378000
				Earnest Money	7600
				Time	Two Month

**Name of Work :- R/R Damage to various road in Seema Section in Chirgaon Sub Division ( Sh:- Hiring of JCB removal of slips/drain & dressing of road surface)**

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount
1	Hiring of J.C.B (Excavator-cum-Loader) having bucket capacity .45 cum including P.O.L charges, shifting charge and other ancillary equipments as required at site as per instructions of the Engineer-In-charge including all leads and lifts.	45.00			Per Day	
	<b>Total</b>					

  
 Executive Engineer,  
 B&R Division HPPWD,  
 Rohru

## SCHEDULE OF QUANTITY

Name of work:- Restoration of rain/~~road~~ damages on various road under Tikkar section (Tikkar sub Division) Hiring of JCB removal of ~~road~~ and land slide drain clearance opening of culverts filling of depression and berms )

Estimate Cost 476000/-  
Earnest Money 9500/-  
Time 90 days

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) bucket capacity 50 cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shin gies boulder decomposed or soft verity of soil such as spadde work pick worj jumper work soft work hard rock including tghier intermediate classification of soil including meacnical transportation of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properties at the people or in casy any damage took place the contractor to liable for its .All salvaged materils such as quried stone shall belong to the departement and maxium useful quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
B&R Divn HP.PWD  
Rohru

# SCHUELDE OF QUANTITY

Estimate Cost 476000/-  
Earnest Money 9500/-  
Time one month

Name of work:- Restoration of of ~~road~~ /rain damages on various road under Tikkar section section <sup>(2)</sup> of Tikkar sub Division) (SH-Hiring of JCB removal of ~~road~~ /land slide drain clearance of opening of culvert filling depression of berms

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of JCB (Excavato cum loader)having bucket capacity 50m cum incuding shifting charges and other ancillary by Engineer in charge in 18.00 m ducted accordingly JCB be delployed by dressing of berms shoulder clearance of drain culverts removal of excess soil from road surace filling pot holes with suitabel materials fromm borrow pits and removal of slips wherere ever on the road surface within all leads and lifts as per directions of Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
B&R Divn HP.PWD  
Rohru

## SCHUELDE OF QUANTITY

Estimate Cost 476000/-  
 Earnest Money 9500/-  
 Time 90 days

Name of work:- Restoration of rain/drain damages on various road under sheelghat section (Tikkar sub Division) Hiring of JCB removal of ~~road~~ and land slide drain clearance opening of culverts filling of depression and berms )

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader)bucket capacity 50 cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shin gles boulder decomposed or soft verity of soil such as spdade work pick worj jumper work soft work hard rock including tgher intermediate classification of soil including meacial transport of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properties at the people or in casy any damage took place the contractor to liable for its .All salvaged materils such as quried stone shall belong to the departement and maxium useful quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
 B&R Divn HP.PWD  
 Rohru

# SCHUELDE OF QUANTITY

Name of work:- Restoration of rain ~~water~~ damages on various road under sheelghat section (Tikkar sub Division) Hiring of JCB removal of ~~stone~~ and land slide  
 drain clearance opening of culverts filling od depression and berms )

Estimate Cost 476000/-  
 Earnest Money 9500/-  
 Time 90 days

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader)bucket capacity 50 cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shingles boulder decomposed or soft verity of soil such as spade work pick work jumper work soft work hard rock including tgher intermediate classification of soil including meacnial transportation of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properties at the people or in casy any damage took place the contractor to liable for its .All salvaged materis such as qurried stone shall belong to the departement and maxium useful quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
 B&R Divn HP, PWD  
 Rohnu

SCHUELDE OF QUANTITY

Estimate Cost 476000/-  
 Earnest Money 9500/-  
 Time one month

Name of work:- Restoration of ~~road~~ /rain damages on various road under khadralla section ((Tikkar sub Division) (SH-Hiring of JCB removal of ~~road~~ /land slide drain clearance of opening of culvert filling depression of berms

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of JCB (Excavato cum loader)having bucket capacity 50m cum incuding shifting charges and other ancillary by Engineer in charge in 18.00 m ducted accordingly JCB be deplayed by dressing of berms shoulder clearance of drain culverts removal of excess soil from road surace filling pot holes with suitabel materials fromm borrow pits and removal of slips wherere ever on the road surface within all leads and lifts as per directions of Engineer in charge	56.00			per day	
Total					Total	

Executive Engineer  
 B&R Divn HP.PWD  
 Rohru

# **SCHEDULE OF QUANTITY**

**Name of Work:- Link road to H.B. Bainudhar to Kewaldhar via Mohan Lal Parisar k.m. 0/0 to 3/350 (SH:- C/O**

**R/wall in wire crate at R.D. 0/450 to 0/480. )**

						Estimate Cost	4,36,716/-
						Earnest Money	8800/-
						Time	2 Month.
Sr. No	Sub-head and item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.	
1	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.	45.00			Per Cum.		
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 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	41.10			Per Cum.		
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 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 1301 or as directed by the Engineer-In-Charge	140.63			Per Cum.		
4	Back filling behind abutment wing wall and return complete as per drawing and technical specification including all leads and lifts, as per HPPWD, specification of 1990 volume-I as directed by the Engineer-In-Charge.	22.50			Per Cum.		
Total							

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

# SCHUELDE OF QUANTITY

Name of work:- Restoration of rain ~~water~~ damages on various road under Khadrala section (Tikkar sub Division) Hiring of JCB removal of ~~water~~ and land slide drain clearance opening of culverts filling od depression and berms )

Estimate Cost 476000/-  
Earnest Money 9500/-  
Time 90 days

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) bucket capacity 50 cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shingles boulder decomposed or soft verity of soil such as spadade work pick wroj jumper work soft work hard rock including tgher intermediate classification of soil including meacancial transportation of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properties at the people or in casy any damage took place the contractor to liable for its .All salvaged materils such as qurried stone shall belong to the departement and maxium useful quantity of stones from reoval of slipes shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
B&R Divn HP.PWD  
Rohru

## SCHUELDE OF QUANTITY

Name of work:- Restoration of rain/~~water~~ damages on various road under Tikkar section (Tikkar sub Division) Hing of JCB removal of ~~water~~ and land slide drain clearance opening of culverts filling of depression and berms )

Estimate Cost 476000/-  
Earnest Money 9500/-  
Time 90 days

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hing of J.C.B(Excavator-Cum-Loader)bucket capacity 50 cum including charge shifting charges and other ancillary required at site of work removal of slips all heights in all kinds of soil such as kankar moorum shin gles boulder decomposed or soft verity of soil such as spade work pick wof jumper work soft work hard rock including their intermediate classification of soil including meancial transportation of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properities at the people or in casy any damage took place the contractor to liable for its .All salvaged materils such as quried stone shall belong to the departement and maxium usefull quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	56.00			per day	
	Total				Total	

Executive Engineer  
B&R Divn HP.PWD  
Rohru

### SCHEDULE OF QUANTITY

Estimate Cost      126500.00  
Earnest Money      3000.00  
Time      15 days

Name of work:- R/R Damages to various road summitkot section sub Division Rohru(SH-Hiring of JCB for removal of slips and land slide maintance of road .

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of JCB (Excavator cum loader) having bucket capacity 45 cum in cluding POL charges shifting charges and other ancillary by Engineer in charge min 18.00 cum of earth shall be done by machine one hours shall be ducted accordingly JCB shall be deployed for dressing of b urns shoulder clearance of drain culverts removal of excess soil fromj road surface filling up of pot holes with suitable materials from borrow pits and removal of slips wherere ever on the road surface within all leds and lifts as per directions of Engineer in charge	15.00			per day	
	<b>Total</b>				<b>Total</b>	

Executive Engineer  
B&R Divn HP,PWD  
Rohru

**SCHEDULE OF QUANTITY**

ESTIMATED COST: Rs. 2,52,000/-

Earnest Money 5100/-

*C)* TIME ALLOWED :- 30 Days.

**Name of work :- Restoration of rain damages on various road under Rohru Sub-Division Section Summerkot ( SH:-Hiring of J.C.B for removal of slips/ ~~stones~~ and maintenance of road at various R.D. )**

Sr No.	Sub-Head and Item of works.	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum including P.O.L charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	30.00			day	
					Total:-	

Executive Engineer  
Rohru Division, HP PWD  
Rohru.

# SCHEDULE OF QUANTITY

Estimated cost 495832/-  
 Earnest Money R9960/-  
 TIME : Two month

Name of work :-Improvement of Black spot on Badiyara Jangla Sarbasa road km 0/0 to 11/0(SH- C/O R/wall between 2/396.80 to 2/407.70)

Sr No	Description of items	Quantity	Rate in Figure.	Rate in Words	unit	Amount
1	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 Technical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge	20.06			per cubic metre	
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. In ordinary rocks up to 3 mtr depth within all leads and lifts as per directions of Engineer in charge	16.79			per cubic metre	
3	Providing and laying concrete for plain /reinforced concrete 1:3:6 (Cement :3 sand :6 graded 40mm nominal size in open foundation complete as per drawing and technical specification clause 802.803,1202 1203 in cluding carriege of materilas with all leads and lifts as per directions of Engineer in charge	68.34			per cubic metre	
4	Back filling behind abutment wing wall and return wall with granular materials complete as per drawing and technical specification clause 1204.3.8 including carriege of materils as per direction of Engineer in charge	12.43			per cubic metre	
5	Providing weepholes in brick masonry/stone masonry /plain concrete abutment wing wall r eturn wall 100mm dia AC pipe extending through the full width of the structures with slope of (1V)20(H)thorough drawing fasce complete as per drawing and technical specification clause 614 ,709 , 1204 3.7 within all leads and lifts as per directions of Engineer in charge	20.00			No	
Total:-						

Executive Engineer  
 B&R Divn HP-PWD  
 Rohru

Total :-

**DRAFT SCHEDULE OF QUANTITY**

Estimated cost 494808/-  
Earensst Money R3960/-  
TIME : Two month

**Name of work :-Improvement of Black spot on Badiyara Jangla Saribasa road km 0/0 to 11/0(SH- C/O R/wall between 2/375 to 2/385.90**

Sr No	Description of items	Quantity	Rate in Figure.	Rate in Words	unit	Amount
1	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 Technical Specification Clause 1603.1 and as per the direction of the Engineer-in-Charge	22.35			per cubic metre	
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. in ordinary rocks up to 3 mtr depth within all leads and lifts as per directions of Engineer in charge	16.79			per cubic metre	
3	Providing and laying concrete for plain /reinforced concrete 1:3:6 (1cement:3 sand :6 graded 40mm nominal size in open foundation complete as per drawing and technical specification clause 802,803,1202,1203 in cluding carriege of materias with all leads and lifts as per directions of Engineer in charge	68.34			per cubic metre	
4	Back filling behind abutment wing wall and return wall with granular materials complete as per drawing and technical specification clause 1204.3.8 including carriege of materils as per direction of Engineer in charge	11.12			per cubic metre	
5	Providing weepholes in brick masonry/stone masonry /plain concrete abutment wing wall r return wall 100mm dia AC pipe extending through the full width of the structures with slope of 1(V)20(H)thourgh drawing fasce complete as per drawing and technical specification clause 614, 709, 1204 3.7 within all leads and lifts as per directions of Engineer in charge	20.00			No	
Total:-					<b>Total :-</b>	

Executive Engineer  
B&R Dwn HP, PWD  
Rohru

## SCHEDULE OF QUANTITY

ESTIMATED COST: Rs. 4,95,600/-

Earnest Money 10000/-

TIME ALLOWED :- 60 days

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

Sr No	Sub-Head and Item of works.	Quantity	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader) with rock breaker having bucket capacity .50 cum including P.O.L. charges, shifting charges and other ancillary 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 boulders decomposed or soft 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 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 slips shall have to be neatly stacked along road side on road burms. Minimum 30cubic meter of earth work shall be done by machine in one hour, other wise number of hour shall be reduced accordingly. The work shall have to be carried out as per Ministry of Transport as per instructions of the Engineer-In-Charge including all leads and lifts.	59.00			day	
	Total:-					

Executive Engineer  
Rohru Division, HP PWD  
Rohru.

# SCHEDULE OF QUANTITY

Estimated cost Rs413780/-  
EARNEST MONEY Rs8270/-  
TIME : Two month

Name of work: A/R & M/O Umbladwar Deorighat via Reoghathi road km 0/0 to 9/0(SH-c/O un-lined surface drain maintenance of earthen shoulder between Rd 5/800 to 9/0)

Sr No	Description of items	Quantity	Rate in Figure.	Rate in Words	unit	Amount
1	construction of unlined surface drain of pf average cross section: area 0.40 sqm in soil specified line grade level's dimensions excavated materials to be used em bankments with a lift upto 3 m and leads m(average lead 25m)as per technical specification clause 307 The drain will be measured in continuous stretches and any obstructed part will not be measure for 200mts upto hill even if drain s constructed the drain profile will be measured and everly 20mts including all leads and lifts as per HP.PWD specification volue or as directed by Engineer in charge	3200.00			per running metre	
2	Maintenance of earthen shoulder filling with fresh sieced soil making up loss of materialsd irregularities on shoulders to the design level by adding fresh approved selected soil and compacted with appropriate equipment at OMC upto a lead of 1000 m as per technical and as per HP.PWD specification of 1990 volume as directed by the Engineer in charge	5400.00			per square metre	
Total:-						

Executive Engineer  
B&R Divn HP.PWD  
Rohnu

# SCHEDULE OF QUANTITY

Estimated cost Rs.497484/-  
EARNEST MONEY Rs.9900/-

TIME : Two month

Name of work: A/R & M/O Umbladwar Deorighat via Reoghathi road km 0/0 to 9/0(SH-providing and laying Granular sub base /base surface course with local materials 4/200 to 5/800 )

Sr No	Description of items	Quantity	Rate in Figure.	Rate in Words	unit	Amount
1	Grnular sub base/base /surface course with local materials(table 400-13)by mix in place method normal construction of granular sub base by providing local materials spreading in uniform layer with motor grader on prepared surface mixing by mix place method with rotavator at once and compacting with smooth wheel roller to achieve the desired density complete as per clause 401.4 as per technical specification within all leads and lifts as per direction of Engineer in charge	520.00			per cubic metre	
Total:-						

  
Executive Engineer  
B&R Divn HP, PWD  
Rohru

# SCHUELDE OF QUANTITY

Estimate Cost 252000/-  
Earnest Money 5000/-  
Time 30day

Name of work:-R/R damage to Various road under summerkot Section sub Divn Rohru (SH- Hiring of JCB for Removal of slipes and land slide )

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of J.C.B.(Excavator-Cum-Loader)bucket capacity 45cum including charge shifting charges and other ancillary required at site of work removal of slipes all heights in all kinds of soil such as kankar moorum shin gles boulder decomposed or soft verity of soil such as spdade work pick worj jumper work soft work hard rock including tgher intermediate classification of soil including meacial transport of necessary .the disposal of this un-serviceable materias has to done in the acquired width of the road to avoid damage to properties at the people or in easy any damage took place the contractor to liable for its .All salvaged materils such as quried stone shall belong to the departement and maxium useful quantity of stones from reoval of slips shall have to be done by meachine in one hours other wise number of hours shall be reduced accordingly the work shall be to carried out as per ministry of transport as per instruction of the Engineer in charge	30.00			per day	
	Total					

Executive Engineer  
B&R Divn HP.PWD  
Rohru

### SCHEDULE OF QUANTITY .


**Name of work :-** R/R damages to various road under Samoli Section sub Divn Rohru (SH-Hiring of Tipper for carriage of muck ,gravel).

Estimate Cost 29700/-  
 Earnest Money 6000.00  
 Time 45days

Sr.No.	Sub-Head and Item of works	Quantity.	Rate in figures.	Rate in words.	Unit	Amount.
1	Hiring of Tipper for carriage of material having capacity 400 cft including POL charges shifting charges and other ancillary equipment as required at site of work the work shall have to carried out as per ministry of transport specification of the Engineer in charge	45.00			per day	
	Total				Total	

**Executive Engineer**  
 B&R Divn HP,PWD  
 Rohru

SCHEDULE OF QUANTITY				Job No	
Name of work:- R/R damages to Dumadhar Mastot Nesar road km 0/0 to 8/0 under samoli section (Sh:-hiring of JCB for maintenance of road removal of slips)					
		Estimated Cost. Earnest Money Time		378000/- 7600/- 45 days	
Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit. Amount
1	Hiring of JCB (Excavator-cum-Loader) front end loader 1 cum bucket capacity & 45 cum/hour including P.O.L charges, shifting charge and other ancillary equipments as required at the site of work to removal of slips in all height and in kinds of soil such as kankar moorum shingle boulders decomposed or soft variety of soil such as spade work, pick work, hard rock including their intermediate classification soil including mechanical transport of necessary. The disposal of unserviceable materials has to be done in the accorded width of the road to avoid damage to the properties of the people or in case any damage lock place the contractor to label to all salvaged materials such as quarried stone shall belong t the department and maximum 30 cubic mtr useful quantity of stones from removal slips shall to be neatly stacked along road side on the road burms. The work shall be carried out as per ministry of transport as per instruction of the Engineer In charge including all leads and lifts.	45.00			cum
Total					

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

## SCHEDULE OF QUANTITY

Job No

Name of work:- R/R damages to Dumadhar Mastot Nesar road km 0/0 to 8/0 under samoli section (1) (SH:-hiring of JCB for maintenance of road removal of slips)

		Estimated Cost.			
		Earnest Money			
		Time	45 days		
Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit. Amount
1	Hiring of JCB (Excavator-cum-Loader) front end loader 1 cum bucket capacity & 45 cum/hour including P.O.L charges, shifting charge and other ancillary equipments as required at the site of work to removal of slips in all height and in kinds of soil such kankar moorum shingle boulders decomposed or soft variety of soil such as spade work, pick work, hard rock including their intermediate classification soil including mechanical transport of necessary. The disposal of unserviceable materials has to be done in the accorded width of the road to avoid damage to the properties of the people or in case any damage lock place the contractor to label to all salvaged materials such as quarried stone shall belong to the department and maximum 30 cubic mtr useful quantity of stones from removal slips shall to be neatly stacked along road side on the road burms. The work shall be carried out as per ministry of transport as per instruction of the Engineer in charge including all leads and lifts.	45.00			cum
Total					

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

# **SCHEDULE OF QUANTITY**

**Name of Work:- C/O Chamni Karety road km 0/0 to 1/500 (SH:- C/O R/wall at RD 0/780 to 0/795 and 0/970 to 0/975)**

		Estimated Cost. Earnest Money Time	434721/- 8700/- 2 month			
Sr No	Sub Head/items of work.	Qty	Rate in figures	Rate in words	Unit.	Amount
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 1603.1 and as per HPPWD, specification of 1990 Volume-I, or as directed by the Engineer-In-Charge.	13.60			Per cum	
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 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	16.47			Per cum	
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 by the Engineer-In-Charge	8.70			Per cum	
4	Providing and Laying concrete concrete 1:4:8 (1cement: 4 sand: 8 graded stone aggregate 40mm 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 HPPWD, specification of 1990 volume-I or as directed by the Engineer-In-Charge	4.50			Per cum	
5	Stone rubble masonry work in cement mortar 1:6 (1cement: 6 sand) 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, as directed by the Engineer-In-Charge.	66.98			Per cum	
6	Providing weep hole in brick masonry/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 drawing face complete as per drawing and technical specification clauses 614, 709, 1204.3.7.	40.00			no	
7	Back filling behind abutment wing wall and return complete as per drawing and technical specification cluse 1204.3.8 including carriage of materials as directed by the Engineer-In-Charge.	12.25			Per cum	
			Total			

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