

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

Scaled items rate tender on form No. 6 and 8 are hereby invited on behalf of Governor of HP for the following works from approved and eligible contractor enlisted in HPPWD, so as to reach in this office on 14.2.2022 up to 11.30 AM and shall be opened on the same day at 12.00 Noon in the presence of intending contractors or their authorized representative who may like to be present. The tender form can be had from this office against cash payment (non refundable) up to 10.30 AM on 14.2.2022.

The earnest money in the shape of FDR/TDR in HP duly pledged in favour of Executive Engineer Nahan Division HP.PWD Nahan must be accompanied with the each tender. Conditional tender and tender received without earnest money will be rejected. The undersigned reserves the right to reject any or all tenders without assigning the reason. The offer of the tender will be kept opened for 75 days.

Sr. No.	Name of works	Estimated Cost	Earnest Money	Time Limit	Cost of Form
1	C/O L/R Lehi Jangla Bhoud Mahidhar Km.0/0 to 4/0. (SH:- C/O 3 mtr. Span RCC slab culvert at RD.0/750)	4,99,030/-	10,000/-	02 Month	350/-
2	C/O HSC building at Panjahal. (SH:-C/O B/wall & CC flooring)	4,37,144/-	8,800/-	02 Month	350/-
3	C/O Make Shift Hospital for COVID-19 at Judda & r/o old Election office building Nahan. (SH:- Providing sanitary fitting in Make shift hospital & distempering, painting & misc. works n old Election office) under deposit)	3,23,710/-	6,500/-	02 Month	350/-
4	A/R & M/o NDH road Km.0/0 to 36/0. (SH: _P/L paver block at RD.33/450 to 33/530)	4,78,366/-	9,600/-	02 Month	350/-
5	R/R on NDH road Km.0/0 to 36/0. (SH: _C/O R/wall at RD.34/730 to 34/740)	4,32,451/-	8,700/-	02 Month	350/-
6	Repair work fob al. work of Dr.YSPMC & hospital at Nahan.(SH:-P/F aluminium grills, wire mesh shutters & P/F 12mm thick prelaminate board in female ward, special ward, stair case & toilet block)	4,39,486/-	8,800/-	02 Month	350/-
7	Repair work of bal. work of Dr. YSPMC & hospital at Nahan.(SH: P/f glazing in aluminium work, distempering & finishing wall with emulsion in main block, female ward, stair case & toilet block)	4,73,814/-	9,500/-	02 Month	350/-
8	C/O L/R Majri Churan Km.0/0 to 1/800, A/R M/O Kala amb trilokpur road Km.0/0 to 6/300 & Sainwala Burma papri KW bhud road Km.0/0 to 19/0.(SH:-C/O X-drainage work at RD.0/600, PCC patch work & r/o pot holes)	4,99,455/-	10,000/-	02 Month	350/-
9	R/R damages on Balsar Jhajar road Km.0/0 to 17/125.(SH:-R/O slips)	4,97,952/-	10,000/-	02 Month	350/-
10	C/o PHC building at Banethi.(SH:-C/O R/wall, B/wall, parapets & CC flooring in front & left side of building)	4,95,805/-	10,000/-	02 Month	350/-
11	A/R & M/o L/R Birla to Tirmali Km.0/0 to 7/745.(SH:-C/O unlined surface drains & P/L Kharanja soling at RD.5/200 to 6/0)	4,82,447/-	9,700/-	02 Month	350/-
12	R/R damages on L/R Panar to Deed Bagar Km.0/0 to 4/500.(SH:-C/O R/wall at RD.2/785 to 2/799.)	4,49,321/-	9,000/-	02 Month	350/-
13	R/R on NDH road Km.0/0 to 36/0.(SH:-C/O R/wall at RD.30/645 to 30/661).	4,35,962/-	8,800/-	02 Month	350/-
14	Improvement of black spot on banog kheri road Km.0/0 to 39/0. (SH:-C/O bal. work of R/wall at RD.7/724 to 7/743)	4,90,376/-	10,000/-	02 Month	350/-
15	A/R & M/O Jhameria ramadhon Dhagera road Km.0/0 to 22/300.(SH:-C/O U-shape PCC road	4,37,573/-	8,800/-	02 Month	350/-



	side drain in Km.11/200 to 11/600)				
6	R/R damages on Birla Tirmali road Km.0/0 to 7/745. (SH:-C/O B/wall in wire crate & U-shape drain at RD.5/360 to 5/401)	4,99,257/-	10,000/-	02 Month	350/-
17	A/R & M/o majri Burma papri road Km.0/0 to 9/0.(SH:-C/o R/wall at RD.8/412 to 8/424)	2,59,183/-	5,200/-	02 Month	350/-
18	C/o L/R Kanyonghat to Sher Reshla Roj Bendli road Km.0/0 to 18/500.(SH:_F/C at RD.4/660 to 4/685)	1,49,360/-	3,000/-	02 Month	350/-

**CERTIFICATE:-** It is certified that the tenders of above works are exigency/emergent nature and in public interest.

**Terms & Conditions:-**

1. The Contractors/Bidders must submit their Permanent Income Tax Account Number/ GST number on the tender alongwith copy of the same be attached with the application.
2. The Contractors/Firms should attach copy of the Registration/Renewal with the application.
3. The contractor/bidders should quote his rates Both in Figures and words, where there is any discrepancy between the rates in figures and words, the rates in words will be governed.
4. The contractors/bidders must inspect the site to ascertain/familiar the site conditions, accessibility etc. before quoting the bid/tender.
5. Conditional and telegraphic tender shall not be accepted and rejected straightway. Tender received after due date and time will be rejected.
6. The contractor/firms should have to produce the details of works in hand in HP. PWD, and its position thereof alongwith application.
7. The tender documents shall be issued to only those contractors who does not have more than two works in hand in any HP PWD Circle/ Division worth Rs. 1.00 Crore each.
8. The Contractor shall have to establish testing laboratory at site for the day to day testing of material.
9. The offer shall remain valid upto 75 days.
10. The provisions of guidelines issued vide the Principal Secretary (PW) to the Govt. of HP, Shimla vide notification No.PBW(B)A(3)1/2020 dated.Shimla-2 the 22<sup>nd</sup> July, 2020 regarding adoption of CPWD works manual 2019 & other publication of CPWD in HPPWD shall also be applicable.
11. The Executive Engineer reserve the right to reject any or all the tenders without assigning any reason.

Executive Engineer,  
Nahan Division,  
HPPWD Nahan.

**For & on behalf of Governor of Himachal Pradesh.**

No. PWN/CB/Tender/2020-21-

9562-71

Dated:- 05<sup>th</sup> 2/22

Copy forwarded to the following for information & further necessary action:-

1. The Engineer-in-Chief, HP.PWD., Shimla please.
2. The Chief Engineer(SZ), HP.PWD., Shimla-2 please.
3. The Deputy Commissioner, Sirmaur Distt. at Nahan please.
4. The Superintending Engineer, 12<sup>th</sup> Circle, HP.PWD., Nahan please.
5. The Executive Engineer (IT Cell), Nigam Vihar, HPPWD., Shimla-2 for uploading of Notice Inviting Tenders on departmental website please.
6. The S.D.M. Nahan please.
7. The Distt. Panchayat Officer, Nahan please.
8. The Executive Officer, M.C., Nahan please..
9. All the Assistant Engineers under this division to display on their respective Notice Boards.
10. The Notice Board.

Executive Engineer,  
Nahan Division,  
HPPWD Nahan.

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# SCHEDULE OF QUANTITY

Name of work:-C/O Link road Lehi Jangla Bhoo Mahidhar Km 0/0 to 4/0( SH:-C/O 3.00 span RCC slab culvert at RD 0/750)

Estimated cost :- Rs.4,99,030/-only

Earnest Money:- Rs.10,000/-only

Time:- Two Months.

Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	110.00	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Nominal mix 1:3:6 (one cement is to three sand is to six graded stone aggregate) including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	12.27	Per Cubic metre			
3	Providing and laying concrete for plain/reinforced concrete in sub-structure complete as per drawing and technical specification clause 802,803,1202 1203 in PCC grade M-20 in 1:2:4 (one cement is to two sand is to four grade stone aggregate nominal size ) including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	81.00	Per Cubic metre			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.



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## Schedule of Quantity

Name of work:-C/O HSC building at Panjahal(SH :- C/O B/Wall &amp; cement concrete flooring )

Estimated Cost:- Rs.4,37,144/-only

Earnest Money:- Rs.8,800/- only

Time allowed:- Two months

Sr. No	Sub Head and item of work	Qty	Unit	Rate In		Amount
				figure	Words	
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth as per drawing and Technical Specification Clause 1603.1 including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge	39.90	Per Cubic metre			
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all lead ,dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	17.96	Per Cubic metre			
3	Providing stone soling dry hand packed including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	9.83	Per Cubic metre			
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	94.15	Per Cubic metre			
5	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	10.08	Per Cubic metre			
6	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	70.00	Each			
7	40 mm cement concrete flooring 1:2:4 ((One cement:two sand:four graded stone)aggregate 20mm nominal size)laid in one layer finished with a floating coat of neat cement including all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge	65.50	Per square metre			
	Total:-					

Executive Engineer,  
HP.PWD., Division  
Nahan.

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# SCHEDULE OF QUANTITY

Name of work:-Construction of Make Shift Hospital for COVID-19 at Judda & repair of old Election office building Nahan (SH:-providing sanitary fitting in Make shift hospital & Distempering, Painting & miscellaneous works in old Election office ) under deposit

Estimated Cost:- Rs 3,23,710/-only

Earnest money:- Rs 6,500/- only

Time:- Two Months

Sr.No	Sub Head and item of work	Qty	Unit	Rate		Amount
				Figure	Words	
1	Brick work using common burnt clay building bricks in foundation and plinth in Cement Mortar 1:4 (One cement is to four sand) Second Class Bricks including carriage of materials through all modes of transportion with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	12.52	Per Cubic metre			
2	Half brick work using common burnt clay building bricks in foundation and plinth in Cement Mortar 1:4 (One cement is to four sand) Second Class Bricks including carriage of materials through all modes of transportion with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-Charge.	15.90	Per Square metre			
3	15mm ( fifteen milimetre ) cement plaster in single coat on rough side of brick/ concrete/stone walls of interior plastering upto floor two level including arrises,internal rounded angles, chamfers & rounded angles not exceeding 80mm in ( eighty milimetre ) grith finished even and smooth in cement mortar 1:4 ( One cement is to four sand) as per HP.PWD.,specification volume-I ( one )including carriage of all labour equipment & materials to various location through all leads,lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-Charge.	23.40	Per Square metre			
4	Constructing manhole with R.C.C. top slab in 1:2:4 mix ( One cement is to two approved sand is to four graded stone aggregate 20mm ( twenty milimetre ) nominal size ) foundation concrete 1:4:8 ( one cement is to four sand is to eight graded stone aggregate 40mm nominal size ) inside plastering 15mm ( fifteen milimetre ) thick with cement mortar 1:3 ( one cement is to three approved sand )finished with a floating coat of neat cement & making channels in concrete 1:2:4 mix ( One cement is to two approved sand is to four graded stone aggregate 20mm ( twenty milimetre )nominal size ) finished smooth complete including curing & testing inside size 800 x 800 x 500mm ( eight hundred into eight hundred into five hundred milimetre ) deep including C.I. cover with frame ( Light duty single seal pattern ) 455mm x 610 mm ( four hundred fifty five milimetre into six hundred ten milimetre ) internal dimensions total weight of cover and frame to be not less than 38 Kg ( thirty eight kilogram )(Weight of cover 23Kg( twenty three kilogram ) and weight of frame 15 Kg ( fifteen kilogram ) with 200mm ( two hundred millimeter ) thick wall of brick masonry using common burnt clay building bricks in cement mortar 1:3 ( one cement is to three approved sand ) as per HP.PWD.,specification Volume-I (one) including carriage of all labour equipment & materials to various location through all leads,lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	4.00	Each			
5	Providing and fixing CPVC 20 (twenty)mm dia pipe including assesories complete including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	92.00	Per Rmt.			
6	Providing and fixing high pressure PVC spigot and socket soil waste and ventilating pipes.80(eighty)mm dia pipe including assesories complete including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	18.00	Per Rmt.			
7	Providing and fixing high pressure PVC spigot and socket soil waste and ventilating pipes.110(one hundred ten)mm dia pipe including assesories complete including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	20.00	Per Rmt.			
8	Repairs to plaster in patches of 2.50 Sqm and under and 10 to 15 mm thick including cutting the patch in proper shape and replastering the surface of the wall including disposal of rubbish to the dumping ground within a Lead of 20 metres with:- Cement Mortar 1:5 ( 1 Cement : 5 Sand) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	15.90	Per square metre			



	ing and fixing in position collapsible steel shutters with vertical channels 20 mm X10 mmX2mm and braced in flat iron diagonals 20 mm X5 mm size with top and bottom rails of T.iron 40 mm X40 mm X6 mm with 38 mm dia steel pulley complete with bolts and nuts locking arrangements, stoppers,handles,including applying a priming coat of red lead paint.including all leads,lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	2.97	Per Square Metre			
10	Demolition of brick work above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials. In cement mortar including all leads,lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	0.72	per Cubic metre			
11	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	261.16	Per Square metre			
12	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	261.16	Per square metre			
13	Applying priming with cement primer coat on new concrete/Masonry/ asbestors cement/plastered surface and including preparing the surface by thoroughly cleaning oil,grease,dirt and other foreign matter and sand papering as required with : Ready Mixed primer including carriage of materials with in all leads and other incidental complete as per entire satisfaction of the Engineer-in-Charge.	261.16	Per square metre			
14	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. Priming coat with distemper primer including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge including carriage of materials with in all leads and other incidental complete as per entire satisfaction of the Engineer-in-Charge.	261.16	Per square metre			
15	Painting two coats(excluding coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt,dust and other foreign matter,sand papering & stoping With enamel paint other than white .including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	32.26	Per square metre			
16	Painting two costs (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters :-- Enamel paint other than white including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	7.80	Per Square Metre			
17	Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately)6mm thick including all leads and lifts as per the direction of Engineer-in Charge.	26.26	Per Square Metre			
18	Providing and fixing plain square edged cover fillets (beading) 40mmx12mm section with wood screws in ceiling and lining. 1st class deodar wood including mitring at junctions including all leads and lifts as per the direction of Engineer-in Charge.	102.50	Per Rmt			
19	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position Sal wood including all leads and lifts as per the direction of Engineer-in Charge.	0.570	Per Cubic metre			
	Total :-					

Executive Engineer,  
Nahan Division,  
HP,PWD, Nahan.

Schedule of Qauantity

Name of work:-A/R & M/O Nahan Dadahu Haripurdhar road Km 0/0 to 36/0(SH :-P/L Paver block at RD 33/450 to 33/530)

Estimated Cost:- Rs.4,78,366/-only

Earnest Money:- Rs.9,600/-only

Time allowed:- Two months

Sr. No	Sub Head and item of work	Qty	Unit	Rate In		Amount
				figure	Words	
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 all lead dressing of sides and bottom and back filling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	15.11	Per Cubic metre			
2	Providing and laying of interlocking concrete block pavements having thickness 80mm (eighty millimetre) M-40(forty) grade and spreading 50mm (Fifty millimetre) thickness sand under neath and filling the joints with sand including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	272.00	Per Square metre			
3	Providing concrete for reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 R.C.C. grade M- 20 Nominal mix (1:2:4) (one cement is to two sand is to four crushed stone aggregate) 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.	8.46	Per Cubic metre			
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Nominal mix 1:3:6 (one cement isto three sand isto six graded stone aggregate) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	5.80	Per Cubic metre			
5	Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202 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.	0.582	Per Tonne			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.



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## SCHEDULE OF QUANTITY

Name of work:-R/R damages on Nahan Dadahu Haripurdhar road Km 0/0 to 36/0( SH:-C/O R/Wall at RD 34/730 to 34/740)

Estimated cost :- Rs.4,32,451-only

Earnest Money:- Rs.8,700/-only

Time:- Two Months.

Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	70.85	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement is to four sand is to eight crushed aggregates) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	107.05	Per Cubic metre			
3	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	9.00	Per Cubic metre			
4	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	66.00	Each			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.





### SCHEDULE OF QUANTITY

Name of work:-Repair work for balance work of Dr. Y.S. Parmar medical college & hospital at Nahan (SH :- P/F Aluminium grills,Wire mesh shutters & P/F 12 mm thick prelaminated board in female ward,special ward,stair case & toilet block )

Estimated Cost:-4,39,486/-only  
Earnest Money:- 8,800/- only  
Time allowed:- Two months

Sr No	Sub Head/Item of works	Quantity	Unit	Rate in figure	Rate in world	Amount
1	Providing and fixing aluminium 8 (eight) mm thick grill anodised powder coated pattern to existing window/ventilator with 80mmx80mm panels holes with 25x8mm thick aluminium flat in windows and ventilators including fixing with aluminium screws or bolts and nuts complete in alluminium channels base frames (Aluminium channels base frames to be measured and paid for separately)including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	141.74	Per Square metre			
2	Providing & fixing satinless steel wire mesh shutters in aluminium doors, windows, ventilators shutters and partitions etc. with PVC neoprene gasket etc. complete as per the Architectural drawing & as per direction of Engineer-in-Charge (Cost of snap beeding shall be paid in basic items) as per HP.PWD., specification 1990 volume-I ( one ) including carriage of materials to various location through all leads, lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-Charge.	34.18	Per Square emtre			
3	Providing & fixing 12mm prelaminated board bwp phenol bonded exterior/interion grade both sides including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	29.30	Per square metre			
4	Providing & fixing 100mm ( one hundred milimetre )bright finished brass floor door stopper with rubber cushion etc. to suit shutters thickness complete as per HPPWD specification 1990 volume-I ( One )including carriage of all labour equipments & materials to various location through all leads, lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-Charge.	43.00	Each			
5	Providing & fixing bright finished hard drawn hooks & eyes 150mm size ( One hundred fifty milimetre size ) as per HPPWD specification 1990 volume-I ( One ) including carriage of all labour equipments & materials to various location through all leads, lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-Charge.	112.00	Each			
	Total :-					

Executive Engineer  
Nahan Divisoin  
HPPWD, Nahan

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SCHEDULE OF QUANTITY

Name of work:-Repair work for balance work of Dr. Y.S. Parmar medical college & hospital at Nahan (SH :- P/F glazing in aluminium work ,distempering & finishing wall with emulsion in main block, female ward,stair case & toilet block ))

Estimated Cost:-4,73,814/-only  
Earnest Money:- 9,500/- only  
Time allowed:- Two months

Sr No	Sub Head/Item of works	Quantity	Unit	Rate in figure	Rate in world	Amount
1	Providing and fixing glazing in aluminium door,window,ventilators shutters & partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the direction of Engineer-in-Charge ( Cost of aluminium snap beading shall be paid for separately ) glazing with glass pans of 6/5.5 mm ( Six/ Five point five milimeter ) thickness ( weight not less than 13.75 Kg/ Sqm ( Thirteen point seven five Kilogramme per square meter ) as per HPPWD specification 1990 volume-I ( One ) including carriage of all labour equipments & materials to various location through all leads,lifts & other incidental charges complete as per entire satisfaction of the Engineer-in-Charge.	128.14	Per Square meter			
2	Finishing wall with weather proof exterior grade emulsion of approved design (apexultima ) or its equarled on undecorated wall surface (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dir, dust and other foreign matter etc including sand paper smooth complete including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	1871.76	Per Square metre			
3	Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. Priming coat with distemper primer including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge including carriage of materials with in all leads and other incidental complete as per entire satisfaction of the Engineer-in-Charge.	2120.39	Per square metre			
	Total :-					

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Executive Engineer  
Nahan Division  
HPPWD, Nahan



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## SCHEDULE OF QUANTITY

Name of Work:-C/O L/R Majri Churan Km 0/0 to 1/800,A/R & M/O Kala Amb Trilokpur road Km 0/0 to 6/300 & Sainwala Burma Papri K.W.Bhood road Km 0/0 to 19/0 (SH :-C/O X-drainage work at RD 0/600,PCC patch work & repair of pot holes)

Estimated Cost Rs.4,99,455/- only

Earnest money: Rs10,000/- only

Time:- Two Months

Sr No	Sub Head/Item of work	Quantity	Unit	Rate in figure	Rate in world	Amount
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 all lead dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	17.82	Per Cubic metre			
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:6:12 ( one cement is to six sand is to twelve aggregates 40mm nominal size) including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	0.79	Per Cubic metre			
3	Providing concrete for plain/reinforced concrete in open foundations as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C grade M- 20 Nominal mix 1:2:4 (One cement is to two sand is to four graded stone aggregate twenty milimetre nominal size including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	5.58	Per Cubic metre			
4	Providing and laying 900mm dia reinforced cement concrete pipe NP2 for culverts on first class bedding of granular materials in single row including fixing excluding excavation protection work, back filling concrete and masonry work in head walls and parapets clause 1108 including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	7.50	Per Running metre			
5	Construction of embankment with approved material obtained from borrow pits transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 as per technical Specification Clause 301.5 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.	900.00	Per Cubic metre			
6	Providing concrete for plain concrete complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Nominal mix, M-10(ten)1:3:6 (one cement isto three sand isto six graded stone aggregate) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	26.81	Per Cubic metre			
7	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 (twenty) mm thick premix carpet and seal coat type B specification clause 1904.2, 503 and 508.1including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	180.00	Per Square Metre			
	Total :-					

Executive Engineer  
Nahan Division,  
HP,PWD, Nahan.

Name of Work:-Restoration of rain damages on Balsar Jhajar road Km 0/0 to 17/125 (SH:-Removal of slips)

SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,97,952/- only

Earnest money:- Rs 10,000/- only

Time:- Two Months

Sr No	Sub Head/Item of work	Quantity	Unit	Rate in figure	Rate in world	Amount
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slops and disposal of cut material with all lead and lift as per technical specification 302.3.5 and 1611 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	6916.00	Per Cubic metre			

Executive Engineer,  
HP.PWD., Division  
Nahan.



## Draft Schedule of Qauantity

Name of work:-C/O PHC building at Banethi(SH :- C/O R/Wall, B/Wall , parapets &amp; cement concrete flooring in front &amp; left side of building)

Estimated Cost:- Rs.4,95,805/-only

Earnest Money:- Rs.10,000/- only

Time allowed:- Two months

Sr. No	Sub Head and item of work	Qty	Unit	Rate In		Amount
				figure	Words	
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth as per drawing and Technical Specification Clause 1603.1 including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge	14.31	Per Cubic metre			
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all lead ,dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	10.49	Per Cubic metre			
3	Providing stone soling dry hand packed including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	12.96	Per Cubic metre			
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	93.67	Per Cubic metre			
5	Providing concrete for reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 R.C.C. grade M- 20 Nominal mix (1:2:4) (one cement is to two sand is to four crushed stone aggregate) 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.	18.13	Per Cubic metre			
6	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	7.95	Per Cubic metre			
7	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	30.00	Each			
8	40 mm cement concrete flooring 1:2:4 ((One cement:two sand:four graded stone)aggregate 20mm nominal size)laid in one layer finished with a floating coat of neat cement including all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge	7.95	Per square metre			
	Total:-					

Executive Engineer,  
HP.PWD., Division  
Nahan.

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Schedule of Qauantity

Name of work:-A/R & M/O Link road Birla to Tirmali Km 0/0 to 7/745(SH :-C/O unlined surface drains & P/L Kharanja soling at RD 5/200 to 6/00) Estimated Cost:- Rs.4,82,447/-only  
 Earnest Money:- Rs.9,700/- only  
 Time allowed:- Two months

Sr. No	Sub Head and item of work	Qty	Unit	Rate In		Amount
				figure	Words	
1	Construction of unlined surface drains of average cross-sectional area 0.40 (zero point four zero) sqm in soil to specified lines, grades, levels and dimensions. Excavated material to be used in embankment as per technical Specification Clause 307 including carriage of all labour, equipments and materials to various locations through all modes of transportation in all lead & lifts and all incidental charges.	800.00	Per Running metre			
2	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	2579.50	Per Square metre			
3	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 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	2579.50	Per Square metre			
4	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 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	381.15	Per Cubic metre			
	Total:-					

Executive Engineer,  
 HP.PWD., Division  
 Nahan.



# SCHEDULE OF QUANTITY

Name of work:-R/R damages on link road Panar to Deed Bagar Km 0/0 to 4/500( SH:-C/O R/Wall at RD 2/785 to 2/799)

Estimated cost :- Rs.4,49,321-only

Earnest Money:- Rs.9,000/-only

Time:- Two Months.

Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	66.22	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	106.82	Per Cubic metre			
3	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	11.34	Per Cubic metre			
4	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	70.00	Each			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.

# SCHEDULE OF QUANTITY

Name of work:-R/R damages on Nahan Dadahu Haripurdhar road Km 0/0 to 36/0( SH:-C/O R/Wall at RD 30/645 to 30/661)

Estimated cost :- Rs.4,35,962-only  
Earnest Money:- Rs.8,800/-only  
Time:- Two Months.

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Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	57.07	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	107.28	Per Cubic metre			
3	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	14.40	Per Cubic metre			
4	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	64.00	Each			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.



# SCHEDULE OF QUANTITY

Name of work:-Improvement of black spot on Banog Kheri road Km 0/0 to 39/0( SH:-C/O balance work of R/Wall at RD 7/724 to 7/743)

Estimated cost :- Rs.4,90,376/-only

Earnest Money:- Rs.10,000/-only

Time:- Two Months.

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Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	56.43	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	116.28	Per Cubic metre			
3	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	36.48	Per Cubic metre			
4	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	54.00	Each			
Total :-						

Executive Engineer,  
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Nahan.

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# SCHEDULE OF QUANTITY

Name of work:-A/R &M/O Jhameria Rama Dhon Dhagera road Km 0/0 to 22/300(SH :-C/O U Shpe PCC road side drain in Km 11/200 to 11/600)

Estimated cost :- Rs.4,37,573/-only

Earnest Money:- Rs.8,800 /-only

Time:- Two Months.

Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all leads, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	225.00	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Nominal mix 1:3:6 (one cement isto three sand isto six graded stone aggregate) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	86.00	Per Cubic metre			
	Total :-					

Executive Engineer,  
HP.PWD., Division  
Nahan.



Schedule of Qauantity

Name of work:-R/R damages on Birla Tirmali road Km 0/0 to 7/745(SH :-C/O B/Wall in wire crates & U-Shape drain at RD 5/360 to 5/401)

Estimated Cost:- Rs.4,99,257/-only  
Earnest Money:- Rs.10,000/-only  
Time allowed:- Two months

Sr. No	Sub Head and item of work	Qty	Unit	Rate In		Amount
				figure	Words	
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 all lead dressing of sides and bottom and back filling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	95.63	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Nominal mix 1:3:6 (one cement isto three sand isto six graded stone aggregate) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	8.30	Per Cubic metre			
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	78.72	Per Cubic metre			
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(ten) percent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	64.06	Per Cubic metre			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.

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# SCHEDULE OF QUANTITY

Name of work:-A/R & M/O Majari to Burma Papri road Km 0/0 to 9/0( SH:-C/O R/Wall at RD 8/412 to 8/424 )

Estimated cost :- Rs.2,59,183/-only

Earnest Money:- Rs.5,200/-only

Time:- Two Months.

Sr. No	Description/ Item Rate	Quantity	unit	Rate		Amount
				Figure	Words	
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 all lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads,lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	30.00	Per Cubic metre			
2	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 nominal mix C.C. 1:4:8 ( one cement: four sand: eight crushed aggregates) including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	62.10	Per Cubic metre			
3	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	14.40	Per Cubic metre			
4	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7. including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	20.00	Each			
Total :-						

Executive Engineer,  
HP.PWD., Division  
Nahan.



# SCHEDULE OF QUANTITY

Name of Work:-C/O link road Kanyonghat to Sher Reshla Rojbendli km.0/0 to18/500.(SH:- F/C at RD 4/660 to 4/685)

Estimated Cost Rs.1,49,360/- only  
Earnest money: Rs 3,000/- only  
Time:- Two Months

Sr No	Sub Head/Item of work	Quantity	Unit	Rate in figure	Rate in world	Amount
1	Excavation in earthwork in hilly area all heights and depths, in all kind of soils including saturated soil comprising of mixed soil, ordinary rock 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 stability of hill side. Rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting / excavation, including rock excavation shall be carried out true to lines, grades, side slopes, width, camber, super-elevation and level as shown on the drawings or as directed by the Engineer-in-charge, in conformity with the requirement of technical specification of Ministry of Rural Development for Rural Roads August, 2004 (Two Thousand Four),C-1603.1, 1603.2 (Clause - One Thousand Six Hundred Three point One, One Thousand Six Hundred Three point Two) to achieve designed formation width including hauling and stacking of material useful for construction at suitable sites and safe disposal of unsuitable cut materials by all modes of transportations in all leads and lifts at specified places. in specified manner, systematically with due consideration to avoiding adverse effects on environment, trimming, filling of unevenness, blind age and finishing of the road to specified dimensions to the entire satisfaction as directed by the Engineer-in charge for smooth plying of traffic. All useful material such as stones, shingle, aggregate and slates shall be sorted out and stacked along the road side not less than 70.10 cubic metre in all cases, failing which recovery at the rate of Rupees 170/- only (Rupees one hundred seventy only) per cubic meter shall be effected. Any loss to the public and private property during the course of excavation shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.including haulage of mateial with in all leads, lifts and carriage of materials and as directed by the Engineer in-charge.	1234.38	Per Cubic metre			

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