



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

"NOTICE INVITING TENDER"

Sealed item rate tender for the following works are hereby invited by the Executive Engineer, B&R Division HP.PWD., Joginder Nagar District Mandi (H.P) from the eligible contractors of the appropriate class registered in HP.PWD. as per revised enlistment rules so as to reach in the office of under signed on **10/09/2021 up to 11:30 A.M.** and will be opened on the same day at **(12:00 noon)** in the presence of intending contractors. The tender application will be received in this office against cash payment on **08/09/2021 up to 10.00 A.M. to 12:30 P.M.** and tender form can be had from this office on **09/09/2021 from 2.00 P.M. to 5.00 Pm.** The earnest money as shown against each in the shape of F.D.R of any bank in Himachal Pradesh duly pledged in the name of the under signed must accompany with each tender. The tender form will be issued to contractor giving proof of enlistment, GST, work done certificate, proof of machinery etc. Conditional tender and tender received without earnest money will be out rightly rejected. The offer of the tender shall be kept open for 90 days. The Executive Engineer reserves the right to reject any or all the tenders without assigning any reasons.

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


| Sr. No. | Name of work | Amount put to tender/ Est. cost | Earnest money | Cost of Tender Form | Eligible Class of Contractor | Time |
|---------|---|---------------------------------|---------------|---------------------|------------------------------|--------------|
| 1 | Construction and M/T on jeepable link road to village Thanotu Saj Jarl Km. 0/0 to 1/800. (Sub Head:- Providing and laying wearing grade-II and tarring at Km. 0/500 to 1/0) | ₹ 4,40,465/- | ₹ 8,800/- | ₹ 350/- | Class "D" | Three months |
| 2 | Construction and M/T on Drubbal to Traimbli Ropru road Km. 0/0 to 2/500. (Sub Head:- Construction of 3.00 mtr. Span RCC slab culvert at Km. 0/465) | ₹ 4,99,184/- | ₹ 10,000/- | ₹ 350/- | Class "D" | Three months |
| 3 | Construction of Govt. High School Khaddar Tehsil Lad Bharol District Mandi (H.P). (Sub Head:- Construction of retaining wall and Ramp under deposit) | ₹ 2,13,254/- | ₹ 4,300/- | ₹ 350/- | Class "D" | Three months |
| 4 | Construction of Zim Zima Mandokhar Devgarh road. (Sub Head:- Providing and laying kharanja stone soling and cement concrete pavement in Km. 0/195 to 0/295). | ₹ 1,87,425/- | ₹ 3,700/- | ₹ 350/- | Class "D" | Three months |
| 5 | Construction of link road from village Fagla to Salandhar road Km. 0/0 to 2/0. (Sub Head:- Construction of breast wall at Km. 1/190 to 1/205). | ₹ 1,08,805/- | ₹ 2,200/- | ₹ 350/- | Class "D" | Three months |
| 6 | Construction of Mata Thana Acharya Basti road. (Sub Head:- Providing and laying kharanja stone soling and cement concrete pavement in Km. 0/0 to 0/207). | ₹ 2,47,574/- | ₹ 5,000/- | ₹ 350/- | Class "D" | Three months |
| 7 | Construction of link road to village Paloti Km. 0/0 to 1/0. (Sub Head:- P/L kharanja soling & CC pavement at Km. 0/0 to 0/207) | ₹ 2,47,574/- | ₹ 5,000/- | ₹ 350/- | Class "D" | One month |
| 8 | Construction of link road to village Majhwar Km. 0/0 to 1/0. (Sub Head:- P/L cement concrete pavement at Km. 0/275 to 0/355) | ₹ 1,30,722/- | ₹ 2,600/- | ₹ 350/- | Class "D" | One month |
| 9 | Construction of link road to village Bhagehar. (Sub Head:- Construction of 900mm dia hume pipe culvert along with both side wing wall at Km. 0/540). | ₹ 1,13,086/- | ₹ 2,300/- | ₹ 350/- | Class "D" | Three month |

| | | | | | | |
|----|--|--------------|-----------|---------|-----------|--------------|
| 10 | Construction of road from Kamal Galu to Harizan Basti Lower Nauhli (Ropoo) Km. 0/0 to 2/500 (Sub Head:- Providing and laying CC Pavement at RD. 0/045 to 0/145 & G-II, 20mm thick premix carpet at RD. 0/540 to 0/890 | ₹ 4,90,743/- | ₹ 9,800/- | ₹ 350/- | Class "D" | Three months |
| 11 | Restoration of rain Damages on Ahju Basahi road (MDR-57) Km. 0/0 to 4/0 (Sub Head:- Construction of wire crate retaining/protection wall in Km. 34/540 to 34/550 | ₹ 91,785/- | ₹ 1,800/- | ₹ 350/- | Class "D" | Three months |
| 12 | Providing way side facility on Khaddar Khudi road Km. 0/0 to 8/0 (Sub Head:- Construction of rain shelter at Km. 7/500 at Khuddi village). | ₹ 99,902/- | ₹ 2,000/- | ₹ 350/- | Class "D" | Three months |
| 13 | Providing way side facility on Baijnath Lad-Bharol Kandhapattan road Km. 0/0 to 46/0 (Sub Head:- Construction of rain shelter at Km. 21/950 Near Chaplu Bridge). | ₹ 99,902/- | ₹ 2,000/- | ₹ 350/- | Class "D" | Three months |
| 14 | Providing way side facility on Sandhapattan Bharol Bagora Bagla Hard Ropri Kolang Traimbli Basahi Drubbal Charonj Banwar Kun Ka-Tar Kun Mandokhar Bhargoan Kotli road Km. 0/0 to 58/0 (Sub Head:- Construction of rain shelter at Km. 3/0 at Village Ghatour). | ₹ 99,902/- | ₹ 2,000/- | ₹ 350/- | Class "D" | Three months |

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

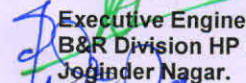
Terms and conditions:-

1. The contractor should produce a copy of enlistment / renewal letter at time of application.
2. Executive Engineer reserves the right to reject/cancel any or all the tenders without assigning any reasons.
3. The contractor/Firm shall have his registration and GST No, the copy of same be attached with the application.
4. The earnest money shall be deposited duly pledged in favour of Executive Engineer B&R Division HPPWD., Joginder Nagar & cost of tender form for the above works should be submitted with the application for the purchase of the tender forms. The application received without earnest money & cost of tender form shall summarily be rejected.
5. No tender form will be issued to the contractor without producing the work done certificate from the Executive Engineer concerned.
6. The Contractor/Firms must have executed minimum one civil /similar nature of work done of amount not less than 40% (forty percent) of the estimated cost (without Liquidated Damage or compensation) in last five years.
7. The contractor/firms are requested to insert the rate of each item in words as well as in figures failing which XEN reserves the right to accept/reject any tender without assigning any reason at any stage.
8. The tender shall be issued to those contractors who have not more than two works in hand.


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

No. PW-JND-B&R-EA-I/NIT/Press/2021-22- 11270-79 Dated:- 27/08/2021

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


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

SCHEDULE OF QUANTITY

Name of Work : Construction & M/T on jeepable link road village Thanotu Saj Jarl Km 0/00 to 1/800
(S.H. : Providing and laying Wearing Grade - II & Tarring at RD 0/500 to 1/00)

Estimate Cost: 4,40,465.
Earnest Money: 8,800.
Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|---|-------------|------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Providing, laying, spreading and compacting stone aggregates by manual means of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN (eighty-hundred kilo newton) static roller in stages to proper grade and camber applying and brooming, stone screening/ binding materials to fillup the interstices of course aggregate watering and compacting to the required density Grading-2 (two) as per technical specification clause 405 complete within all leads, lifts, carriage of material and other incidentals charges. | 108.29 | Per cubic metre | | | |
| 2 | Providing and applying primer/tack with bituminous primer at the rate of 1.00 (one point zero zero) kilogram per square metre on existing WBM (Water bound macadam) surface cleaned with mechanical brooms as per HP.PWD./MORD specification complete within all leads, lifts, carriage of material and other incidentals charges. | 1443.75 | Per square metre | | | |
| 3 | Providing laying and rolling by manual means of open grades premix carpet of 20mm (twenty millimeter) thickness composed of 13.2mm (thirteen decimal two millimeter) and 11.20 (eleven decimal twenty millimetre) aggregate mixed in the ratio 2:1 (two is to one) and @ 0.27 cum (zero decimal twenty seven cubic metres) mixed with bitumen VG-10 (ten) @ 14.60 kg (fourteen point sixty kilogram) per ten square metre of road surface required line grade and level to serve as wearing course on a previously prepared base, including heating binder and aggregate in plant 30/40 ton capacity per hour transporting mixed material with tippers and laying with pavers finisher to the required grade to be followed by seal coat of type-B and camber and rolling with a three Wheel 80-100 KN static road roller to required level and grade as per MORD technical specifications clause No. 506 and as per directions of Engineer-In-Charge including hauling / carriage of materials to various location through all modes of transportation in all leads, lift and other incidental complete in all respect. | 1443.75 | Per square metre | | | |
| 4 | Providing and laying seal coat Type-B by manual means sealing the voids in a bituminous surface laid to the specified levels, grade and crossfall using Bitumen (S-90) as per technical specification Clause 510 including hauling of material in all leads and lifts by all modes of transportation within all leads, lifts, carriage of material and other incidentals charges. | 1443.75 | Per square metre | | | |
| Total | | | | | | |

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

DRAFT SCHEDULE OF QUANTITY

Name of Work : Construction & M/T on Drubbal to Traimbli Ropru road km 0/00 to 2/500
(SH: Construction of 3.00 mtr. Span RCC Slab Culvert at RD 0/465)

| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: 4,99,184. Earnest Money: 10,000. Time Limit : Three Months | | |
|--------|--|-------------|-----------------|---|------------|--------------|
| | | | | Figures | Rate Words | AMOUNT Rs. P |
| 1 | Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost . | 124.78 | 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. Plain cement concrete 1:4:8 (one cement : four sand : eight graded/crushed stone aggregate 40mm (forty millimetre) nominal size) complete within all leads, lifts carriage of material and other incidentals. | 29.42 | Per cubic metre | | | |
| 3 | Providing and laying reinforced cement concrete in super structure as per drawing and technical specifications clauses 800, 1205.4 & 1205.5. Reinforced cement concrete M-25 (1:1.5:3) (one cement : one and half sand : three graded stone aggregate 20mm (twenty millimetre) nominal size) upto any height complete within all leads, lifts carriage of material and other incidentals. | 9.53 | Per cubic metre | | | |
| 4 | Supplying, fitting and placing HYSD bar reinforcement in super structure complete as per drawing and technical specifications clauses 1002, 1010 and 1202 complete within all leads, lifts carriage of material and other incidentals. | 0.53 | Per tonne | | | |
| 5 | Providing and laying Plain / reinforced cement concrete in substructure complete as per drawings and technical specifications clause 802, 804,805,806,807,1202 & 1204, PCC Grade M-15 (nominal mix 1:2.5:5) upto 5m height and curing complete including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect.The rate is including octroi, royalty, GST, toll tax, Sale Tax or other taxes imposed by the government. | 100.86 | Per Cubic metre | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------------|--|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 6 | Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals. | 20.47 | Per cubic metre | | | |
| 7 | Stone masonry in cement mortar for sub structure complete as per drawing and technical specification clauses 702,704,1202 & 1204 Coursed rubble masonry first sort in cement mortar 1:5 (one cement : five sand) including curing complete within all leads, lifts carriage of material and other incidentals. | 1.92 | Per cubic metre | | | |
| 8 | Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plums and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals . | 1.70 | Per cubic metre | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY


Name of Work : Construction of Govt. High School Khadder Tehsil Lad Bharol District Mandi (H.P)
(S.H. : Construction of Retaining wall and Ramp Under Deposit)

Estimate Cost: 2,13,254.
Earnest Money: 4,300.
Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|---|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost. | 45.60 | Per cubic metre | | | |
| 2 | Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plums and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals. | 80.91 | Per cubic metre | | | |
| 3 | Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals. | 15.75 | Per cubic metre | | | |
| 4 | Filling earth in foundation trenches as per drawing and technical specifications clause 305.3.9 complete within all leads, lifts carriage of material and other incidentals. | 12.18 | Per cubic metre | | | |

3

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------------|---|-------------|-------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 5 | Steel work welded in built up sections, trusses and framed work, in gratings framed guard bars, ladders, railing, brackets and similar works including cutting, hoisting, fixing in position and applying a priming coat of red lead paint including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. | 3.49 | Per Quintal | | | |
| 6 | Providing weep holes in brick masonry/stone masonry/plain or reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia P.V.C. pipe extending through the full width of the structures with slope of 1 (v): 20(H) towards drainage face complete as per drawing and M.O.R.D. technical specification clauses 614, 709 & 1206.6 and as per the directions of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals and to the entire satisfaction of the Engineer-in-Charge. | 20.00 | Each | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Construction of Zim Zima Mandkhor Devgarh road
(S.H. : Providing and laying Kharanja Stone soling and Cement Concrete Pavement in Km 0/195 to 0/295)

Estimate Cost: 1,87,425.
Earnest Money: 3,700.
Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Stone soling properly handpacked 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. 100 mm (one hundred millimeter) spread thickness (finished work including materials and labour) and to the entire satisfaction and direction of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 44.10 | Per Cubic metre | | | |
| 2 | Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement of thickness as per design, over a prepared sub base with 43(forty three) grade cement M-30 (thirty) grade, design mix cement concrete, coarse and fine aggregates conforming to IS:383(three hundred eighty three), maximum size of coarse aggregate not exceeding 25mm(twenty five millimeter) mixed in a concrete mixer of not less than 0.2 (zero point two) cubic meter capacity and appropriate weight batcher using approved mix design, laid in approved fixed side form work (steel channel) laying and fixing of 125(one hundred twenty five) micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes,compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant,dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs using curing compound (where specified) and water, finishing to line and grade as per drawing and as per M.O.R.D. technical specification clause 1501 and as per directions of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 36.75 | Per cubic metre | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Construction of Link road from Village Fagla to Salandhar road km 0/00 to 2/00.
(SH: Construction of Breast wall at RD 1/190 to 1/205)

| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: | | Three Month |
|--------|---|-------------|-----------------|----------------|------------|--------------------|
| | | | | Figures | Rate Words | |
| 1 | Excavation in soil in hilly area in all heights and depths and in all kind of soil by all means including saturated soil comprising of ordinary soil, soft rocks, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required line, grades, width cutting and trimming of side slopes and level as shown on the drawing and as directed by the Engineer-in-Charge at site according to the M.O.R.D. technical specification section 1000 & 300 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of the road and transportation of useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material at approved dumping sites through all modes of transportation including head load or animals transport or mechanical means along with its leveling fine dressing and hauling /carriage of machineries, materials, tools equipments and safety measures. Any loss to the public / private property during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him at his own cost. | 18.30 | Per cubic metre | | | 1,08,805 2,200. |
| 2 | Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost. | 12.00 | Per cubic metre | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 3 | Providing and laying cement concrete 1:5:10(one cement: five sand:ten graded crushed / broken stone aggregate 40 mm (forty millimeters) nominal size) plums and curing complete including the cost of form work in Retaining walls Breast walls , in or under water complete including, pumping or bailing out water ,dewatering removal of slush as required at site which may arisen at the time of laying under water complete for all heights/depths including cost of form work as per drawings and MORD technical specifications section 800, 900,1200 & 1600 and as per the direction of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals . | 47.31 | Per cubic metre | | | |
| 4 | Providing weep holes in brick masonry/stone masonry/plain or reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia P.V.C. pipe extending through the full width of the structures with slope of 1 (v): 20(H) towards drainage face complete as per drawing and M.O.R.D.technical specification clauses 614, 709 & 1206.6 and as per the directions of Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals and to the entire satisfaction of the Engineer-in-Charge . | 31.00 | Each | | | |
| | Total | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Construction of Mata Thana Acharya Basti Road.
(S.H. : Providing and laying Kharanja Soling & CC Pavement at RD 0/00 to 0/207)

Estimate Cost: 2,47,574.00
Earnest Money: 5,000.00
Time Limit : Three Months


| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------------|---|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Stone soling properly handpacked 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. 100 mm (one hundred millimeter) spread thickness (finished work including materials and labour) and to the entire satisfaction and direction of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 89.66 | Per Cubic metre | | | |
| 2 | Construction of un-reinforced cement concrete pavement as per design and drawing with expension and construction joints, over a prepared sub base, with 43 (forty three) grade cement as per technical clause and specifications M-20 (twenty) grade course and fine aggregate conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm (twenty five millimetre) mixed in a concrete mixer of not less than 0.2 cum (zero point two cubic metre) capacity including form work with steel channels and plates and entire carriage of material with in all leads and lifts complete as per the direction of Engineer-in-charge. | 59.78 | Per Cubic metre | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Construction of link road to Village Paloti Km 0/00 to 1/00.
(S.H. : Providing and laying Kharanja Soling & CC Pavement at RD 0/00 to 0/207)


| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: | | |
|--------|---|-------------|-----------------|----------------|--------------|-----------------|
| | | | | Rate | Time Limit : | Three Months |
| | | | | Figures | Words | AMOUNT Rs. P |
| 1 | Stone soling properly handpacked filling intersices 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. 100 mm (one hundred millimeter) spread thickness (finished work including materials and labour) and to the entire satisfaction and direction of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 89.66 | Per Cubic metre | | | |
| 2 | Construction of un-reinforced cement concrete pavement as per design and drawing with expension and construction joints, over a prepared sub base, with 43 (forty three) grade cement as per technical clause and specifications M-20 (twenty) grade course and fine aggregate conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm (twenty five millimetre) mixed in a concrete mixer of not less than 0.2 cum (zero point two cubic metre) capacity including form work with steel channels and plates and entire carriage of material with in all leads and lifts complete as per the direction of Engineer-in-charge. | 59.78 | Per Cubic metre | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Construction of Link to Village Majhwar km 0/00 to 1/00
(S.H. : Providing and laying Cement Concrete Pavement at RD 0/275 to 0/355)

| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: | |
|--------|--|-------------|-----------------|----------------|-----------|
| | | | | Earnest Money: | Three Mon |
| | | | | Time Limit : | Rs. P |
| | | | | Figures | Rate |
| | | | | Words | AMOUNT |
| 1 | Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement of thickness as per design, over a prepared sub base with 43(forty three) grade cement M-30 (thirty) grade, design mix cement concrete, coarse and fine aggregates conforming to IS:383(three hundred eighty three), maximum size of coarse aggregate not exceeding 25mm(twenty five millimeter) mixed in a concrete mixer of not less than 0.2 (zero point two) cubic meter capacity and appropriate weight batcher using approved mix design, laid in approved fixed side form work (steel channel) laying and fixing of 125(one hundred twenty five) micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs using curing compound (where specified) and water, finishing to line and grade as per drawing and as per M.O.R.D. technical specification clause 1501 and as per directions of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 28.88 | Per cubic metre | | |
| Total | | | | | |


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

SCHEDULE OF QUANTITY


Name of Work : Construction of Link road to Village Bhagehar.

(S.H. : Construction of 900mm dia hume pipe culvert along with both side wing wall at RD 0/540)

Estimate Cost: 1,13,086.
Earnest Money: 2,300.
Time Limit : Three Month

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|---|-------------|-------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost. | 45.52 | Per cubic metre | | | |
| 2 | Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:4:8 (one cement : four sand : eight graded stone aggregate 40mm (forty millimetre) nominal size) complete within all leads, lifts carriage of material and other incidentals. | 3.67 | Per cubic metre | | | |
| 3 | Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203. Plain cement concrete Grade M-10 complete within all leads, lifts carriage of material and other incidentals. | 10.22 | Per cubic metre | | | |
| 4 | Providing and laying 900mm (nine hundred millimetre) diameter reinforced cement concrete pipe NP2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 (one cement : two sand) but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets clause 1108 complete within all leads, lifts carriage of material and other incidentals. | 5.00 | Per running metre | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 6 | Providing and laying flooring laid over cement concrete bedding complete as per drawing and technical specification. Rubble stone laid in cement mortar 1:5 (one cement : five sand) complete within all leads, lifts carriage of material and other incidentals. | 0.45 | Per cubic metre | | | |
| 7 | Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:5:10 (one cement : five sand : ten graded stone aggregate 40mm (forty millimetre) nominal size) complete within all leads, lifts carriage of material and other incidentals. | 25.89 | Per cubic metre | | | |
| 8 | Providing weep hole in brick masonry/ stone masonry / plain reinforced concrete abutment , wing wall, return wall with 100mm dia.(one hundred millimetre diameter) PVC pipe extending through the full width of the structures with slope of 1V:20H (one vertical isto twenty horizontal) towards drawing face complete as per drawing and technical specifications clauses 614,709,1204.3.7 including carriage of material and other incidentals. | 10.00 | Each | | | |
| 9 | Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals. | 4.05 | Per cubic metre | | | |
| | Total | | | | | |


 Executive Engineer
 B & R Division HP, PWD,
 Jalandhar 146001

SCHEDULE OF QUANTITY

Name of Work : Construction of road from Kamal Galu to Harizan Basti Lower Nauhli (Roproot) Km. 0/0 to 2/500.
(S.H. : Providing and laying CC Pavement at RD 0/045 to 0/145 & G-II, 20mm thick Premix carpet at RD 0/540 to 0/890)


Estimate Cost: 4,90,743.
Earnest Money: 9,800.

Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Providing, laying, spreading and compacting stone aggregates by mechanical means of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN (eighty-hundred kilo newton) static roller in stages to proper grade and camber applying and brooming, stone screening/ binding materials to fillup the interstices of course aggregate watering and compacting to the required density Grading-II (two) as per technical specification clause 405 complete within all leads, lifts, carriage of material and other incidentals charges. | 82.69 | Per cubic metre | | | |
| 2 | Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement of thickness as per design, over a prepared sub base with 43(forty three) grade cement M-30 (thirty) grade, design mix cement concrete, coarse and fine aggregates conforming to IS:383(three hundred eighty three), maximum size of coarse aggregate not exceeding 25mm(twenty five millimeter) mixed in a concrete mixer of not less than 0.2 (zero point two) cubic meter capacity and appropriate weight batcher using approved mix design, laid in approved fixed side form work (steel channel) laying and fixing of 125(one hundred twenty five) micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs using curing compound (where specified) and water, finishing to line and grade as per drawing and as per M.O.R.D. technical specification clause 1501 and as per directions of Engineer - in- Charge including hauling /carriage of materials to various location through all modes of transportation in all leads, lifts and other incidental complete in all respect. | 39.38 | Per cubic metre | | | |
| 3 | Providing and applying primer coat with BITUMEN emulsion (SS-1) on the prepared surface of granular base including cleaning of road surface and spraying primer @ 0.85 Kg. per Sqm. (zero point eighty five kilogramme) per square metre using mechanical means as per M.O.R.D. technical specifications clause No. 502 and as per directions of Engineer - in- Charge including carriage of materials within all leads and lifts and other incidental . The rate includes octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government. | 1102.50 | Per Square metre | | | |

10

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 4 | Providing and applying tack coat with bitumen emulsion (RS-1) using emulsion distributor @ 0.25 to 0.30 kg/sqm (at the rate of zero point two five to zero point three zero kilogramme per square metre) on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per technical specification clause 503 including haulage of material in all leads and lifts by all modes of transportation. | 1102.50 | Per square metre | | | |
| 5 | Providing laying and rolling by mechanical means of open grades premix carpet of 20mm (twenty millimeter) thickness composed of 13.2mm (thirteen decimal two millimeter) and 11.20 (eleven decimal twenty millimeter) aggregate mixed in the ratio 2:1 (two is to one) and @ 0.27 cum (zero decimal twenty seven cubic metres) mixed with bitumen VG-10 (ten) @ 14.60 kg (fourteen point sixty kilogram) per ten square metre of road surface required line grade and level to serve as wearing course on a previously prepared base, including heating binder and aggregate in plant 30/40 ton capacity per hour transporting mixed material with tippers and laying with pavers finisher to the required grade to be followed by seal coat of type-B and camber and rolling with a three Wheel 80-100 KN static road roller to required level and grade as per MORD technical specifications clause No. 506 and as per directions of Engineer-In-Charge including hauling / carriage of materials to various location through all modes of transportation in all leads, lift and other incidental complete in all respect. The rate includes octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government. | 1102.50 | Per square metre | | | |
| 6 | Providing and laying seal coat sealing the voids in a bituminous surface laid to specified level grade and cross fall using type-B as per M.O.R.D. technical specification clause 508 premixd with 6.8 kg (six point eight) kilogram VG-10 (ten) bitumen 0.06 (zero point zero six) cubic metre of fine aggregate per 10 sqm (ten square metre) heated in mini hot mix plant and laying of mixed material and rolling with power road roller 8-10 (eight to te capacity) and as per direction of Engineer-In-Charge including hauling / carriage of materials to various location through all modes of transportation in all leads, lift and other incidental complete in all respect. The rate includes octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government. | 1102.50 | Per square metre | | | |
| | Total | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Restoration of rain Damages on Ahju Basahi road (MDR-57) km 0/00 to 49/00
(S.H. : Construction of Wire Crate Retaining / Protection wall in km 34/540 to 34/550)

Estimate Cost: 91,785
Earnest Money: 1,800
Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Earth work in excavation for structures in all depths as per drawing and M.O.R.D.technical specification section 300 & 1600 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all lead and lift including dressing of sides and bottom and back filling in trenches with excavated Suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited). All earth work in cutting/excavation including rock excavation shall be carried out true to lines grades, side slopes, width, camber super elevation and level as shown on the drawings or as directed by the Engineer-in-Charge, hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified manner, filling of unevenness and finishing the road to specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage, rain and other causes it shall be removed by suitable diversion, bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. Any loss to the public or private property during the course of excavation shall be the whole responsibility of the contractor which shall have to be duly compensated by him at his own cost . | 15.35 | Per cubic metre | | | |
| 2 | Providing and laying of boulder apron laid in wire crates with 4mm (four millimetre) diameter G.I. wire conforming to IS: 280 and IS: 4826 in 100mm x 100mm (one hundred millimetre into one hundred millimetre) mesh (woven diagonally) including 10% (ten percent) extra for laps and joints laid with stones boulders weighing not less than 25 Kg. (twenty five kilogram) each as per drawing and technical specifications clause 1301 complete within all leads, lifts, carriage of material and other incidentals. | 58.59 | Per Cubic metre | | | |
| 3 | Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 Granular material complete within all leads, lifts carriage of material and other incidentals. | 9.08 | Per cubic metre | | | |
| Total | | | | | | |

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

SCHEDULE OF QUANTITY

Name of Work : Providing way side facility on Khuddar Khudi Road Km 0/00 to 8/00
(S.H. : Construction of Rain Shelter at Km 7/500 at Khuddi Village)

| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: | | AMOUNT |
|--------|--|-------------|------------------|----------------|---------------|--------|
| | | | | Figures | Rate Words | |
| 1 | Excavation in foundation, trenches etcetera in earth work involving all classification of soil such as pick work, pick jumper work, blasting work, soft or hard rocks including chiseling/wedging out of rocks where blasting work is prohibited or any other mixed variety of intermediate soil, dewatering and removal of slush if arisen during course of construction and lifts upto all heights including stacking the excavated soil not more than three meters clear from the edge of the excavation and then returning the stacked soil in 15 cm (fifteen centimeters) thick layers when required into plinths, sides of foundation etcetera consolidating each deposited layer by ramming and watering and then disposing of all surplus excavation earth within all leads, lifts by any mode of transportation and other incidental, as per the direction and entire satisfaction of Engineer-In-Charge. Any loss to the private and public property during course of construction shall be absolute responsibility of the contractor. | 7.20 | Per cubic metre | | | 99,900 |
| 2 | Providing form work with steel plates of 3.15mm (three decimal one five millimeter) thick, welded with angle iron in frames of 30x30x5mm (thirty into thirty into five millimeter) so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depts of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in foundation. Footings bases of columns and mass concrete. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 3.60 | Per square metre | | | 2,000 |
| 3 | Providing and laying cement concrete 1:6:12 (One cement isto six sand isto twelve aggregate) graded crushed/broken stone aggregate 40mm (forty millimeter) nominal size mechanically mixed and curing complete, excluding cost of form work in foundation and plinth. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 1.22 | Per cubic metre | | | |
| 4 | Providing and laying mechanically mixed and vibrated reinforced cement concrete work grade M-20 design mix to obtain the minimum compressive strength of M-20 N/mm2 with cement contents not less than of 330kg/m3 (three hundred thirty kilogramme per cubic metre) excluding cost of form work and reinforcement level and curing complete including carriage of material within all leads, lifts and other incidental charges complete in all respect as per direction of Engineer-in-Charge. | 0.41 | Per cubic metre | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 5 | Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (one cement : six sand : twelve graded stone aggregate 20mm (twenty) millimeter nominal size mechanical mixed in cement mortar 1:6 (one cement six sand) including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. | 3.67 | Per cubic metre | | | |
| 6 | Second class brick work using common burnt clay building bricks in cement mortar 1:6 (one cement isto six sand) in foundation and plinth as per PWD specification including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. The rate is including octroi, royalty, GST, toll tax, Sale Tax or other taxes imposed by the government. | 2.21 | Per cubic metre | | | |
| 7 | Boulder filling of selected hard dry stone hand packed tightly under floor as per the direction of Engineer-In-Charge including carriage of materials within all leads and lifts complete in all respect. | 0.56 | Per cubic metre | | | |
| 8 | Providing and fixing 0.60mm (zero point six zero millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (twenty) microns over 5 (five) microns primer coating to back coat of polyester 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 14.16 | Per square metre | | | |
| 9 | Providing and fixing ridges or hips 60cm (sixty centimetre) overall with 0.63mm (zero point six three millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyester organic coating of 20 (twenty) microns over 5 (five) microns primer coating plus back coat of polyester of 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted GI limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 10.20 | Per running metre | | | |
| 10 | Providing and fixing MS BP sheet 1.66mm to 2mm (one point six six millimetre to two millimetre) thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-In-Charge (Base members of steel work shall be measured & paid separately) including carriage of materials within all leads, lifts and other incidental charges. | 4.39 | Per square metre | | | |
| 11 | Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position in beams joists channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like work including cutting hoisting fixing in position & applying a priming coat of red lead paint complete including entire carriage of materials within all leads and lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 8.01 | Per quintal | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|---|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 12 | 40mm (forty millimeter) thick cement concrete flooring 1:2:4 (one cement : two sand : four graded/crushed crushed stone aggregate 20mm (twenty millimeter) nominal size) laid in one layer finished with a floating coat of neat cement complete in all respect including curing complete and carriage of materials within all leads and lifts. | 8.10 | Per Cubic metre | | | |
| Total | | | | | | |


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

SCHEDULE OF QUANTITY

Name of Work : Providing way side facility on Baijnath Lad Bharol Kandapattan Road Km 0/00 to 46/00
(S.H. : Construction of Rain Shelter at Km 21/950 Near Chaplu Bridge)

| Sr. No | Description of work | No. or Qty. | Unit | Estimate Cost: | | |
|--------|--|-------------|------------------|----------------|------------|--------------|
| | | | | Figures | Rate Words | AMOUNT Rs. P |
| 1 | Excavation in foundation, trenches etcetera in earth work involving all classification of soil such as pick work, pick jumper work, blasting work, soft or hard rocks including chiseling/wedging out of rocks where blasting work is prohibited or any other mixed variety of intermediate soil, dewatering and removal of slush if arisen during course of construction and lifts upto all heights including stacking the excavated soil not more than three meters clear from the edge of the excavation and then returning the stacked soil in 15 cm (fifteen centimeters) thick layers when required into plinths, sides of foundation etcetera consolidating each deposited layer by ramming and watering and then disposing of all surplus excavation earth within all leads, lifts by any mode of transportation and other incidental, as per the direction and entire satisfaction of Engineer-In-Charge. Any loss to the private and public property during course of construction shall be absolute responsibility of the contractor. | 7.20 | Per cubic metre | | | |
| 2 | Providing form work with steel plates of 3.15mm (three decimal one five millimeter) thick, welded with angle iron in frames of 30x30x5mm (thirty into thirty into five millimeter) so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depts of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in foundation,. Footings bases of columns and mass concrete. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 3.60 | Per square metre | | | |
| 3 | Providing and laying cement concrete 1:6:12 (One cement isto six sand isto twelve aggregate) graded crushed/broken stone aggregate 40mm (forty millimeter) nominal size mechanically mixed and curing complete, excluding cost of form work in foundation and plinth. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 1.22 | Per cubic metre | | | |
| 4 | Providing and laying mechanically mixed and vibrated reinforced cement concrete work grade M-20 design mix to obtain the minimum compressive strength of M-20 N/mm2 with cement contents not less than of 330kg/m3 (three hundred thirty kilogramme per cubic metre) excluding cost of form work and reinforcement for reinforced concrete work in foundation footing, basis of columns and the like mass concrete upto floor all level and curing complete including carriage of material within all leads, lifts and other incidental charges complete in all respect as per direction of Engineer-In-Charge. | 0.41 | Per cubic metre | | | |

Estimate Cost:
Earnest Money:
Time Limit :

Three Month

99,902.00
2,000.00

12

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|-------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 5 | Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (one cement : six sand : twelve graded stone aggregate 20mm (twenty) millimeter nominal size mechanical mixed in cement mortar 1:6 (one cement six sand) including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. | 3.67 | Per cubic metre | | | |
| 6 | Second class brick work using common burnt clay building bricks in cement mortar 1:6 (one cement isto six sand) in foundation and plinth as per PWD specification including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. The rate is including octroi, royalty, GST, toll tax, Sale Tax or other taxes imposed by the government. | 2.21 | Per cubic metre | | | |
| 7 | Boulder filling of selected hard dry stone hand packed tightly under floor as per the direction of Engineer-In-Charge including carriage of materials within all leads and lifts complete in all respect. | 0.56 | Per cubic metre | | | |
| 8 | Providing and fixing 0.60mm (zero point six zero millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (twenty) microns over 5 (five) microns primer coating to back coat of polyester 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 14.16 | Per square metre | | | |
| 9 | Providing and fixing ridges or hips 60cm (sixty centimetre) overall with 0.63mm (zero point six three millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyester organic coating of 20 (twenty) microns over 5 (five) microns primer coating plus back coat of polyester of 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted GI limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 10.20 | Per running metre | | | |
| 10 | Providing and fixing MS BP sheet 1.60mm to 2mm (one point six six millimetre to two millimetre) thick in eaves board/facia/sofits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-In-Charge (Base members of steel work shall be measured & paid separately) including carriage of materials within all leads, lifts and other incidental charges. | 4.39 | Per square metre | | | |
| 11 | Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position in beams joists channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like work including cutting hoisting fixing in position & applying a priming coat of red lead paint complete including entire carriage of materials within all leads and lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 8.01 | Per quintal | | | |

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|---|-------------|-----------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 12 | 40mm (forty millimeter) thick cement concrete flooring 1:2:4 (one cement : two sand : four graded/crushed crushed stone aggregate 20mm (twenty millimeter) nominal size) laid in one layer finished with a floating coat of neat cement complete in all respect including curing complete and carriage of materials within all leads and lifts. | 8.10 | Per Cubic metre | | | |
| Total | | | | | | |


 Executive Engineer
 B & R Division HP, P.W.D.,
 Jodhpur Nagar

SCHEDULE OF QUANTITY


Name of Work : Providing way side facility on Sandapattan -Bharol -Bagoda -Bagla -Hard -Ropri- Kolang - Triambi - Basahi- Drubbal- Charonj- Banwar- Kun ka Tar- Kun- Mandokhar- Bhargoan - koti Road Km 0/00 to 85/00
(S.H. : Construction of Rain Shelter at Km 3/00 at Village Ghatour)

Estimate Cost: 99,902.00
Earnest Money: 2,000.00
Time Limit : Three Months

| Sr. No | Description of work | No. or Qty. | Unit | Rate | | AMOUNT Rs. P |
|--------|--|-------------|------------------|---------|-------|-----------------|
| | | | | Figures | Words | |
| 1 | Excavation in foundation, trenches etcetera in earth work involving all classification of soil such as pick work, pick jumper work, blasting work, soft or hard rocks including chiseling/wedging out of rocks where blasting work is prohibited or any other mixed variety of intermediate soil, dewatering and removal of slush if arisen during course of construction and lifts upto all heights including stacking the excavated soil not more than three meters clear from the edge of the excavation and then returning the stacked soil in 15 cm (fifteen centimeters) thick layers when required into plinths, sides of foundation etcetera consolidating each deposited layer by ramming and watering and then disposing of all surplus excavation earth within all leads, lifts by any mode of transportation and other incidental, as per the direction and entire satisfaction of Engineer-In-Charge. Any loss to the private and public property during course of construction shall be absolute responsibility of the contractor. | 7.20 | Per cubic metre | | | |
| 2 | Providing form work with steel plates of 3.15mm (three decimal one five millimeter) thick, welded with angle iron in frames of 30x30x5mm (thirty into thirty into five millimeter) so as to give a fair finish including centring, shuttering strutting and propping etc. with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in foundation,. Footings bases of columns and mass concrete. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 3.60 | Per square metre | | | |
| 3 | Providing and laying cement concrete 1:6:12 (One cement isto six sand isto twelve aggregate) graded crushed/broken stone aggregate 40mm (forty millimeter) nominal size mechanically mixed and curing complete, excluding cost of form work in foundation and plinth. The rates are inclusive cost and carriage of materials with in all leads, lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 1.22 | Per cubic metre | | | |
| 4 | Providing and laying mechanically mixed and vibrated reinforced cement concrete work grade M-20 design mix to obtain the minimum compressive strength of M-20 N/mm2 with cement contents not less than of 330kg/m3 (three hundred thirty kilogramme per cubic metre) excluding cost of form work and reinforcement for reinforced concrete work in foundation footing, basis of columns and the like mass concrete upto floor all level and curing complete including carriage of material within all leads, lifts and other incidental charges complete in all respect as per direction of Engineer-in-Charge. | 0.41 | Per cubic metre | | | |

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| 5 | Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (one cement : six sand : twelve graded stone aggregate 20mm (twenty) millimeter nominal size mechanical mixed in cement mortar 1:6 (one cement six sand) including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. | 3.67 | Per cubic metre | | | |
| 6 | Second class brick work using common burnt clay building bricks in cement mortar 1:6 (one cement isto six sand) in foundation and plinth as per PWD specification including curring and carriage of material within all leads and lifts complete in all respect as per direction of Engineer in Charge. The rate is including octroi, royalty, GST, toll tax, Sale Tax or other taxes imposed by the government. | 2.21 | Per cubic metre | | | |
| 7 | Boulder filling of selected hard dry stone hand packed tightly under floor as per the direction of Engineer-In-Charge including carriage of materials within all leads and lifts complete in all respect. | 0.56 | Per cubic metre | | | |
| 8 | Providing and fixing 0.60mm (zero point six zero millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (twenty) microns over 5 (five) microns primer coating to back coat of polyester 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted limpet and rubber washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 14.16 | Per square metre | | | |
| 9 | Providing and fixing ridges or hips 60cm (sixty centimetre) overall with 0.63mm (zero point six three millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyester organic coating of 20 (twenty) microns over 5 (five) microns primer coating plus back coat of polyester of 5 (five) microns over 5 (five) microns primer coating including fixing with screws prepainted iron J or L hooks, bolts and nuts 6mm (six millimetre) diameter with prepainted GI limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-In-Charge including carriage of material within all leads and lifts complete in all respect. | 10.20 | Per running metre | | | |
| 10 | Providing and fixing MS BP sheet 1.66mm to 2mm (one point six six millimetre to two millimetre) thick in eaves board/facia/sofits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-In-Charge (Base members of steel work shall be measured & paid separately) including carriage of materials within all leads, lifts and other incidental charges. | 4.39 | Per square metre | | | |
| 11 | Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position in beams, joists, channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purflins connected to common rafters and the like work including cutting, hoisting, fixing in position & applying a priming coat of red lead paint complete including entire carriage of materials within all leads and lifts and other incidentals, as per the direction and entire satisfaction of Engineer-In-Charge. | 8.01 | Per quintal | | | |

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| 12 | 40mm (forty millimeter) thick cement concrete flooring 1:2:4 (one cement : two sand : four graded/crushed crushed stone aggregate 20mm (twenty millimeter) nominal size) laid in one layer finished with a floating coat of neat cement complete in all respect including curing complete and carriage of materials within all leads and lifts. | 8.10 | Per Cubic metre | | | |
| Total | | | | | | |


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