

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

***** Notice Inviting Tender *****

Sealed item rate tender on form No. 6 & 8 are hereby invited by the Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan on behalf of Governor of Himachal Pradesh for the following work from the approved and eligible contractors enlisted in HP PWD (B & R) whose registration stood renewed as per revised rules so as to reach in his office on or before on **14.02.2022 up to 11:00 A.M.** And the same shall be opened on the same day at **11:30 A.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **11.02.2022 up to 4:00 P.M** and the application for issue of tender form shall be received on **10.02.2022 up to 12:00 noon.** The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

The conditional tender and the tender received without earnest money will summarily be rejected. The offer of the tender shall be kept open for 120 days.

| Sr. No. | Name of work | Estimated Cost | Earnest Money | Time limit |
|---------|--|----------------|---------------|--------------|
| 1 | Link road from KCC Bank Danoa to Samyal Basti in Distt Kangra (HP) (SH:-Providing and laying Cement concrete pavement at RD 0/000 to 0/080). | Rs 264325/- | Rs 5300/- | Two months |
| 2 | Link road from Radh to Panjlehar in Distt Kangra (HP) (Sh:-Providing and laying cement concrete pavement at RD 0/500 to 0/650 (Deposit work) | Rs 499887/- | Rs 10000/- | Two months |
| 3 | Special repair of Govt. Civil Hospital Building at Nagrota Bagwan in Distt Kangra (HP) (SH:-Restoration of wall slab of damaged portion). | Rs 499722/- | Rs 10000/- | Three months |
| 4 | Link road from Baroh Bus Stand to village Kamloti in Distt Kangra (HP) (SH:-Construction of 900mm dia Hume pipe culvert alongwith wing wall at RD0/750, 0/910 & 1/250). | Rs 499875/- | Rs 10000/- | Three months |
| 5 | Construction of link road to village Ghumarda in Distt Kangra HP (SH:-Providing and laying cement concrete pavement in various reaches). | Rs 132162/- | Rs 2650/- | Two months |
| 6 | A/R & M/O on Kufri Patiyalkar road In Km 0/000 to 5/300 in Distt Kangra (HP) (SH:-Construction of retaining walls at RD 0/230 to 0/243 Ht. 2.44 mtrs L/S | Rs 143371/- | Rs 2900/- | Three months |
| 7 | A/R & M/O on Kufri Patiyalkar road Km 0/000 to 5/400 in Distt Kangra (HP) (SH:-Construction of U shape drain at Rd 1/850 to 2/015) (RHS) | Rs 265376/- | Rs 5300/- | Two months |
| 8 | Link road from village Jhamaca to Than in Distt Kangra (HP) (SH:-Construction of 900mm dia Hume pipe culvert alongwith wall at RD 0/225). | Rs 445812/- | Rs 8950/- | Three months |
| 9 | Construction of link road to village Kamloti Km 0/000 to 0/300 in Distt Kangra (HP) (SH;-Balance work of breast wall at RD 0/045 to 0/080). | Rs 498557/- | Rs 10000/- | Three months |
| 10. | A/R & M/O on Charjan-Di-Dehri Khabbal Kholi road Km 0/000 to 4/600 Bushal Nariyalkar Sippanpat road Km 0/000 to 4/425 and Baroh Temple to Kharat Bush cutting maintenance of earthen shoulders drain C/O & main of road side katcha drain etc; in various RD's). | Rs 153354/- | Rs 3100/- | Two months |
| 11. | A/R & M/O on Rounkhar to Bheru road Km 0/000 to 1/500 in Distt Kangra (HP) (SH:-C/O 1.60 mtr span culvert with grating at Rd's 0/300, 0/960 & 0/700). | Rs 455589/- | Rs 9150/- | Three months |

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|----|--|----------------|---------------|--------------|
| 12 | Construction of link road Barohbar to Manimahes Temple in Distt Kangra (HP) (SH:-Improvement of road width by providing retaining walls at RD 0/700 to 0/710 and P/L cement concrete pavement road in Km 0/700 to 0/780 (Deposit work) | Rs 388714/- | Rs 7800/- | Three months |
| 13 | Construction of link road to village Bari-Da-Lahar in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement at RD 0/500 to 0/650). | Rs 495644/- | Rs 10000/- | Two months |
| 14 | Construction of link road to village Telkar in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement at RD 0/070 to 0/140). | Rs 231320/- | Rs 4650/- | Two months |
| 15 | Link road from Lilly Amtrar Mundla in Distt Kangra (HP) (SH:-Construction of U-Shape drain at RD 0/000 to 0/650). | Rs 499937/- | Rs 10000/- | Three months |

1. The contractor/firm should be registered as or dealer GST No.
2. The intending contractor / firm have to produce the copy of latest enlistment and renewal enlisted in HPPWD.
3. If any of the date mentioned above happened to be Gazetted Holidays the same shall be processed on next working day.
4. The Executive Engineer reserve s the right to accept/reject any tender/application or all tenders without assigning any reason.
5. The Contractor will have to submit affidavit along with application for issue of tender that he has not more than two works in hand.
6. Next tender will be issued only after completion of previous works in hand.

HIMSUCHANA AVAM & JAN SAMPARK

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

(On behalf of Governor of Himachal Pradesh)

No.PW/NBD/Tender/2021/

13538-67

Dated/ 31-1-2022

Copy to the following for information and necessary action:-

1. The Principal Secy. (PW) to the Govt. of H.P. Shimla.
2. The Engineer-in-Chief, HPPWD, Shimla.
3. The Chief Engineer (KZ), HPPWD, Dharamshala.
4. The Director, Information & Publications Department, H.P. Shimla
5. The Superintending Engineer, 5th Circle, HPPWD, Palampur.
6. The Principal, Dr. RPGMC, Tanda.
7. The Executive Engineer (IT), Nigam Vihar Shimla 2 for information. He is requested to upload the same on the departmental website.
8. The Deputy Commissioner, Kangra at Dharamshala.
9. All the S.E.s/E.E.s under North Zone.
10. The Sub-Divisional Officer (C) Nagrota Bagwan.
11. The Block Development Office Nagrota Bagwan
12. All the Assistant Engineer under this Division.
13. The Drawing /Accounts Branch in this office.
14. The Contractors concerned.
15. Notice Board.

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

Schedule of Quantity

ESTIMATED COST: - Rs. 264325.00
 EARNEST MONEY: - Rs. 5300.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Link road from KCC Bank Danoa to Samyal Basti in Distt Kangra (HP).
SUB HEAD :- Providing and laying Cement Concrete Pavement at RD 0/000 to 0/080

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|--|-----------------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental. | 18.90 Cubic metres | | | Per Cubic metres | |
| 2 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 37.80 Cubic meters | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
 HP PWD Division,
 Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: - Rs. 499887.00
EARNEST MONEY: - Rs. 10000.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Link road from Radh to Panjlehar in Distt Kangra (HP).
SUB HEAD :- Providing and laying Cement Concrete Pavement at RD 0/500 to 0/650 (Deposit work).

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------|---|--------------------------|--------|----------|-----------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 83.61 Cubic meters | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
HP PWD Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity


ESTIMATED COST: - ₹ 499722.00
EARNST MONEY: - ₹ 10000.00
TIME LIMIT: - THREE MONTHS

NAME OF WORK :- Special repair of Govt. Civil Hospital Building at Nagrota Bagwan in Distt Kangra (HP)

SUB-HEAD :- Retrofitting of wall slab of damaged portion.

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|--------|---|-------------------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Providing, fixing and removal of scaffolding at site as requirement with all safety norms, scaffolding using MS pipes and couplers for accessing all the surfaces of the floor beams underside and slab soffits from inside. The pipe size should not be less than 40 NB medium (B-class). The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 177.90 Square metres | | | Per square metre | |
| 2 | Supply and apply a stitched, one directional, high strength CFRP fabric SILWRAP BIDIRECTIONAL (CF) in single layer over walls as per manufacturer specification including thixotropic epoxy based impregnating resin / adhesive Silwrap 510 including the primer silwrap 30 for low density fabric for base and top coat. CFRP product used shall have minimum requirements: tensile strength (nominal) = 4000 Mpa; tensile E - modulus = 240 Gpa; elongation at break (nominal): 1.7%; fabric design thickness = 0.131 mm. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 80.00 Square metres | | | Per square metre | |
| 3 | Bond Coat: Supply and apply Sika Latex as a bonding agent in the ratio of 1:2 (Latex:Cement) The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 116.00 Square metres | | | Per square metre | |
| 4 | Site Mixed PMM Treatment: Providing, mixing and applying polymer modified cement mortar in layers, each layer not exceeding 20 mm thick, upto 25 mm thick. Including towelling and wooden tools etc. Polymers like Nitobond AR of Fosroc or equivalent shall be mixed in proportion of 1:5:15 (Polymer:Cement:River sand) The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 116.00 Square metres | | | Per square metre | |
| 5 | Covering the plaster using UV stable two component PU coating Sikagard PU UR. The coating shall be applied in three coats with first coat shall work as primer complete The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 130.00 Square meters | | | Per square metre | |
| 6 | Supplying and applying of non-shrink cement micro concrete with addition of 50% aggregate Supply and apply a ready to use non shrink, cementitious free flow microconcrete Product: SikaRep Microcrete-4/Equivalent Yield: Approx 17ltr/bag(30kg) Product requirements: Compressive strength>45 N/mm2(28 days) according to ASTM C 1107-99 Thickness=100mm complete The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 1.00 Cubic metre | | | Per cubic metre | |
| 7 | Supply and apply a pre-batched one component polymer modified cementitious patch mortar for a thickness of 15 mm or as directed by EIC, Product: SIKATOP-122 HS, Yield: approx. 0.84ltr/kg, system requirements: compressive strength>=50N/mm2 (28days) according to ASTM C 109; Flexural strength>=3N/mm2(7days) according to ASTM C 293-79. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 146.00 Square meters | | | Per square metre | |
| 8 | Providing, mixing and applying of epoxy resin concrete: Providing, mixing & applying two component epoxy resin concrete bonding coat on prepared Rcc surfaces as per manufacture specification including preparation of surface by chipping and thoroughly cleaning of surface complete wherever required. Product: Sikadur 32 LP. Consumption:0.4kg/m2. Product requirements: Complies with ASTM C 881 Type II. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 116.00 Square metres | | | Per square metre | |

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|----------|--|------------------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 9 | Chipping of Plaster/Concrete Upto cover: Chipping of plaster/concrete upto cover only for making better bonding in between old and new concrete including tapering all edges upto 25mm thickness. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 16.00 Square meters | | | Per square metre | |
| 10 | Supply and apply of rustremover cum passivator to remove rust from existing reinforcement, Product: SikaRustoff 100, Consumption: 0.2kg/m2/coat, Density: 1.01 kg/l at 30 deg celcius. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 5.00 Kilograms | | | Per kilogram | |
| 11 | Supply and apply a cement based polymer modified rebar corrosion protection system to existing reinforcement Product: SikaTop Armatec 108, Product requirements: Carbonation resistance: 2mm of SikaTop Armatec 108 corresponds to 20mm of normal mortar ; bond strength> 1N/mm2 according to ASTM C 88-278 complete. The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 30.00 Kilograms | | | Per kilogram | |
| 12 | Providing and fixing of Extra L-type or U-sahpe shear rebar connector 8mm Providing extra rebar with Hilti/Fischer/Sika Anchor fix chemical including power drilling ,cleaning of holes, then rebars should be inserted in holes that should be filled with epoxy to ensure the bond and straightning, cutting , bending, placing in position, binding with GI wire of 18 gauge. Complete in all respects NOS 102 120 12240 6 P & F of Extra rebar 10mm dia*100mm depth horizontally(+): The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 60 Numbers | | | Each | |
| 13 | Providing and fixing of Extra rebar 10mm dia*100mm depth horizontally(+): Providing extra rebar with Hilti/Fischer/Sika Anchor Fix chemical including power drilling ,cleaning of holes, then rebars should be inserted in holes that should be filled with epoxy to ensure the bond and straightning, cutting , bending, placing in position, binding with GI wire of 18 gauge. Complete in all respects The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 105.00 Numbers | | | Each | |
| 14 | Providing extra reinforcement with TMT bars as per site design requirement including straightning, cutting, bending, placing in position, binding with G.i. wire of 18 gauge etc. complete in all respects. Additional reinforcement with adequate lap length & rings at required spacing shall be tied with existing reinforcement using binding wire or welded complete as per site requirements and direction of EIC., The rates is including sale tax GST or any other taxes imposed by the government and i/c carriage of materials within all leads and lifts and other incidentals | 200.00 Kilograms | | | Per kilogram | |
| TOTAL :- | | | | | | |


 Executive Engineer,
 H.P.P.W.D. Division,
 Panda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: -

₹ 499875.00

EARNEST MONEY: -

₹ 10000.00

TIME LIMIT: -

THREE MONTHS

NAME OF WORK:-

Link road from Baroh Baus stand to village Kamloti in Distt. Kangra (H.P.).

SUB-HEAD :-

Construction of 900mm dia Hume Pipe culvert alongwith wing walls at RD's 0/750, 0/910 & 1/250.

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|--------|--|------------------------|--------|----------|-------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals. | 125.71 Cubic meters | | | Per cubic metre | |
| 2 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:3:6 (One Cement : Three coarse sand): Six graded stone aggregate 40 mm (Forty millimetre) nominal size) complete etc as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 6.40 Cubic meters | | | Per cubic metre | |
| 3 | Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, including the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability M-15 (M-Fifteen) grade plain cement concrete (cement content considered @ 240 kg/cum) as per direction of the Engineer- in-charge including entire carriage of materials within all leads and lifts and other incidentals. | 23.64 Cubic meters | | | Per cubic metre | |
| 4 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 45.60 Cubic metres | | | Per cubic metre | |
| 5 | Providing and laying non-pressure NP2 class Reinforced Cement Concrete hume pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 12.50 Running metre | | | Per running metre | |

| | | | | | | |
|-----------------|--|-----------------------|--|--|-----------------|--|
| 6 | Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm (One hundred millimetre) dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as per drawing and HP.PWD technical specifications, and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 24 Numbers | | | Each | |
| 7 | Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 20.16 Cubic metres | | | Per cubic metre | |
| 8 | Filling with available fly ash and earth (Excluding rock) trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing including entire carriage of materials within all leads and lifts and other incidentals. | 12.45 Cubic metres | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST:- Rs. 132162.00

EARNEST MONEY:- Rs. 2650.00

TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road to village Ghumarda in Distt Kangra (HP).**SUB HEAD :- Providing and laying Cement Concrete Pavement in various reaches.**

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|---|-----------------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two milimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental. | 9.45 Cubic metres | | | Per Cubic metres | |
| 2 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 18.90 Cubic meters | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
HP PWD Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: - Rs. 143371.00
EARNEST MONEY: - Rs. 2900.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- A/R & M/O on Kufri Patiyalkar road in Km 0/000 to 5/300 in Distt. Kangra (H.P.)
SUB HEAD :- Construction of retaining walls at RD 0/230 to 0/243 Ht. 2.44 mtrs L/S

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|----------|---|-----------------------|---------|----------|-----------------|--------|
| | | | In fig. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm 9Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals. | 13.85 Cubic meters | | | 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 with cement concrete 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 29.19 Cubic metres | | | Per cubic metre | |
| 3 | Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 11 Numbers | | | Each | |
| 4 | Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 9.42 Cubic metres | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagroa Bagwan.

Schedule of Quantity

ESTIMATED COST: - ₹ 265376.00
EARNEST MONEY: - ₹ 5300.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- A/R & M/O on Kufri Patiyalkar road Km 0/000 to 5/400 in Distt. Kangra (H.P.).
SUB-HEAD :- Construction of U-Shape drain at RD 1/850 to 2/015 (RHS)

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|---|--------------------------|---------|----------|-----------------------|--------|
| | | | In fig. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm 9Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals. | 81.68 Cubic meters | | | Per cubic metre | |
| 3 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 44.55 Cubic metres | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST :-

₹ 445812.00

EARNEST MONEY :-

₹ 8950.00

TIME LIMIT :-

THREE MONTHS

NAME OF WORK :- Link road from village Jhamaca to Than in Distt. Kangra (H.P.).

SUB-HEAD :- Construction of 900mm dia Hume Pipe culvert alongwith wing wall at RD 0/225

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|--------|--|-----------------------|--------|----------|-------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals. | 68.13 Cubic meters | | | Per cubic metre | |
| 2 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:3:6 (One Cement : Three coarse sand): Six graded stone aggregate 40 mm (Forty millimetre) nominal size) complete etc as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 2.80 Cubic meters | | | Per cubic metre | |
| 3 | Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability M-15 (M-Fifteen) grade plain cement concrete (cement content considered @ 240 kg/cum) as per direction of the Engineer- in-charge including entire carriage of materials within all leads and lifts and other incidentals. | 12.16 Cubic meters | | | Per cubic metre | |
| 4 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 63.00 Cubic metres | | | Per cubic metre | |
| 5 | Providing and laying non-pressure NP2 class Reinforced Cement Concrete hume pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 5.00 Running metre | | | Per running metre | |

| | | | | | | |
|-----------------|--|-----------------------|--|--|-----------------|--|
| 6 | Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm (One hundred millimetre) dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as per drawing and HP.PWD technical specifications, and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 20 Numbers | | | Each | |
| 7 | Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 21.71 Cubic metres | | | Per cubic metre | |
| 8 | Filling with available fly ash and earth (Excluding rock) trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing including entire carriage of materials within all leads and lifts and other incidentals. | 4.14 Cubic metres | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: - Rs. 498557.00
EARNEST MONEY: - Rs. 10000.00
TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Construction of link road to village Kamlota Km 0/000 to 0/300 in Distt. Kangra (H.P.).
SUB-HEAD :- Balance work of breast wall at RD 0/045 to 0/080.

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|--|------------------------|---------|----------|-----------------|--------|
| | | | In fig. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals. | 45.60 Cubic meters | | | 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 with cement concrete 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 222.62 Cubic metres | | | Per cubic metre | |
| 4 | Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 66 Numbers | | | Each | |
| 5 | Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 32.30 Cubic metres | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagra Bagwan.

Schedule of Quantity

ESTIMATED COST: - ₹ 153354.00
EARNEST MONEY :- ₹ 3100.00
TIME LIMIT : TWO MONTHS

NAME OF WORK:- A/R & M/O on Charjan-Di-Dehri Kahabbal Kholi road Km 0/000 to 4/600, Bushal Nariyalkar Sippanpat road Km 0/000 to 4/425 and Baroh Temple to Kharat
SUB-HEAD :- Bush cutting, maintenance of earthen shoulders drain, C/O & Maint. Of road side Katcha drain etc; in various RD's

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|---|---------------------------|--------|----------|-------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | | 4 | 5 | 6 | 7 |
| 1 | Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm.measured at a height of 1 metre above ground and removal of rubbish upto any lead outside the periphery of the area cleared as directed by the Engineer-in-Charge including entire carriage of materials within all leads, lifts and other incidentals. | 16320.00 Square meters | | | Per square metre | |
| 2 | Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto any lead (Maintenance of Earthen shoulder (filling with fresh selected soil) as per technical specification Clause 1903, as directed by the Engineer-in-Charge including entire carriage of materials within all leads, lifts and other incidentals. | 2700.00 Square meters | | | Per square metre | |
| 3 | Construction of unlined surface drain of average cross-sectional area 0.4 sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and Technical Specification Clause 307. Excavated material to be used in embankment at site complete, including entire carriage of materials within all leads, lifts and other incidentals.. | 680.00 Running meters | | | Per running metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
HP PWD Division,
Tanda at Nagota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 455589.00
 EARNEST MONEY: - ₹ 9150.00
 TIME LIMIT: - THREE MONTHS

NAME OF A/R & M/O on Rounkhar to Bheru road Km 0/000 to 1/500 in Distt. Kangra (H.P).
SUB-HEAD :- C/O 1.60 mtr span culvert with grating at RD's 0/300, 0/960 & 0/700

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|----------|---|--------------|--------|----------|-----------------|--------|
| | | | In fig | In 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 a lead of 50m (fifty meters), dressing of sides and bottom and backfilling in trenches with excavated suitable material including entire carriage of materials within all leads, lifts and other incidentals.. | 25.42 | 4 | 5 | 6 | 7 |
| | | Cubic metres | | | Per cubic metre | |
| 2 | Providing and laying cement concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in cement mortar 1:3:6 (One cement: Three sand: Six graded broken/crushed stone aggregate 40mm (Forty millimeters) nominal size as per HPPWD technical specification and within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge. | 8.94 | | | Per cubic metre | |
| | | Cubic meters | | | | |
| 3 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 with 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) nominal size as per drawing and HP.PWD technical specifications including entire carriage of materials within all leads, lifts and other incidentals.. | 45.20 | | | Per cubic metre | |
| | | Cubic meters | | | | |
| 4 | Steel work welded in built up sections trusses and framed work, including cutting, fixing, lifting, hoisting and; placing in position complete and applying a coat of red lead paint in gratings framed gaurds, bars, ladders, railing, brackets and similar work including entire carriage of materials within all leads, lifts and other incidentals..ads, lifts of materials and other incidentals. | 35.85 | | | Per quintal | |
| | | Quintals | | | | |
| TOTAL :- | | | | | | |

Executive Engineer,
 HP PWD Division,
 Tanda at Nagrota Bagwan.

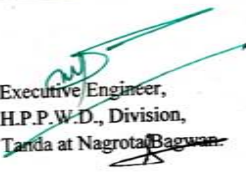
Schedule of Quantity

ESTIMATED COST: - Rs. 388714.00
EARNEST MONEY: - Rs. 7800.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road Barohbar to Manimahesh Temple in Distt. Kangra (H.P.)
SUB HEAD :- Improvement of road width by providing retaining walls at RD 0/700 to 0/710 and P/L cement concrete pavement road in Km 0/700 to 0/780 (Depsit work)

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|--------|--|-----------------------|---------|----------|------------------|--------|
| | | | In fig. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals. | 11.15 Cubic metres | | | 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 with cement concrete 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 24.20 Cubic metres | | | Per cubic metre | |
| 3 | Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 8 Numbers | | | Each | |
| 4 | Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 8.79 Cubic metres | | | Per cubic metre | |
| 5 | Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental. | 18.87 Cubic metres | | | Per Cubic metres | |

| | | | | | | |
|-----------------|---|--------------------------|--|--|-----------------------|--|
| 6 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 37.80 Cubic meters | | | Per cubic metre | |
| TOTAL :- | | | | | | |


 Executive Engineer,
 H.P.P.W.D., Division,
 Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST :- Rs. 495644.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road to village Bari-Da-Lahar in Distt Kangra (HP).

SUB HEAD :- Providing and laying Cement Concrete Pavement at RD 0/500 to 0/650

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|---|--------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| | | 3 | 4 | 5 | 6 | 7 |
| 1 | 2 | 35.44 | | | Per Cubic metres | |
| 1 | Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two milimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental. | Cubic metres | | | | |
| 2 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 70.88 | | | Per cubic metre | |
| | | Cubic meters | | | | |
| TOTAL :- | | | | | | |

Executive Engineer,
 HP PWD Division,
 Tanda at Nagera Bagwan.

Schedule of Quantity

ESTIMATED COST: - Rs. 231320.00
EARNEST MONEY: - Rs. 4650.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road to village Telkar in Distt Kangra (HP).
SUB HEAD :- Providing and laying Cement Concrete Pavement at RD 0/070 to 0/140

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|-----------------|---|-----------------------|--------|----------|------------------|--------|
| | | | In fig | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming. stone screening type-A of size 13.2mm (thirteen point two milimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental. | 16.54 Cubic metres | | | Per Cubic metres | |
| 2 | Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. | 33.08 Cubic meters | | | Per cubic metre | |
| TOTAL :- | | | | | | |

Executive Engineer,
HP PWD Division,
Tanda at Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 499937.00
EARNEST MONEY: - Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Link road from Lilly Amtrar Mundla in Distt. Kangra (H.P.).
SUB-HEAD :- Construction of U-Shape drain at RD 0/000 to 0/650

| S. No. | Description of items | Quantity | Rate | | Unit | Amount |
|---------|---|------------------------|---------|----------|-----------------|--------|
| | | | In fig. | In words | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals. | 140.20 Cubic meters | | | Per cubic metre | |
| 2 | Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. | 88.77 Cubic metres | | | Per cubic metre | |
| TOTAL:- | | | | | | |

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan