

**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 **21.03.2022** 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 **19.03.2022** up to **4:00 P.M** and the application for issue of tender form shall be received on **17.03.2021** 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	A/R & M/O on link road from Nagrota Bagwan to Lanbru Basti in G.P. Kawari in Distt Kangra (HP) (SH:-Providing and laying interlocking paver block and C/O road side drain)	Rs 499546/-	10000/-	Three months
2	A/R & M/O Yol Rajiana 53 Miles road in Distt Kangra (HP)(SH:-C/O U-shape drain at RD 0/865 to 1/075).	Rs 185797/-	3750/-	Two months
3	A/R M/O of Non-Residential Building at Nagrota Bagwan in Distt Kangra (HP)(SH:-Repair of prelaminated board plastering work and other civil work etc;	Rs 497866/-	10000/-	One month
4	Annual repair and maintenance of Non-Residential building under HP PW Division Tanda at Nagrota Bagwan in Distt Kangra (HP) (SH:-Providing and fixing blinds).	Rs 235538/-	4750/-	One month
5	Periodic maintenance of Kaisthwari to Guru Ka Tiala road (HP 0408VR225) under AMP (Village road) for the year 2022-23 in Distt Kangra (HP) (SH:-Providing and laying Bituminous concrete pavement at Km 0/000 to 0/500).	Rs 499947/-	10000/-	One month
6	Periodic maintenance of Kaisthwari to Guru Ka Tiala road (HP 0408VR225) under AMP (Village road) for the year 2022-23 in Distt Kangra (HP) (SH:-Providing and laying Bituminous concrete pavement at Km 0/500 to 1/000).	Rs 499947/-	10000/-	One month
7	Providing and way side facilities on Nagrota Chahri Pathiar road in Distt (HP) Deposit work (SH:-Construction of rain shelter at RD 0/000).	Rs 350233/-	7050/-	Three months
8	Construction of Toru Wah Chaprehar road KM 0/000 to 5/000 in Distt Kangra (HP) (SH:-Formation cutting in Km 3/000 to 4/000).	Rs 499524/-	10000/-	Three months
9.	Construction of Toru Wah Chaprehar Km 0/000 to 5/000 in Distt Kangra (HP) (SH:-Formation cutting in Km 4/000 to 5/000).	Rs 499524/-	10000/-	Three months
10.	Construction of Play Ground of Govt. Degree College at Nagrota Bagwan in Distt Kangra (HP) (SH:-Supplying, Stacking and levelling good earth).	Rs 156102/-	3150/-	One month
11.	Annual repair & Maintenance of Non-Residential Buildings under HP PWD Division Tanda at Nagrota Bagwan in Distt Kangra (HP) (SH:-Providing and installation of Networking system).	396740/-	7950/-	One month
12.	A/R & M/O various roads under HP PWD Sub-Division Baroh in Distt Kangra (HP) Kandi Section (SH:-Repair of pot holes)	499833/-	10000/-	One month

13.	A/R & M/O various roads under HP PWD Sub-Division Baroh in Distt Kangra (HP) Baroh Section (SH:-Repair of pot holes)	499833/-	10000/-	One month
14.	A/R & M/O various roads under HP PWD Sub-Division Baroh in Distt Kangra (HP) Radh Section (SH:-Repair of pot Holes)	499833/-	10000/-	One month

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/2022/ 15737-67

Dated/ 05.03.2022

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. 499546.00
EARNEST MONEY : - Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- A/R & M/O om link road from Nagrota Baldhar to Lambru Basti in G.P. Kawari in Distt Kangra (HP)

SUB-HEAD :- ***Providing and laying interlocking paver block and C/O road side drain***

S. No.	Description of items	Quantity	Rate		Unit	Amount
			<i>In fig.</i>	<i>In words</i>		
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.	18.15 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.	24.15 Cubic metres			Per cubic metre	
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 PCC Grade (M-20) (M-twenty) nominal mix 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, and as per directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	7.59 Cubic metres			Per cubic metre	
4	Providing and laying concrete for plain/reinforced concrete 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 20mm(Twenty millimeters) nominal size in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 and 1203 PCC grade M-10 (M-ten) as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	5.36 Cubic meters			Per cubic metre	
5	Steel work welded in built up sections,trusses and framed work, including cutting , hoisting ,fixing in position and applying a priming coat of red lead paint in 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 likeincluding entire carriage of materials within all leads, lifts and other incidentals	9.02 Quintals			Per quintal	
6	Providing and Laying 80mm (Eighty milimetres) Interlocking Concrete Block Pavements having thickness as per drawings and Technical Specification Clause 1504 including 4mm thick (Four millimetres) thick levelling course of sand and locking with cement concrete M-30 (M-Thirty) complete and as per IRC SP-63-2004 & IS 15658 as per the instructions of the Engineer-Incharge within all leads, lifts of materials and other incidentals.	580.00 Square metres			Per Square metre	
TOTAL: -						

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


SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 185797.00
EARNEST MONEY : - Rs. 3750.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- A/R & M/O Yol Rajiana 53 miles road in Distt. Kangra (H.P.)

SUB-HEAD :- C/O U-shape drain at RD 0/865 to 1/075

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.	157.50 Cubic meters			Per cubic metre	
2	Providing and laying 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 20mm(Twenty millimeters) nominal size concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 800, 803, 1202 and 1203 PCC grade M-10 (M-ten) including entire carriage of materials within all leads and lifts and other incidentals.	56.10 Cubic meters			Per cubic metre	
TOTAL: -						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :-
EARNEST MONEY :-
TIME LIMIT :-

₹ 497866.00
₹ 10000.00
ONE MONTH

NAME OF WORK :- A/R & M/O of Non-Residential Building at Nagrota Bagwan in Distt. Kangra (H.P).

SUB-HEAD :- *Repair of prelaminated board, plastering work and other civil work etc:*

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.	300.00 Cubic meters			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 20mm(Twenty millimeters) nominal size in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 and 1203 PCC grade M-10 (M-ten) as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	113.85 Cubic meters			Per cubic metre	
3	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surfaces (two coats)to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered material including entire carriage of materials within all leads, lifts and other incidentals.	400.00 Square metres			Per square metre	
4	Providing and fixing 19mm (Nineteen millimetre) thick Commercial Board water proof shutters for up boards including fixing with nickel plated piano hinges with screws etc complete) including carriage of material within all leads, lifts and other incidentals, as per approved drawing, design and as directed by the Engineer-Incharge.	50.00 Square metres			Per square metre	
5	Providing and fixing 6mm (Six millimetre) commercial ply wood ceiling of approved quality with butt jointing and nails (frame work and cover fillets to be paid for separately) including carriage of material within all leads, lifts and other incidentals, as per approved drawing, design and as directed by the Engineer-Incharge.	50.00 Square metres			Per square metre	
6	15mm (Fifteen millimetres) thick cement plaster in single coat on rough side of brick/concrete/stone walls for interior plastering upto all floor levels including arises internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth with cement mortar 1:6 (One cement: six sand) complete including entire carriage of materials as per directed by the Engineer-in-charge.	150.00 Square metres			Per square metre	
7	Providing and fixing hydraulic door closer single acting complete as directed by the Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	20 Numbers			Each	
8	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Double strip (horizontal type) including necessary fitting complete as directed by the Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	50 Numbers			Each	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: -

EARNEST MONEY: -

TIME LIMIT :

₹ 235538.00

₹ 4750.00

ONE MONTH

NAME OF WORK :- Annual repair and maintenance of Non-Residential Buildings under HPPWD Division, Tanda at Nagrota Bagwan in Distt. Kangra (HP).

SUB-HEAD :- Providing and fixing Blinds.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing roller blinds with necessary fitting complete in all respect, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	67.43 Square metres			Per square metre	
2	Providing and fixing zebra blinds with pelmet including necessary fitting complete in all respect, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	14.75 Square metres			Per square metre	
3	Providing and fixing roller blinds PVC blackout fabric with pelmet including necessary fitting complete in all respect, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	35.21 Square metres			Per square metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 499947.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT ONE MONTH

NAME OF WORK:- Periodic maintenance of Kaisthwari to Guru Ka Tiala road (HP0408VR225) under AMP (Village Road) for the year 2022-23 in Distt Kangra (HP).

SUB-HEAD :- Providing and laying Bituminous Concrete pavement at Km 0/000 to 0/500

Sl. No.	Description of work	Quantity		RATES In		Unit	Amount
				Fig	Word		
1	Providing, laying and rolling of built-up spray grout layer over prepared base consisting of a one layer composite construction of crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the single layer to serve as a base, conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm (Seventy five millimetre) as per Technical Specification Clause 505 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	57.40	Square metres			Per square metre	
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kgs (Zero decimal Two Two Five kilograms) per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per MORD Technical Specification Clause 503 and as per direction of Engineer-Incharge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	1180.00	Square metres			Per square metre	
3	Providing and laying 30mm (Thirty milimetres) thick bituminous concrete with 100-120 TPH batch type HMP (Hot Mix Plant) producing an average output of 75 tonnes (Seventy five) tonne per hour using crushed aggregates of specified grading, premixed with bituminous binder VG-10 (Viscosity grade-Ten) @ 5.5% (Five point Five) percent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 509 complete in all respect and as per direction of Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	36.03	Cubic metres			Per cubic metre	
Total :-							

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 499947.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT ONE MONTH

NAME OF WORK:- Periodic maintenance of Kaisthwari to Guru Ka Tiala road (HP0408VR225) under AMP (Village Road) for the year 2022-23 in Distt Kangra (HP).
SUB-HEAD :- Providing and laying Bituminous Concrete pavement at Km 0/500 to 1/000

Sl. No.	Description of work	Quantity	RATES In		Unit	Amount
			Fig	Word		
1	Providing, laying and rolling of built-up spray grout layer over prepared base consisting of a one layer composite construction of crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the single layer to serve as a base, conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm (Seventy five millimetre) as per Technical Specification Clause 505 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	57.40 Square metres			Per square metre	
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kgs (Zero decimal Two Two Five kilograms) per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per MORD Technical Specification Clause 503 and as per direction of Engineer-Incharge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	1180.00 Square metres			Per square metre	
3	Providing and laying <u>30mm (Thirty milimetres) thick</u> bituminous concrete with 100-120 TPH batch type HMP (Hot Mix Plant) producing an average output of 75 tonnes (Seventy five) tonne per hour using crushed aggregates of specified grading, premixed with bituminous binder VG-10 (Viscosity grade-Ten) @ 5.5% (Five point Five) percent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 509 complete in all respect and as per direction of Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	36.03 Cubic metres			Per cubic metre	
Total :-						

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

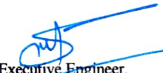
SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 350233.00
EARNEST MONEY: - ₹ 7050.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Providing way side facilities on Nagrota Chahri Pathiar road in Distt. Kangra (H.P.). **Deposit work).**
SUB-HEAD :- **Construction of Rain Shelter at RD 0/000**

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation in foundation, trenches etc. in earth work in all classification of soil such as pick work, jumper work, pick jumper work, blasting work, jumper blasting work, soft and hard blasting and saturated soil, de-watering, including wedging out rocks where blasting work is prohibited, chiseling or any other mixed variety of soil, de-watering and/or removal of slush and incidentals, lift upto any heights, stacking the excavated soil not more than 3 mtrs (Three meters) clear from the edge of excavation and then retuning the stacked soil in 15cm (Fifteen centimeter) layers, when required into plinths, sides of foundation etc; consolidating each deposited layer by ramming, watering and then disposing of all excavated earth as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	2.29 Cubic metres			Per cubic metre	
2	Providing and laying cement concrete 1:3:6 (One cement : Three sand: Six graded stone aggregate 40mm (Forty millimetres) nominal size) excluding cost of centring and shuttering in foundations and plinth complete as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	1.03 Cubic metres			Per cubic metre	
3	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), 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 Edges of slabs and breaks in floors and walls upto any width where ever required as per Architectural drawing and the like floor etc. and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	25.98 Running metres			Per running metre	
4	Boulder filling dry hand packed under flooring including consolidation complete, including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.03 Cubic metres			Per cubic metre	
5	Providing and fixing 100mm (One hundred milimetres) diametres mild steel hollow pipe (heavy grade) embeded in cement concrete masonry work and filled with cement mortar 1:3 (One cement: Three sand) as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	20.00 Running metres			Per running metre	
6	Providing and fixing cast iron decorative post as per required height and approved brand/quality of Dwarka make or its equivalent including necessary fitting complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	600.00 Kilo-grams			Per Kilo gram	
7	Providing and fixing cast iron decorative railing of 1.00 mtr (One metre) height Dwarka make or its equivalent fixing with concrete floor/tiles floor compete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	400.00 Kilo-grams			Per Kilo gram	
8	Steel work welded in built up sections in framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in gratings framed guard bars, ladders, railing, gate, brackets and similar works including fixing in position as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	8.02 Quintal			Per Quintal	
9	Providing and laying cement concrete 1:2:4 (One cement: two sand: four graded crushed stone aggregate 20mm (Twenty millimetres) nominal size mechanically mixed and curing complete excluding cost of forms work in foundation and plinth, as directed by the Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	5.55 Cubic metres			Per cubic metre	
10	Providing and fixing 100mm (One hundred milimetres) diametres mild steel hollow pipe (heavy grade) embeded in cement concrete masonry work and filled with cement mortar 1:3 (One cement: Three sand) as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	2.00 Running metres			Per running metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
11	Steel work welded in built up sections in trusses and framed work joints channels, angles, tees frame work for ceiling flats with connection plates or angles, cleat as in trusses, trussed purlins main and cross beams, hips jack rafters, purlins connected to common rafters and the like in building including cutting, fixing, lifting, hoisting and; placing in position complete and applying a coat of red lead paint i/c framed work with angle tees 40x6mm (Forty into six millimetres) including carriage of materials within all leads, lifts and other incidentals, as per approved drawing, design and as directed by the Engineer-in-Charge.	4.00 Quintals			Per quintal	
12	Providing and fixing 0.60mm (Zero decimal Six Zero milimetres) thick prepainted 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 of 5 (Five) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks, bolts and nuts 6mm (Six milimetres) diametres with prepainted limpet and rubber washers complete with all accessories as required as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	57.53 Square metres			Per square metre	
13	Providing and fixing M.S. B.P Sheet 1.66mm to 2mm (One point sixty six to Two milimetres) 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), as per directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	4.31 Square metres			Per square metre	
14	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter enamel paint other than white including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	50.47 Square metres			Per square metre	
15	Providing and laying 20mm (Twenty millimeters) thick granite stone in flooring 20mm (Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete as directed by the Engineer- in-Charge including carriage of materials within all leads, lifts and other incidentals.	20.78 Square metres			Per square metre	
16	Hindi (Matras) commas and the like not to be measured and paid for half letters shall be counted as half only complete as directed by the Engineer- in-Charge including carriage of materials within all leads, lifts and other incidentals.	2500.00 Centimetres			Per centi metre	
TOTAL :-						


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

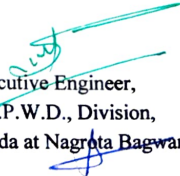
Schedule of Quantity

ESTIMATED COST: -	₹	499524.00
EARNEST MONEY: -	₹	10000.00
TIME LIMIT :-		THREE MONTHS

NAME OF WORK :- Construction of Toru Wah Chaprehar road Km 0/000 to 5/000 in Distt. Kangra (H.P.).

SUB-HEAD :- Formation cutting in Km 3/000 to 4/000

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation in hilly area in all heights and depths and in all kind of soil by manual/mechanical means including saturated soil comprising of ordinary soil, soft rock, hard rock, chiseling, wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required lines, grades, cutting and trimming of side slopes and level as shown in the drawing and as directed by engineer-in-charge at site according to the MORD technical specification clause 302, 1603.1 and 1603.2 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of road and transportation of un-useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling, fine dressing and carriage of machineries, materials, tools, equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour if required. Recovery of stone to the tune of <u>206.50 Two Hundred Six point Fifty</u> cubic metres quantity at the rate of <u>300/- (Three Hundred)</u> per cubic metre shall be effected from the contractor's running bills on pro-rata basis as per actual quantity executed. 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 compensated by him in all cases.	5880.21 Cubic meters			Per cubic metre	
TOTAL: -						


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

Schedule of Quantity

ESTIMATED COST: - ₹ 499524.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Construction of Toru Wah Chaprehar road Km 0/000 to 5/000 in Distt. Kangra (H.P.).
SUB-HEAD :- Formation cutting in Km 4/000 to 5/000

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation in hilly area in all heights and depths and in all kind of soil by manual/mechanical means including saturated soil comprising of ordinary soil, soft rock, hard rock, chiseling, wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required lines, grades, cutting and trimming of side slopes and level as shown in the drawing and as directed by engineer-in-charge at site according to the MORD technical specification clause 302, 1603.1 and 1603.2 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of road and transportation of un-useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling, fine dressing and carriage of machineries, materials, tools, equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour if required. Recovery of stone to the tune of <u>206.50 Two Hundred Six point Fifty</u> cubic metres quantity at the rate of <u>300/- (Three Hundred)</u> per cubic metre shall be effected from the contractor's running bills on pro-rata basis as per actual quantity executed. 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 compensated by him in all cases.	5880.21			Per cubic metre	
		Cubic meters				
TOTAL: -						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: -	₹	156102.00
EARNEST MONEY: -	₹	3150.00
TIME LIMIT :		ONE MONTH

NAME OF WORK :- Construction of Play Ground of Govt. Degree College at Nagrota Bagwan in District Kangra, (H.P.).
SUB-HEAD :- Supplying, stacking and levelling good earth

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Supplying, stacking, levelling and compacting of good earth at site including roayalty and carriage within leadsand lifts (Earth measured in stacks will be reduced by 20% (Twenty precent) for payment) and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	506.25 Cubic meters			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

Estimate Cost:-
Earnest Money:-
Time Limit:-

Rs. 3,96,740.00
Rs. 7950.00
ONE MONTH

Name of work:- Annual Repair & Maintenance of Non-Residential Buildings under HPPWD Division, Tanda at Nagrota Bagwan in Distt. Kangra (H.P.)

Sub Head – Providing and installation of Networking system.


Sr Numbers	Description	Qty	Rates	In Words	Unit	Amount
1	SITC of Gosseneck Microphone Suitable for various Applications such as on Lectures and Podiums, Open Conference etc. The sleek design microphones as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	2 Numbers			Each	
	Power Source - 1.5V-9V DC					
	Frequency response - 70 to 1800HZ					
	Catridge - Condenser Type					
	Connector XLR Socket inbuilt					
	Approved Make: Ahuja/JBL/Bosch					
2	SITC of Heavy Weight housing of Gooseneck Mic as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	2 Numbers			Each	
	Base - Anti Skid					
	Indication - LED					
	Switch - On/ Off					
	Connector - XLR or 1/4 " Phone Plug					
	Approved Make: Ahuja/JBL/Bosch					

3	<p>SITC of AEC Enabled Digital Processing Module as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.</p> <p>AEC Enable Input Channel: Minimum 6 or more</p> <p>1 x Stereo Line Input</p> <p>4 x Line Output or more</p> <p>USB audio interface for soft codec application</p> <p>Digital Network Link Port for future expansion</p> <p>IP / RS232 port for third-party control</p> <p>Signal to Noise Ratio: 90dB or more</p> <p>THD: 0.03% or better</p> <p>Certification: CE, FCC</p> <p>Approved Makes : Audio Technica/Labgruppe/Powersoft</p>	1 Number			Each	
4	<p>SITC of Wall Mount speaker of High Fidelity Speaker System as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.</p> <p>Power Tapping - 30W/15W</p> <p>Housing - Compact & Elegant Plastic (Balck)</p> <p>Woffers/ Driver - Polypropylene & titanium Doime 6.5 "</p> <p>Impedance / Voltage 8 Ohm/ 100V</p> <p>SPL DB - 86 to 90 dB</p> <p>Makes: Music Ahuja/JBL/Bosch</p>	2 Numbers			Each	
5	<p>SITC of 100 Watt Mixer Amplifier as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.</p> <p>5 Mic & 2 Aux Inputs.</p> <p>Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme</p> <p>Instant transfer to DC power (Car Battery) if AC power fails.</p> <p>Signal to Noise Ratio -60dB</p> <p>Outputs - Preamp 200mV/600Ω, Line 1V/1kΩ</p> <p>Speaker Outputs - 4Ω, 8Ω, 16Ω, 70V & 100V</p> <p>Power Consumption DC: 3A - AC: 220VA</p> <p>Approved Make : Ahuja/JBL/Bosch</p>	1 Number			Each	

6	SITC of Webcam - 1080p Full HD Streaming Camera for Widescreen Video Calling and Recording, Dual Microphones, Autofocus, Compatible with PC as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals. Approved Make : Logitech/Panasonic/Sony	1 Number			Each	
7	S/I/T/C Cables, Connectors and accessories Make Reputed as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Job.			Each job	
8	S/I/T/C of 1 KVA online UPS with 15 minutes backup battery bank. Make – Uniline/ Numeric/Emerson as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
9	MDF - 50 Pair. Make - Reputed as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
10	SITC of 2 Pair Telephone Cable Make Finolex, Polycab, Havells as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	200 Running metres			Per running metre	
11	SITC of Batten/ Conduit 1 Inch Make Reputed as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	100 Running metres			Per running metre	
12	SITC of SMB Box with Single Faceplate and I/O Make Dlink/R&M/Panduit as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	8 Numbers			Each	
13	Installation of existing EPABX system as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Job			Each	
14	Supply and erection of 24 port Patch Panel with straight frame complete in all respect Make Panduit, Dlink, R&M as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Numbers			Each	
15	LAN (Data cabling and computer networking) SE of Information outlets and Face Plate connection to terminate the individual Cat - 6 cable from data switch to respective data node of the network and connect the node the server by making cat-6 cable back bone complete in all respect as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	22 Numbers			Each	

16	Supply and erection of 1 meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete Make Panduit, Dlink, R&M as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	22 Numbers			Each	
17	Supply and erection of 2 meter long patch cord Low Smoke Zero Halogen factory crimped comprising of make RJ-45 connectors on both end complete Make Panduit, Schinder, R&M as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	22 Numbers			Each	
18	Supply and erection of Cat-6 UTP cable including tracing, numbering and termination on data switch and I/Os on other end complete in all respect as approved and desired by engineer in chief. Make : - Dlink/Schinder/R&M. as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	400 Mtr.			Per running metre	
19	Supply and erection of 9 U wall mount rack, Tinted Toughened Glass Door, High quality fan of High Cool brand, High quality PDU of Elcom brand Make APW/ Comrack/ Dlink as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
20	Supply and Erection of 24 port network SWITCH 10/100/1000 mbps complete in all respect as approved and desired by engineer in chief make (Juniper/Cisco/DLink) as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
21	Supply and Erection of 25 mm conduit (Heavy Grade). Make – Diplast/AKG/Polycab as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	300 Mtr.			Per Per Running Metre	

22	Supply and testing of Wireless Access Point 2x2(Transmit and Receive)Dual Bank IEEE 802.11a/b/g/n/ac. 2 internal dual-band 3 dBi omni antennas. Operating frequency • 2.4 GHz band: 2.4 to 2.4835 GHz. Make Netgear / Juniper/ DLink as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
23	SITC of Firewall Performance - 3700 MBPS, TLS Inspection - 375 MBPS, IPS - 1015Mbps, IPSEC VPN- 750 Mbps, Threat Protection- 240 Mbps, Connectivity - 4 GE Copper, 1X SFP Fiber, Management Interface- 1XCOM RJ 45 Make Sophos, CISCO , Juniper as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	1 Number			Each	
Total Amount						


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

Schedule of Quantity

ESTIMATED COST: -Rs.
EARNEST MONEY : -Rs.
TIME LIMIT :-

499833.00
10000.00
ONE MONTH

NAME OF WORK:- **A/R & M/O various roads under HPPWD Sub-Division Baroh in Distt. Kangra (H.P.) KANDI SECTION**
SUB HEAD: - **Repair of pot holes.**

Sr. No.	Description	Quantity	Rate		Unit	Amount
			In fig.	in words		
			4	5	6	7
1	Maintenance of WBM road including filling up of pot holes, ruts and rectifying corrugated surface, damaged edges and ravelling as per technical specification Clause 1906 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	203.00 Square meters			Per square metre	
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	2800.00 Square meters			Per square metre	
TOTAL: -						

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

Schedule of Quantity

ESTIMATED COST: -Rs.

499833.00

EARNEST MONEY : -Rs.

10000.00

TIME LIMIT :-

ONE MONTH

NAME OF WORK:- **A/R & M/O various roads under HPPWD Sub-Division Baroh in Distt. Kangra (H.P.) BAROH SECTION**
SUB HEAD: - **Repair of pot holes.**

Sr. No.	Description	Quantity	Rate		Unit	Amount
			In fig.	in words		
1	2	3	4	5	6	7
1	Maintenance of WBM road including filling up of pot holes, ruts and rectifying corrugated surface, damaged edges and ravelling as per technical specification Clause 1906 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	203.00 Square meters			Per square metre	
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	2800.00 Square meters			Per square metre	
TOTAL: -						

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

Schedule of Quantity

ESTIMATED COST: -Rs.

499833.00

EARNEST MONEY : -Rs.

10000.00

TIME LIMIT :-

ONE MONTH

NAME OF WORK:- **A/R & M/O various roads under HPPWD Sub-Division Baroh in Distt. Kangra (H.P.) RADH SECTION**

SUB HEAD: - **Repair of pot holes.**

Sr. No.	Description	Quantity	Rate		Unit	Amount
			In fig.	in words		
1	2	3	4	5	6	7
1	Maintenance of WBM road including filling up of pot holes, ruts and rectifying corrugated surface, damaged edges and ravelling as per technical specification Clause 1906 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	203.00 Square meters			Per square metre	
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	2800.00 Square meters			Per square metre	
TOTAL: -						

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