

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

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 18.12.2023 up to 11:00 A.M. And the same shall be opened on the same day at 04:00 P.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 16.12.2023 up to 4:00 P.M and the application for issue of tender form shall be received on 15.12.2023 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.	Construction of link road to village Bhadrehar Km 0/000 to 1/000 in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 0/120 to 0/150).	376267/-	7550/-	Two months
2.	Construction of link road to village Gabla Andrar in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road in Km 1/125 to 1/275).	473124/-	9500/-	Two months
3.	Construction of link road to village Bari-Ja-Lahar in Distt Kangra (HP) (SH:-Improvement of road width by providing retaining wall at RD 0/100 to 0/105. Providing and laying cement concrete pavement road at RD 0/400 to 0/500).	315707/-	6350/-	Two months
4.	Construction of link road from Lilly Mundla road in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 1/435 to 1/453).	173438/-	3500/-	Two months
5.	Construction of link road Theru Har to Sakrah Thana road in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road in Km 0/600 to 0/700).	315404/-	6350/-	Two months
6.	Construction of Pucca from culvert to G.P.S. Rajiana in Distt Kangra (Deposit work V.K.V/2022-2474 (SH:-Construction of Edge wall and cement concrete pavement etc; (Deposit work).	117906/-	2400/-	Two months
7.	Restoration of rain damages on Kawari Ranhun road in Distt Kangra (HP) (SH:-Providing and laying interlocking paver block in various reaches).	350000/-	7000/-	Two months
8.	Construction of Roundabout on Baldhar Jassour Chowk and Thanpuri Chowk in Distt Kangra (HP) (SH:-Construction of Roundabout Baldhar Jassour Chowk at RD 0/000 & Thanpuri Chowk)	414945/-	8300/-	Two months
9.	Construction of Roundabout on Yol 53 miles road (Yol Rajiana road) in Distt Kangra (HP) (SH:-Construction of Mural & Roundabout at RD 0/000)	443839/-	8900/-	Two months
10.	Special repair to 500 Bedded Hospital in Dr RPGMC at Tanda in Distt Kangra Deposit work (SH:-Providing and fixing aluminium partition, repair of ducts and other repair in Paraclinic Block (Female Toilet) Left Side	498950/-	10000/-	Two months
11.	Restoration of rain damages on link road from Nagrota Massal Rajhoon Km 0/000 to 8/000 in Distt Kangra (HP) (SH:-Construction of cement concrete pavement road, flooring of culvert, Toe wall, parapets and Edge all etc;)	173427/-	3500/-	Two months

Terms & Conditions:-)

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 reserves 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/TA/Tender/NT/2023-24-

11476-11505

Dated/

30/11/2023

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 Executive Engineer (IT), Nigam Vihar Shimla 2 for information. He is requested to upload the same on the department website.
6. The Superintending Engineer, 5th Circle, HPPWD, Palampur.
7. The Principal, Dr. RPGMC, Tanda.
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. 376267.00
 EARNEST MONEY :- Rs. 7550.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road to village Bhadrachar Km 0/000 to 1/000 in Distt. Kangra (H.P.)
 SUB HEAD :- Construction of Retaining wall in Km 0/120 to 0/150

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 (Ten 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.	22.50 Cubic metres			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 1:5:10 (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-In-charge including carriage of material within all leads, lifts and other incidentals.	93.74 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-In-charge including carriage of materials within all leads, lifts and other incidentals.	28.15 Running metres			Per running metre	
4	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	18.28 Cubic metres			Per cubic metre	
TOTAL :-						376267.00


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

Schedule of Quantity

ESTIMATED COST: - Rs. 473124.00
 EARNEST MONEY: - Rs. 9500.00
 TIME LIMIT: - TWO MONTHS

NAME OF WORK :- Construction of link road to village Gabla Andrar in Distt. Kangra (H.P.)
 SUB HEAD :- Providing and laying cement concrete pavement road in Km 1/125 to 1/275

S. No.	Description of items	Quantity	In fig.	Rate	Unit	Amount
			4	In words		
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [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.	35.44 Cubic metres		5	Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering. All work up to plinth level 1:2.4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) 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.	70.88 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- **Rs. 315607.00**
 EARNEST MONEY :- **Rs. 6350.00**
 TIME LIMIT :- **TWO MONTHS**

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

SUB HEAD :- Improvement of road width by providing Retaining wall at RD 0/100 to 0/105, Providing and laying cement concrete pavement road at RD 0/400 to 0/500

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 (Ten 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.	7.80 Cubic metres			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 1:5:10 (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-In-charge including carriage of material within all leads, lifts and other incidentals.	12.49 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-In-charge including carriage of materials within all leads, lifts and other incidentals.	5.70 Running metres			Per running metre	
4	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.88 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 incidentals.	23.63 Cubic metres			Per cubic metre	
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) 20mm (Twenty millimetres) thickness as per HP.PWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	47.25 Cubic metres			Per cubic metre	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- RS. 173438.00
 EARNEST MONEY :- RS. 3500.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road from Lilly Amtrar Mundla road in Distt. Kangra (H.P.)
 SUB HEAD :- Construction of Retaining wall in Km 1/435 to 1/453

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 (Ten 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.	26.78 Cubic metres			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 1:5:10 (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.	43.55 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.	14.72 Running metres			Per running metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- Rs. 315404.00
 EARNEST MONEY :- Rs. 6350.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road Tharu Har to Sakrah Thana road in Distt. Kangra (H.P.)
 SUB HEAD :- Providing and laying cement concrete pavement road in Km 0/600 to 0/700

S. No.	Description of items	Quantity	In fig.	Rate	Unit	Amount
			4	In words		
1	2	3		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.	23.63 Cubic metres			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 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) 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.	47.25 Cubic metres			Per cubic metre	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- ₹ 117906.00
EARNEST MONEY :- ₹ 2400.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of Puca Path from culvert to G.P.S. Rajiana in Distt. Kangra (H.P.) (Deposit work) V.K.V/2022/2474

SUB HEAD :- Construction of Edge wall and cement concrete pavement etc; (DEPOSIT WORK).

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 (Ten 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.	6.15 Cubic metres			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-In-charge including carriage of material within all leads, lifts and other incidentals.	11.40 Cubic metres			Per cubic metre	
3	Construction of embankment with approved materials obtained from borrow pits with a lift upto 1.5m (One point five metres) transport to sill spreading grading to required slope and compacted to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000m (One thousand meters) as per Technical Specification Clause 301.5, as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	9.00 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-In-charge including carriage of materials within all leads, lifts and other incidentals.	26.00 Running metres			Per running metre	
5	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	9.00 Cubic metres			Per cubic metre	
6	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.	3.60 Cubic metres			Per Cubic metres	

7	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-In-charge including carriage of materials within all leads, lifts and other incidentals.	7.88 Cubic meters			Per cubic metre
TOTAL :-					


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

Schedule of Quantity

ESTIMATED COST :- RS. 350000.00
 EARNEST MONEY :- RS. 70000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Kawari Ranhun road in Distt. Kangra (H.P.)
 SUB-HEAD :- **Providing and laying interlocking paver block in various reaches**

S. No.	Quantity	Rate		Unit	Amount
		In fig.	In words		
1	3	4	5	6	7
1	280.00 Square metres			Per Square metre	
TOTAL :-					


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

SCHEDULE OF QUANTITY

ESTIMATED COST:- ₹ 414945.00
EARNEST MONEY:- ₹ 8300.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of Roundabout on Baldhar Jassor Chowk and Thanpuri Chowk in Distt. Kangra (H.P.).

SUB-HEAD :- Construction of Roundabout Baldhar Jassor Chowk at RD 0/000 & Thanpuri Chowk

S. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation in foundation, trenches etcetera in earth work involving all classification of soil such as pick work, pick jumper work, jumper work, jumper blasting work, soft and hard blasting and saturated soil including chiseling or any other mixed variety of soil dewatering and removal of slush and other incidental lifts upto all heights including stacking the excavated soil not more than three metres clear from the edge of the excavation and then returning the stacked soil in 15 cm (fifteen centimeters) thick layers when required into plinths, sides of foundation etcetera consolidating each deposited layer by ramming and watering and then disposing of all surplus excavation earth including carriage of material within all leads, lifts and other incidentals as per HPPWD specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	5.76 Cubic metres			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 including carriage of material within all leads, lifts and other incidentals as per HPPWD specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	2.58 Cubic metres			Per cubic metre	
3	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 including cost of forms work in foundation and plinth, including carriage of material within all leads, lifts and other incidentals as per HPPWD specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	8.55 Cubic metres			Per cubic metre	
4	Providing and fixing cast iron decorative post, railing of any height of Dwarka make or its equivalent fixing with concrete floor/tiles floor including necessary fitting complete and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	201.50 Kilo-grams			Per Kilo gram	
5	Providing and laying Polished Granite stone flooring/skirting in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing and moulding in single/double layer etc; all complete as specified and as directed by the Engineer-in-Charge Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	11.50 Square metres			Per square metre	

6	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel in grating, frames, guard bar ladder, railings, bracket, gate and similar work complete including carriage of material within all leads, lifts and other incidentals and further as per HPPWD specifications, approved drawing, design and as directed by the Engineer-in-charge.	1500.00 Kilo gram			Per kilo gram
7	Providing and installation Ashoka Sarnop/ Lion Statue/ Elephant Statue of minimum height upto 2 ft. (Two feet) of white Makrana marble alongwith necessary fitting with polishing/painting complete and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
8	Providing and fixing first quality PVC Statue of minimum height upto 2 ft. (Two feet) alongwith necessary fitting complete and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	1 Number			Each
9	Providing and laying non-pressure NP2 class R.C.C. 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-In-charge including carriage of material within all leads, lifts and other incidentals.	2.50 Running metre			Per running metre
Total :-					


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

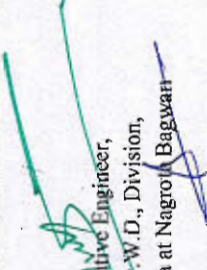
SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 443839.00
 EARNEST MONEY:- ₹ 8900.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of Roundabout on Vol 53 Miles road (Vol Rajjan Road) in Distt. Kangra (H.P.),
 SUB-HEAD :- Construction of Murral & Roundabout at RD 0/000

S. No.	Description of items	Quantity	In fig	RATES		Unit	Amount
					In words		
1	2	3	4	5	6	7	
1	Excavation in foundation, trenches etcetera in earth work involving all classification of soil such as pick work, pick jumper work, jumper work, jumper blasting work, soft and hard blasting and saturated soil including chiseling or any other mixed variety of soil dewatering and removal of slush and other incidental lifts upto all heights including stacking the excavated soil not more than three metres clear from the edge of the excavation and then returning the stacked soil in 15 cm (fifteen centimeters) thick layers when required into plinths, sides of foundation etcetera consolidating each deposited layer by ramming and watering and then disposing of all surplus excavation earth including carriage of material within all leads, lifts and other incidentals as per HPPWD specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	15.12 Cubic metres			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 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40 mm (Forty millimetres) nominal size as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	2.50 Cubic metres			Per cubic metre		
3	Stone filling dry hand packed under flooring including consolidation complete including carriage of material within all leads, lifts and other incidentals as per HPPWD specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	2.10 Cubic metres			Per cubic metre		
4	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-In-charge including carriage of material within all leads, lifts and other incidentals.	1.50 Cubic metres			Per cubic metre		
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand) : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	9.90 Cubic metres			Per cubic metre		
6	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 gratings framed guard bars, ladders, railings, brackets and similar works and the like in building including cutting, fixing, lifting, hoisting and; placing in position complete and applying a coat of red lead paint including framed work with angle tees 40x6mm (Forty into six millimetres) as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	450.00 Kilo gram			Per kilo gram		
7	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors, including carriage of material as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	850.00 Kilo-grams			Per kilo-gram		

8	Painting steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture including carriage of material within all leads, lifts and other incidentals and further as per HPPWD specifications, approved drawing, design and as directed by the Engineer-in-charge.	15.50 Square metres		Per square metre
9	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including by the Engineer-in-Charge Polished moulding in single/double layer etc; all complete as specified and as directed by the Engineer-in-Charge Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	6.50 Square metres		Per square metre
10	Providing and fixing Hindi Matras commas and the like not to be measured and paid for separately) Half letters shall be counted as half only complete excluding the cost of form work in foundation and plinth as directed by the Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals.	4200.00 Per letter per Centi- metres height		Per letter per Centi- metres height
11	Providing and fixing precast RCC kerb stone of size 20x27x40cm in RCC 1:2:4 (One cement : two sand : four graded stone aggregate 20mm (Twenty millimetres) nominal size and curing complete including form work etc; kerbs steps and the like as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	220.00 Numbers		Each
12	Providing and fixing cast iron decorative post/Railing as per required height and approved brand/quality of Dwaraka make or its equivalent including necessary fitting complete and as directed by the Engineer-in Charge, including entire carriage of materials within all leads, lifts and other incidentals.	306.55 Kilo- grams		Per Kilo gram
13	Providing and installation Ashoka Satoop/ Lion Statue/ Elephant Statue of minimum height upto 2 ft. (Two feet) of white Makrana marble alongwith necessary fitting with polishing/painting complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each
14	Providing and fixing first quality PVC Statue of minimum height upto 2 ft. (Two feet) alongwith necessary fitting complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	1 Number		Each
15	Providing and fixing Uni Stone /Slate stone/Decorative stones etc; on plastered surface in cement mortar 1:6 (One cement : Six sand) complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	8.15 Square metres		Per square metre
Total :-				


 Executive Engineer,
 H.P.W.D., Division,
 T and a at Nagrota Bagwan

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 499050.00
 EARNED MONEY :- ₹ 10000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair to 500 Bedded Hospital in Dr. RPGMC at Tanda in Distt. Kangra (Deposit work)
 SUB-HEAD :- Providing and fixing aluminium partition, repair of ducts and other repair in Paraclinic Block (Male Toilet in ground floor and first floor) (Left Side)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (wooden/concrete joists to be measured and paid for separately) Stone slab/flagged floors complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	110.00 Square metres			Per square metre	
2	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20m (Twenty meters) lead (wooden/concrete joists to be measured and paid for separately) for thickness of tiles above 25mm (Twenty five millimeters) and upto 40mm (Forty millimeters) complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	30.00 Square meters			Per square metre	
3	Demolition of brick work above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead in cement mortar complete as per direction of Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	7.25 Cubic metres			Per Cubic metre	
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 carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	0.35 Quintals			Per quintal	
5	Providing and fixing 300x300 / 450x450/ 600x600mm (Three hundred into Three hundred / Four hundred Fifty into Four hundred Fifty / Six hundred into Six hundred millimetres) thick nominal size anti skid water proof stain and impet resistant heavy duty vetrified tiles ISI marked of Kazaria/Nitco/Rak manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimetres) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete, as directed by the Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	15.00 Square metres			Per square metre	
6	Providing and fixing wall tiles of size 300x450/300x600/200x300 (Three hundred into Four hundred fifty into Three hundred into Six hundred/Two hundred into Three hundred millimeters) thick in skirting , risers of steps and dado for all heights and 12mm (Twelve millimeters) thick sizes of tiles with cement mortar 1:3 (One cement: Three sand) and jointed with white cement slurry and as directed by the Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals.	110.00 Square metres			Per square metre	

7	Providing and fixing anodised aluminium work (Shampion shade colour coated) for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodized transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. aluminium sections shall be smooth, rustfree, straight, mired and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for doors windows and ventilators and glazed partitions frames. All complete as per architectural drawings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	25.00 Kilograms			Per kilo-gram
8	Providing and fixing anodised aluminium work (Shampion shade colour coated) for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodized transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mired and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	15.22 Kilograms			Per kilo-gram
9	Providing and fixing 300x16mm size (Three hundred into sixteen millimetres) anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. complete within all leads, lifts of materials and other incidentals.	6 Numbers			Each
10	Providing and fixing 200x10mm (One hundred fifty into Ten millimetres) size aluminum oxidized Tower bolts (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc; complete including entire carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-In-Charge.	8 Numbers			Each
11	Providing and fixing 150x10mm (One hundred fifty into Ten millimetres) nominal size aluminium Tower bolts (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc; including entire carriage of materials as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each
12	Providing and fixing 150mm (One hundred fifty millimetres) size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each
13	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer- Incharge, including entire carriage of material within all leads, lifts and other incidentals.	1.75 Square metres			Per square metre
14	Supplying and fixing plate glass 5.5mm (Five decimal Five millimetres) thick glass panes with putty and nails including removal of broken glass panes wherever necessary complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	3.45 Square metres			Per square metre

15	15mm (Fifteen millimetres) thick cement plasters in single coat on fair side of brick/concrete/stone walls for interior plastering including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth including drip course and grooves with cement mortar 1:6 (One cement: Six sand) above plinth level to floor all levels including carriage of material within all leads, lifts and other incidentals, as per approved drawing, design and as directed by the Engineer-In-charge.	110 Square metres		Per square metre	
16	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete, as directed by the Engineer- In-charge. including carriage of materials within all leads, lifts and other incidentals	187.68 Square metres		Per square metre	
17	Wall painting(Two coat)with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease, loose pieces of seal and sand papered smooth as directed by the Engineer- In-charge. including entire carriage of materials within all leads, lifts and other incidentals	187.68 Square meters		Per square metre	
18	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal/Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.				
i)	15mm (Fifteen millimetres) nominal bore	70.00 Running metres		Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	50.00 Running metres		Per running metre	
19	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera or its equivalent in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	4 Numbers		Each	
20.	Providing and fixing sand cast iron 100mm (Hundred millimetres) size Cera or its equivalent P or S traps for water closet (squatting pan) including jointing the trap with pan and soil pipe in cement mortar 1:1 (one cement: one sand) as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	6 Numbers		Each	
21	Providing and fixing plastic seat (Solid/Hollow type) and cover Cera or its equivalent for wash down water closet with C.P. Brass hinges and rubber buffers complete and complete as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	4 Numbers		Each	
22	Providing and fixing Angle back type of size 370x430x340mm (Three hundred seventy into four hundred thirty into three hundred forty millimetres) vitreous China bowl pattern urinal including connection the urinal with waste pipe by means of white lead mixed with chopped hemp (waste pipe to be measured and paid for separately) including necessary fitting complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals	6 Numbers		Each	
23	Providing and fixing 550x400mm (Five hundred fifty into four hundred millimetres) (vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white Cera or its equivalent including cutting holes and making good the same but excluding fittings and as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	8 Number		Each	

24	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
25	Providing and fixing 32mm (Thirty two millimetres) diametres M.I. Union for wash basin or sink ISI make complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	12 Numbers			Each	
26	Providing and fixing 100mm (One hundred millimetres) diametres C.P. brass grating for gully floor or Nalini trap ISI make as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	20 Numbers			Each	
27	Providing and fixing 600x450mm (Six hundred fifty millimetres) size bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
28	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws Cera or its equivalent as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
29	Providing and fixing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera or its equivalent as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
30	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera or its equivalent complete as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	25 Numbers			Each	
31	Providing and fixing 15 mm(Fifteen millimetres) P.V.C connection pipe with bras unions 300/450 mm (Three hundred / Four hundred fifty millimeters) length as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	25 Numbers			Each	
32	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing eistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
33	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
34	Providing and fixing 110mm (One hundred ten millimetres) diametres PVC spigot and socketpipes Type-B for soil waste and ventilating pipe pressure not less than 6kg/cm ² (Six kologranper centimetre square) including fixing with approved adhesive etc. complete as directed by the Engineer- in-Charge including entire carriage of materials within all leads, lifts and other incidentals.	40.00 Running metres			Per running metre	
35	Providing and fixing 110mm (One hundred ten millimetres) diametres PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	5 Numbers			Each	

36	Providing and fixing 110mm (One hundred ten millimetres) diameters PVC collars ISI marked including fixing with approved adhesive etc; complete as per the direction of the Engineer-In-charge including making good the floors and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	12 Numbers		Each	
37	Providing and fixing 110x90mm (One hundred ten into Ninety millimetres) nominal size PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals	22 Numbers		Each	
38	Providing and fixing 100mm (One hundred millimetres) dia for C.I. pipes M S holder bat clamps of approved design to C.I. or S.C.I. pipes embedded in including cement concrete blocks 10x10x10cm (Ten into ten into ten centimeters) of 1:2:4 (One Cement : Two Sand : Four graded crushed stone aggregate 20 mm (Twenty millimetres) nominal sizecutting and cost of cutting holes and making good the wall etc; making good including entire carriage of materials within all leads lifts and other incidentals.	12 Numbers		Each	
39	Providing and fixing 4mm (Four millimeters) thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) as per approved drawing, design complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	40.08 Square metres		Per square meter	
40	Providing 20mm (Twenty millimetres) thick Kota stone slab flooring, risers of steps,skirting dado 25 mm (Twenty five millimetres) (average) thick base of cement mortar 1:4 (One cement : Four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. including rubbing and polishing complete within all leads, lifts and carriage of materials and other incidentals as per approved drawing, design and as directed by the Engineer in-Charge	4.70 Square metres		Per square metre	
41	Providing and laying 16mm to 20mm (Sixteen to 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 including rubbing, polishing and moulding complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	10.60 Square metres		Per square metre	
42	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) 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.	2.80 Cubic metres		Per cubic metre	
				TOTAL :-	


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 173427.00
 EARNEST MONEY :- Rs. 3500.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Nagrota Massal Rajhoon Km 0/000 to 8/000 in Distt. Kangra (H.P.)

SUB-HEAD :- Construction of cement concrete pavement road, flooring of culvert, Toe wall, parapets and Edge wall etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
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 (Ten square metre) on plan), including dressing of sides and running 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.	3 24.79 Cubic metres	4	5	6 Per cubic metre	7
2	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 incidentals.	7.18 Cubic metres			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-In-charge including carriage of material within all leads, lifts and other incidentals.	8.46 Cubic metres			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 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) 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.	15.66 Cubic metres			Per cubic metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40 mm (Forty millimetres) nominal size as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	5.85 Cubic metres			Per cubic metre	
TOTAL :-						

Executive Engineer,
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