

**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 **09.08.2024** 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 **08.08.2024** up to **4:00 P.M.** and the application for issue of tender form shall be received on **07.08.2024** 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	Restoration of rain damages on link road from Thehru Har to Sakrah Damtehar Km 0/000 to 5/000 in Distt Kangra (HP) (SH:-Construction of Breast wall at RD 0/470 to 0/485 and 0/500 to 0/520)	282621/-	5700/-	Two months
2.	Construction of link road from Mangrela to Talai Behar in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement at RD 0/000 to 0/150).	267458/-	5350/-	Three months
3.	Construction of Upper Aerla Gadrana Pallu Baroh Km 0/000 to 7/400 in Distt Kangra (HP) (SH:-Construction of V-shape drain at Km 2/800 to 3/000 and Providing laying cement concrete pavement at RD 2/600 to 2/950).	476651/-	9550/-	Three months
4	Construction of link road to village Chakban Sarotari in District Kangra (HP) (SH:-Extension of existing 900mm dia RCC hume pipe culvert at RD 1/745 and Construction of retaining wall at RD 1/750 to 1/760).	283034/-	5700/-	Three months
5.	Construction of link road Village Kalru in Distt Kangra (HP) (SH:-Construction of 900mm dia RCC Hume pipe culvert at RD 1/450, Construction of Edge wall at RD 1/010 to 1/019 and Providing and laying cement concrete pavement at RD 1/350 to 1/450).	497976/-	10000/-	Three months
6.	Restoration of rain damages on Thana Bargran Busal road Km 0/000 to 4/500 in District Kangra (HP) (SH:-Providing wire crate protection work at RD 1/00 to 1/915).	242158/-	4900/-	Three months
7	Restoration of rain damages on link road from Kandi to Danoa via Bhorla Km 0/000 to 5/200 in Distt kangra (HP) (SH:-Improvement of road width by providing retaining wall in wire crate work at RD 4/400 to 4/425).	410865/-	8250/-	Two months
8.	Restoration of rain damages on link road from Kandi to Danoa via Bhorla Km 0/000 to 5/200 in Distt Kangra (HP) (SH:-Construction of vented causeway at RD 4/285, wire crate protection work at RD 4/290 to 4/300, Providing and laying cement concrete pavement at RD 4/280 to 4/295).	477651/-	9550/-	Two months
9.	Construction of link road from Sadoon to Rangehar in Distt Kangra (HP) (SH:-Earth filling [providing and laying G-II and G-III between Km 0/000 to 0/470).	490967/-	9850/-	Two months
10.	Restoration of rain damages on Daulatpue Sunhi Sarotari Kandi road Km 3/000 to 14/400 in Distt Kangra (HP) (SH:-Construction of Breast wall at RD 9/950 to 9/975) (Telecom Deposit)	237274/-	4750/-	Two months
11.	Providing way road side facilities on Bane-Di-Hatti to Obra road Km 0/000 to 5/345 in Distt Kangra (HP) (SH:-Construction of rain shelter at RD 2/800).	176132/-	3550/-	Three months
12.	Restoration of rain damages on link road from Baldhar to Jassour Km 0/000 to 4/600 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 0/450 to 0/510).	396038/-	7950/-	Two months

13.	Restoration of rain damages on Daulatpur Sunhi Sarotari Kandi road Km 3/00 to 14/400 in Distt Kangra (HP) (SH:-Protection work to existing RCC Hume pipe culvert by providing retaining walls at RD 11/710 to 11/720 and 11/735 to 11/745).	221734/-	4450/-	Two months
14.	Restoration of rain damages to Govt. I.T.I Baroh at Sarotari in Distt Kangra (HP) (SH:-Balance work earth filling , plinth protection and repair of plaster etc; (Deposit work)	142595/-	2900/-	Two months
15.	Restoration of rain damages on link road from Nagrota Masal Rajhoon to Ulhari road Km 0/000 to 2/035 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 0/210 to 0/222(Both side) and RCC slab culvert at RD 0/220 etc; deposit work)	215179/-	4850/-	Two months
16.	Restoration of rain damages on Daulatpur Sunhi Sarotari Kandi road Km 3/000 to 14/400 in Distt Kangra (HP) (SH:-Construction of Breast wall at RD 10/360 to 10/380).	194530/-	3900/-	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/NIT/2023-24-

4412-41

Dated/ 22-7-2024

**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, 5<sup>th</sup> 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 :- ₹ 282621.00  
EARNEST MONEY :- ₹ 5700.00  
TIME LIMIT : TWO MONTHS

**NAME OF WORK :-** Restoration rain damages on link road from Thehra Har to Sakrah Damtehar Km 0/000 to 5/000 in Distt. Kangra (H.P.)  
**SUB HEAD :-** Construction of Breast wall at RD 0/470 to 0/485 and 0/500 to 0/520

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 9Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	35.24	3	4	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 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and H.P.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	71.35			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.	26.85			Per running metre	
<b>TOTAL :-</b>						

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

# SCHEDULE OF QUANTITY

ESTIMATED COST:- 267458.00

EARNEST MONEY :- 5350.00

TIME LIMIT : THREE MONTHS

NAME OF WORK :-

Construction of link road from Mangrela to Talai Behar in District Kangra, (H.P.).

SUB-HEAD :-

Providing and laying Cement Concrete Pavement at RD 0/000 to 0/150.

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental.	20.03			Per Cubic metres	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level cement concrete 1:2:4 (One cement; two sand; four graded broken/crushed stone aggregate 20mm (Twenty millimetres) nominal size mechanically mixed and curing complete 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.	40.07			Per cubic metre	
TOTAL :-						

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



# SCHEDULE OF QUANTITY

ESTIMATED COST:- Rs. 476651.00  
EARNEST MONEY :- Rs. 9550.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK:-**

Construction of Upper Aerla Gadrana Pallu Baroh Km 0/000 to 7/400 in District Kangra, (H.P.).

**SUB-HEAD:-**

Construction of V-shape drain at Km 2/800 to 3/000 and Providing and laying cement concrete pavement at RD 2/900 to 2/950.

Sr No.	Description of items	Quantity	RATES		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 a any lead as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	19.25 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 cement concrete 1:3:6 (One cement; three sand; six graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete 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.	20.35 Cubic metres			Per cubic metre	
3	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.	28.35 Cubic metres			Per Cubic metres	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level cement concrete 1:2:4 (One cement; two sand; four graded broken/crushed stone aggregate 20mm (Twenty millimetres) nominal size mechanically mixed and curing complete 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.	56.70 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

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

## SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 283034.00  
EARNEST MONEY :- Rs. 5700.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-**


Construction of link road to village Chakban Sarotri in District Kangra, (H.P.).

**SUB-HEAD :-**

Extension of existing 900mm dia RCC Hume pipe culvert at RD 1/745 and Construction of Retaining wall at RD 1/750 to 1/760.

Sr No.	Description of items	Quantity	RATES		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 a any lead as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	8.75 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 cement concrete 1:3:6 (One cement; three sand; six graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete 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.	0.97 Cubic metres			Per cubic metre	
3	Providing and laying mechanically mixed and vibrated for plain cement concrete in open foundation complete using plain cement concrete grade M-15 (M-Fifteen) 1:2.5:5 (one cement : two point five sand : five graded crushed stone aggregate) design mix with cement contents not less than 275kg (two hundred seventy five kilogramme) per cubic metre in or under water including curing complete including pumping or bailing out water , dewatering, removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths as per drawings and MORD technical specification Clause 1105.1 including the cost of form work but excluding the cost of reinforcement for reinforced concrete work etcetra and curing complete 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.	10.67 Cubic meters			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level cement concrete 1:5:10 (One cement; five sand; ten graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete 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.	51.24 Cubic metres			Per cubic metre	

5	Providing and laying (to level or slope) 900mm dia (Nine hundred millimeter) diametres reinforced cement concrete pipe IS Class NP-2 for culverts on first class bedding or granular material in single row including fixing collar with cement mortar 1 : 2 (One cement : Two sand) but excluding the cost of excavation, protection works, back filling, concrete and masonry work in head walls and parapets as per drawing and M.O.R.D. technical specifications Clause 1108 complete 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.	2.50 Running metres			Per Running metre	
6	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, complete 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.	20.55 Cubic metres			Per cubic metre	
7	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 complete 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.	19.20 Running metre			Per running metre	
8	Earth work in surface excavation not exceeding 30 cm in trenches or embankment in layers (each layer should not exceed 15 cm (Fifteen centimetre)), with intermediate layer of compacted earth (Soil density of 98% (Ninety eight percent)) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm (Thirty centimetre) or as decided by Engineer -in-charge, including compacting each layer by rolling/ramming and watering, all complete as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	2.08 Cubic meters			Per cubic metre	
<b>TOTAL :-</b>						

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

## SCHEDULE OF QUANTITY

ESTIMATED COST:- Rs. 497976.00  
EARNEST MONEY :- Rs. 10000.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK:-

Construction of link road to village Kalru in District Kangra, (H.P.).

SUB-HEAD:-


Construction of 900mm dia RCC Hume pipe culvert at RD 1/450, Construction of Edge wall at RD 1/010 to 1/019 and Providing and laying Cement concrete pavement at RD 1/350 to 1/450..

Sr No.	Description of items	Quantity	RATES		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 a any lead as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	35.47 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 cement concrete 1:3:6 (One cement, three sand; six graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete 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.	1.27 Cubic metres			Per cubic metre	
3	The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government. Providing and laying mechanically mixed and vibrated for plain cement concrete in open foundation complete using plain cement concrete grade M-15 (M-Fifteen) 1:2.5:5 (one cement : two point five sand : five graded crushed stone aggregate) design mix with cement contents not less than 275kg (two hundred seventy five kilogramme) per cubic metre in or under water including curing complete including pumping or bailing out water , dewatering, removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths as per drawings and MORD technical specification Clause 1105.1 including the cost of form work but excluding the cost of reinforcement for reinforced concrete work etcetra and curing complete 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.	10.50 Cubic meters			Per cubic metre	



4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level cement concrete 1:5:10 (One cement, five sand, ten graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete 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.		22.49	Cubic metres			Per cubic metre	
	5	Class NP-2 for culverts on first class bedding or granular material in single row including fixing collar with cement mortar 1 : 2 (One cement : Two sand) but excluding the cost of excavation, protection works, back filling, concrete and masonry work in head walls and parapets as per drawing and M.O.R.D. technical specifications Clause 1108 complete 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.	5.00	Running metres			Per Running metre	
6	1204.3.8, complete 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.	8.42	Cubic metres				Per cubic metre	
		5.70	Running metre				Per running metre	
7	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 complete 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.							
8	Earth work in surface excavation not exceeding 30 cm in trenches or embankment in layers (each layer should not exceed 15 cm (Fifteen centimetre)), with intermediate layer of compacted earth (Soil density of 98% (Ninety eight percent)) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm (Thirty centimetre) or as decided by Engineer -in-charge, including compacting each layer by rolling/ranming and watering, all complete as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	4.15	Cubic meters				Per cubic metre	

9	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	Per Cubic metres	
10	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level cement concrete 1:2:4 (One cement, two sand, four graded broken/crushed stone aggregate 20mm (Twenty millimetres) nominal size mechanically mixed and curing complete 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.	47.25	Cubic metres	Per cubic metre
<b>TOTAL :-</b>				

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

# SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 242158.00  
EARNEST MONEY :- Rs. 4900.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-**

Restoration of rain damages on Thana Bargran Busal road Km 0/000 to 4/500 in District Kangra, (H.P.).

**SUB-HEAD :-**

Providing Wire crate protection work at RD 1/900 to 1/915.

Sr No.	Description of items	Quantity	RATES		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 a any lead as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	33.08 Cubic metres			Per cubic metre	
2	Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (Ten into twelve) (D=100 mm (One hundred millimetre) with tolerance of $\pm 2\%$ , Zinc+10% Al alloy+PVC coated, Mesh wire diameter 2.7/3.7mm (Two point seven/three point seven millimetre) (ID/OD), mechanically edged/ selvedged with partitions at every 1m interval and shall have minimum 10 (Ten) numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm (Two point two/ three point two millimetre) (ID/OD), supplied @3% (Three percent) by weight of Gabion boxes, filled with boulders with least dimension of 200 mm (Two hundred millimetre), as per drawing, all complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	86.40 Cubic meters			Per cubic metre	
3	Earth work in surface excavation not exceeding 30 cm in trenches or embankment in layers (each layer should not exceed 15 cm (Fifteen centimetre)), with intermediate layer of compacted earth (Soil density of 98% (Ninety eight percent)) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm (Thirty centimetre) or as decided by Engineer -in-charge, including compacting each layer by rolling/ramping and watering, all complete as directed by the Engineer-in-charge, within all leads, lifts and other incidentals as per specifications, approved drawing, design 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.	18.00 Cubic meters			Per cubic metre	
TOTAL :-						

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

# SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 410865.00  
EARNEST MONEY :- ₹ 8250.00  
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Kandli to Danao via Bhorla Km 0/000 to 5/200 in Dist. Kangra (H.P.).  
SUB-HEAD :- Improvement of road width by providing Retaining wall in wire crate work at RD 4/400 to 4/425

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 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.	22.18 Cubic meters	4	5	6 Per cubic metre	7
2	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012/MORTH Clause 2500, of required size. Mesh Type 10x12 (D=100 mm with tolerance of $\pm 2\%$ ) Zinc coated, Mesh wire diameter 3.0 mm (Three point zero millimetres), mechanically edged/selvedged with partitions at every 1m (One metre) interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	150.26 Cubic metres			Per cubic metre	
3	Filling available excavated earth (excluding rock) intrenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer-in-charge 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.	31.20 Cubic metres			Per cubic metre	
TOTAL :-						

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

# SCHEDULE OF QUANTITY

NAME OF WORK :-

Restoration of rain damages on link road from Kandi to Danao via Bhorla Km 0/000 to 5/200 in Distt. Kangra (H.P.).

ESTIMATED COST :-

₹ 477651.00

SUB-HEAD :-

Construction of vented causeway at RD 4/285, Wire Gate protection work at RD 4/290 to 4/300, providing and laying cement concrete pavement at RD 4/280 to 4/295

EARNEST MONEY :-

₹ 9550.00

TIME LIMIT :-

TWO MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In figs.	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 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.	38.45 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering. Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	1.27 Cubic metres			6 Per cubic metre	
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in 1:2.5:5 (One cement : Two and half sand : five graded) broken/crushed stone aggregate 20mm (Twenty millimetres) nominal size PCC grade M-15 (M-Fifteen), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	10.50 Cubic metres		4	6 Per cubic metre	
4	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-Incharge including carriage of material within all leads, lifts and other incidentals.	5.00 Running metre		4	6 Per running metre	
5	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of ± 2%) Zinc coated, Mesh wire diameter 3.0 mm (Three point zero millimetres), mechanically edged/selvedged with partitions at every 1m (One metre) interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	85.50 Cubic metres			6 Per cubic metre	
6	Filling available excavated earth (excluding rock) jetties or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer -in - charge 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.	19.75 Cubic metres			6 Per cubic metre	



7	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) <b>Grading-II</b> 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 millimeters) 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 complete 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.	6.19	Cubic metres			Per cubic metre	
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	479.33	Kilo grams			Per kilo gram	
9	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 millimeters) nominal size as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	6.28	Cubic metres			Per cubic metre	
10	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 millimeters) nominal size complete 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.	12.38	Cubic metres			Per cubic metre	
<b>TOTAL :-</b>							

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

### Schedule of Quantity

ESTIMATED COST :- ₹ 490967.00  
EARNEST MONEY :- ₹ 9850.00  
TIME LIMIT : TWO MONTHS

**NAME OF WORK :-** Construction of link road from Sadoon to Rangchar in Distt. Kangra (H.P.)  
**SUB HEAD :-** Earth filling, providing and laying G-II and G-III between Km 0/000 to 0/470

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Filling available excavated earth (excluding rock) intrachutes or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer-in-charge 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.	187.50 Cubic metres	4	5	Per cubic metre	7
2	Preparation of sub grade by dressing to camber (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications including entire carriage of materials within all leads and lifts and other incidentals.	1579.20 Square metres			Per Square metre	
3	Consolidation of sub grade with road roller including making good the undulation etcetera, with earth or quarry soil etc. and re-rolling the sub-grade completed as per HP.PWD specifications including entire carriage of materials within all leads and lifts and other incidentals.	1579.20 Square metres			Per Square metre	
4	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 millimeters) 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 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. The rate is inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	116.59 Cubic metres	4		Per cubic metre	
5	Providing, laying, spreading and compacting stone aggregate of size 53mm to 22.4mm (fifty three millimeter to Twenty two point four millimeter) Grading-III 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 millimeters) 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 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 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	112.89 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

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

# Schedule of Quantity

ESTIMATED COST :- ₹ 237274.00  
EARNEST MONEY :- ₹ 4750.00  
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Daulatpur Sunhi Sarotari Kandi road Km 3/000 to 14/400 in Dist. Kangra (H.P.)  
SUB HEAD :- Construction of Breast wall at RD 9/950 to 9/975 C. Telecom Repair

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 9Ten 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.	22.18 Cubic meters	4	5	6 Per cubic metre	7
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-In-charge including carriage of materials within all leads, lifts and other incidentals.	60.49 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.	20 Numbers			Each	
TOTAL :-						

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

# SCHEDULE OF QUANTITY


NAME OF WORK :- Providing way road side facilities on Bane-Di-Hatti to Odra road Km 0/000 to 5/345 in Distt. Kangra (H.P.)  
SUB-HEAD :- Construction of Rtn Shelter at RD 2/800

ESTIMATED COST:- ₹ 176132.00  
EARNEST MONEY:- ₹ 3550.00  
TIME LIMIT :- THREE MONTHS

S. No.	Description of items	Quantity	RATES		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 ramming of bottoms, lift upto 1.5 in (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 5.76 Cubic metres	4	5	6 Per cubic metre	7
2	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 vertical surface such as walls (any thickness) partitions and the like including attached, pilasters, buttresses, plinth and string courses and the like 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.	7.20 Square metres			Per square 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 work in edge of slab and breaks in floors and walls under any thickness within all leads, lifts of materials and other incidentals, as per approved drawing, design and as directed by the Engineer-in-Charge.	14.00 Running metres			Per running metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering, Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimeters) 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.	5.58 Cubic metres			Per cubic metre	
5	Stone/Boulder filling dry hand packed under flooring including consolidation complete as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1.80 Cubic metres			Per cubic metre	
6	Providing and laying cement concrete 1:2:4 (One cement: two sand: four graded crushed stone aggregate 20mm (Twenty millimeters) 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.	3.60 Cubic metres			Per cubic metre	
7	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-Incharge including carriage of material within all leads, lifts and other incidentals.	2.40 Cubic metres			Per cubic metre	
8	Providing and fixing 100mm (One hundred millimeters) diameters mild steel hollow pipe (heavy grade) embeded in cement concrete masonry work and filled with cement mortar 1:3 (One cement: Three sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	15.00 Running metres			Per running metre	
9	Steel work welded in built up sections trusses and framed work, including cutting, fixing, lifting, hoisting and, placing in position of TATASAIL and applying a coat of red lead paint in gratings, framed gaurd, bars, ladders, railing, brackets and similar work, including entire carriage of material within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	280.77 Kilogram			Per kilo gram	



10	Steel work welded in built up sections trusses and framed work, including cutting, fixing, lifting, hoisting and placing in position of TATA/SAIL and applying a coat of red lead paint in trussed putlins in buildings and similar work, including entire carriage of material within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	241.82	Per kilo gram	
11	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick prepainted sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) 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 millimetres) diameters with prepainted limpet and rubber washers complete with all accessories as required as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals	17.94	Per square metre	
12	Providing and fixing M.S. B.P. Sheet 1.66mm to 2mm (One point sixty six to Two millimetres) thick in eaves board/facia/soffit/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.	2.55	Per square metre	
13	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm (Zero point ninety liter / Ten square metre) over an under coat of primer applied @ 0.80 ltr/ 10 sqm (Zero point eighty liter / Ten square metre) of approved brand and manufacture including carriage of materials as directed by the Engineer-in-Charge, within all leads, lifts and other incidentals.	38.40	Per square metre	
14	Providing and laying mirror polished 25mm (Twenty five millimetre) thick Kota stone minimum Size 55x55cm (fifty five into Fifty Five centimetres) of uniform colour with 7.5 cm (Seven point five centimetre) wide Jaisiner Yellow marble band (NTC /Johnson ) of same shade that of flooring of approved shade as per detail slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (One cement : Four coarse sand) complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-Charge.	15.00	Per square metre	
15	Making plinth protection 50mm thick of cement concrete 1:3:6 (One cement : Three coarse sand (zone - III) : Six graded stone aggregate 20mm (Twenty millimetres nominal size) over 75mm (Seventy five millimetres) thick bed of dry brick ballast 40mm (Forty millimetres nominal size), well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling, dressing and finishing the top smooth 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.	6.00	Per square metre	
16	Writing letters or figures on any surface with synthetic enamel paint other than white paint (stops, commas, hyphens and the like not to be measured and paid separately) in Indian letters/ figures of approved brand and manufacture including entire carriage of materials within all leads, lifts and other incidentals.	900.00	Per letter per centi-metre height	
<b>Total :-</b>				

  
 Executive Engineer,  
 H.F.P.W.D., Division,  
 Tanda at Nagbilia Bagawan



### Schedule of Quantity

ESTIMATED COST :- Rs. 396038.00  
EARNEST MONEY :- Rs. 7950.00  
TIME LIMIT : TWO MONTHS

**NAME OF WORK :-** Restoration rain damages on link road from Baldhar to Jassour Km 0/000 to 4/600 in Dist. Kangra (H.P.).

**SUB HEAD :-** Construction of Retaining wall at RD 0/450 to 0/510

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 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.	18.60 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.	99.60 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.	28.00 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.	12.15 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

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

# Schedule of Quantity

ESTIMATED COST: - ₹ 221734.00  
EARNEST MONEY: - ₹ 4450.00  
TIME LIMIT: TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Daulatpur Sunhi Sarotari Kandi road Km 3/000 to 14/400 in Dist. Kangra (H.P.)  
SUB HEAD :- Protection work to existing RCC Hume Pipe culverts by providing Retaining walls at RDs 11/710 and 11/720 and 11/735 to 11/745

C Telecom Deptt

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 9Ten square metre) on plan), including dressing of sides and ranning of bottoms, lift upto 1.5 in (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.	30.36 Cubic meters			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 1:5:10 (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.	52.34 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.	28.00 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-Incharge including carriage of material within all leads, lifts and other incidentals.	15.48 Cubic metres			Per cubic metre	7
TOTAL :-						

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

# Schedule of Quantity

ESTIMATED COST :- ₹ 142595.00  
EARNEST MONEY :- ₹ 2900.00  
TIME LIMIT : TWO MONTHS

**NAME OF WORK :-** Restoration of rain damages to Govt. I.T.I. Baroh at Sarolari in Distt. Kangra (H.P.).  
**SUB HEAD :-** Balance work earth filling, plinth protection and repair of plaster etc. (DEPOSIT WORK).

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 9Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	3	4	5	6	7
2	Filling available excavated earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer -in - charge 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.	460.00			Per cubic metre	
3	Boulder filling dry hand packed under flooring including consolidation complete and as per HPPWD technical specification and as per direction of Engineer-Incharge including carriage of materials within all leads and lifts and other incidental.	11.00			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 complete 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.	4.33			Per cubic metre	
5	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete With cement mortar 1:4 (1 cement : 4 fine sand) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.40			Per square metre	
6	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.	3.30			Per cubic metre	
7	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.	3.00			Per running metre	
8	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-Incharge including carriage of material within all leads, lifts and other incidentals.	1.44			Per cubic metre	
TOTAL :-						

Executive Engineer  
HPPWD Division  
Tanda at Megrota Bagwan

# SCHEDULE OF QUANTITY

ESTIMATED COST:- ₹ 215179.00  
EARNEST MONEY:- ₹ 439.00  
TIME LIMIT:- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Nagrota Massal Rajoon to Ukhari road Km 0/000 to 2/035 in Dist. Kangra (H.P.).  
SUB-HEAD :- Construction of Retaining wall at RD 0/210 to 0/222 (Both side) and RCC slab culvert at RD 0/220 etc; DEPOSIT WORK

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 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.	12.45 Cubic meters	4	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 1:5:10 (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.	32.10 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-Incharge including carriage of material within all leads, lifts and other incidentals.	7.56 Cubic metres			Per cubic metre	
4	Providing and laying concrete for plain reinforcement concrete/sub structure in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:1.5:3 (One cement : One and Half sand : Three graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	2.66 Cubic meters			Per cubic metre	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	337.90 Kilo grams			Per kilo gram	
6	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.	12.00 Running metres			Per running metre	
7	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-Incharge including carriage of material within all leads, lifts and other incidentals.	7.05 Cubic metres			Per cubic metre	
TOTAL:-						

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



# Schedule of Quantity

ESTIMATED COST :- ₹ 194530.00  
 EARNEST MONEY :- ₹ 3900.00  
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Daultapur Sunhi Sarotari Kandi road Km 3/000 to 14/400 in Dist. Kangra (H.P.)  
 SUB HEAD :- Construction of Breast wall at RD 10/360 to 10/380 C Tehsil Dehri

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 9Ten square metre) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	29.76 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 grade/crushed stone aggregate 40mm (forty millimeter) nominal size), as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	48.39 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.	16.56 Running metres			Per running metre	
TOTAL :-						

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