

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
*** Notice Inviting Tender *****

Sealed item rate tender on form No. 6 & 8 are hereby invited by the Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan on behalf of Governor of Himachal Pradesh for the following work from the approved and eligible contractors enlisted in HP PWD (B & R) whose registration stood renewed as per revised rules so as to reach in his office on or before on **08.08.2022** up to **11:00 A.M.** And the same shall be opened on the same day at **11:30 A.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **05.08.2022** up to **4:00 P.M** and the application for issue of tender form shall be received on **06.08.2022** up to **12:00 noon**. The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1	Construction of Lower Jadrangal Baldhar Sihund road Km 0/000 to 6/000 in Distt Kangra (HP) (SH:-Construction of retaining wall RD 1/600 to 1/618) (R/S)	497350/-	10000/-	Three months
2	Construction of Lower Jadrangal Baldhar Sihund road Km 0/000 to 6/000 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 1/619 to 1/639 (R/S)	499962/-	10000/-	Three months
3	Construction of Yol Rajiana road to Tikka Sera road Km 0/000 to 0/650 in Distt Kangra (HP) (SH:-Providing and laying interlocking paver block at RD 0/000 to 0/150)	499995/-	10000/-	Three months
4	Construction of Mumta Bhadrehar road Km 0/000 to 1/900 in Distt Kangra (HP) (SH:-Construction of retaining wall and laying cement concrete pavement road in km 1/615 to 1/700)	499453/-	10000/-	Three months
5	Repair and maintenance of existing rain shelter at Chandrot on Sakreh Dhamtehar road in Distt Kangra (HP) (SH:-Dismantling of existing RCC slab ceiling recasting the same and plaster and painting work etc;)	122465/-	2450/-	Three months
6	Construction of Mumta Bhadrehar road km 0/000 to 1/900 in Distt Kangra (HP)(SH:-Construction of retaining wall and providing and laying cement concrete pavement road in Km 1/495 to 1/615).	499453/-	10000/-	Three months
7	Special repair to Paraclinic Lab in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Providing and fixing aluminium work P/L and bacterial distempering, water supply & sanitary installation etc; in Lab room No 513 & 511) (Deposit work	499992/-	10000/-	Three months
8	Construction of Govt. Veterinary Hospital at Nagrota Bagwan in Distt Kangra (HP) (SH:-Balance work of providing and fixing stainless steel railing and other items of building works etc;)	499758/-	10000/-	Three months
9.	Providing way road side facilities on Samloti Mumta road in Distt Kangra (HP) (SH:-Providing and fixing steel struss and preapainted sheet roofing etc; in existing flat form/Rain shelter at RD 0/000)	132958/-	2700/-	Three months
10	Construction of link road from Sakrehr to Dharamgiri road Km 0/000 to 1/800 in Distt Kangra (HP) (SH:-Formation cutting in Km 0/000 to 0/800)	139996/-	10000/-	Three months
11.	Special repair to Anatomy Block in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Dismantling tile, repair of plaster , floor tile wall tile including water supply and sanitary installation etc; in Toilet Ground 1 st floor and 2 nd floor)	487632/-	9750/-	Three months
12.	Annual repair and maintenance of Nagrota Baldhar Dhaloon road Km 0/000 to 9/100 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 6/690 to 6/705, 6/810 to 6/820 and C/o U shape drain at RD 6/800 to 6/900).	499546/-	10000/-	Three months

13	A/R & M/O Sadoon Akarana road Km 0/000 to 3/000 in Distt Kangra (HP) (SH:-Balance work of repair of pot holes between Km 0/000 to 3/000).	281850/-	5650/-	One month
14	Restoration of rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/100 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 3/150 to 3/165 (Ht. 4.88 mtr L.H.S).	499909/-	10000/-	Three months

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

HIMSUCHANA AVAM & JAN SAMPARK

(On behalf of Governor of

Himachal Pradesh)

No.PW/NBD/Tender/2022/

5477-77

Dated/

Copy to the following for information and necessary action:-

18-7-2022

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

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

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

Schedule of Quantity

ESTIMATED COST :- Rs. 497350.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Lower Jadrangal Baldhar Sihund road Km 0/000 to 6/000 in Distt. Kangra (H.P.).
SUB HEAD :- Construction of Retaining wall at RD 1/600 to 1/618 (R/S).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material 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.	18.36 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.	100.15 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.	18 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	56.45 Cubic metres			Per cubic metre	
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering 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.	190.15 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST: - Rs. 499962.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Lower Jadrangal Baldhar Sihund road Km 0/000 to 6/000 in Distt. Kangra (H.P.).

SUB HEAD :- Construction of Retaining wall at RD 1/619 to 1/639 (R/S).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1		3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material 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.	15.13 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.	100.62 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.	18 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	58.68 Cubic metres			Per cubic metre	
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering 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.	185.18 Cubic metres			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499995.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Yol Rajiana road to Tikka Sera road Km 0/000 to 0/650 in Distt. Kangra (H.P).

SUB-HEAD :- Providing and laying interlocking paver block at RD 0/000 to 0/150

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	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.	2.15 Cubic metres			Per cubic metre	
2	Providing and laying 80mm (Eighty millimetres) thick Interlocking Concrete Paver Block as per drawings and Technical Specification Clause 1504 of ISI make including 4mm (Four millimetres) thick levelling course of sand and locking with cement concrete M-30 (M-Thirty) complete as per direction of Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	430.50 Square metres			Per Square metre	
TOTAL:-						


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

Schedule of Quantity

ESTIMATED COST :- ₹ 499453.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Mumta Bhadrehar road Km 0/000 to 1/900 in Distt. Kangra (H.P.).
 SUB-HEAD :- Construction of Retaining wall and providing and laying cement concrete pavement road in Km 1/615 to 1/1700

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 22.15 Cubic meters	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.	41.35 Cubic metres			Per cubic metre	
3	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) 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.	16.50 Cubic meters			Per cubic metre	
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering 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.	92.70 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 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	12.50 Cubic metres			Per Cubic metres	

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-In-charge including carriage of material within all leads, lifts and other incidentals.	22.80 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 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	35 Numbers			Each
8	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	18.15 Cubic metres			Per cubic metre
TOTAL :-					


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

SCHEDULE OF QUANTITY

ESTIMATED COST:- ₹ 122465.00
 EARNEST MONEY:- ₹ 2450.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Repair and Maintenance of existing Rain Shelter at Chandnot on Sakreh Dhamtehar road in Distt. Kangra (H.P.).
 SUB-HEAD :- *Dismantling of existing RCC slabceiling including recasting the same and plaster and painting work etc;*

S. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge including entire carriage of materials within all leads, lifts and other incidentals.	5.36 Cubic meters			Per cubic metre	
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 flat surfaces such as soffits of suspended floors roofs, landings as per Architectural drawing and the like floor etc; including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	35.75 Square metres			Per square metre	
3	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimetres) 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 etcetera, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in edges of slab and breaks in floors and walls under any thickness 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.	24.00 Running metres			Per running metre	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:2:4 (One cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size including carriage of material within all leads, lifts and other incidentals as per approved drawing, design, specifications and as directed by the Engineer-Incharge.	5.36 Cubic metres			Per cubic metre	
5	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding, straightening and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	536.25 Kilo- grams			Per kilo- gram	

6	6mm (Six millimetres) thick cement plaster to ceiling in cement mortar 1:3 (One cement: Three sand) upto all floor levels 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.	35.75 Square metres			Per square metre
7	Providing and applying white cement based putty of Birla/J.K. average thickness 1mm (One millimetre) thick, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete, as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	35.75 Square metres			Per square metre
8	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives complete New work (Two or more coats applied @ 1.43 litre/ 10 sqm (Zero point forty three liter / Ten square metre). Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm (Zero point ninety liter / Ten square metre)including entire carriage of materials within all leads, lifts and other incidentals	35.75 Square metres			Per square metre
Total :-					


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

Schedule of Quantity

ESTIMATED COST :- ₹ 499453.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Mumta Bhadrehar road Km 0/000 to 1/900 in Distt. Kangra (H.P.).
 SUB-HEAD :- Construction of Retaining wall and providing and laying cement concrete pavement road in Km 1/495 to 1/615

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 22.15 Cubic meters	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.	41.35 Cubic metres			Per cubic metre	
3	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) 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.	16.50 Cubic meters			Per cubic metre	
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering 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.	92.70 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 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	12.50 Cubic metres			Per Cubic metres	

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.	22.80 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 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	35 Numbers			Each
8	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	18.15 Cubic metres			Per cubic metre
TOTAL :-					


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 499992.00
 EARNEST MONEY :- ₹ 49100.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair to Paraclinic Lab. in Dr. R.P. Govt. Medical College at Tanda in Distt. Kangra (H.P.)
 SUB-HEAD :- Providing and fixing aluminium work, P/A and bacterial tiles, painting, distemper, water supply & sanitary installation etc; in Lab. Room No. 513 & 511 (Deposit work).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2 Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lend (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.	3	4	5	6	7
2	Providing and laying of levelling course of flooring for vinyl tile flooring (Vinyl flooring paid for separately) to make of foster peck, ardex, fostroc & focial self levelling flooring complete and as per direction of Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals.	110.22 Square metres			Per square metre	
3	Providing and fixing 2mm (Two millimetres) thick seamless and dissipative homogenous VIP Conductive ESD control Vinyl tile flooring in size 600x600mm (Six hundred in six hundred millimetres) of approved colour of LG of its equivalent with polyurethane conductive adhesive. The joint of tile floor shall be given U shaped groove with the grooving machine to insert welding bars. The tile joints shall further be welded by heat fusion process to get seamless floor. The projected welding bars shall be trimmed with the crescent shaped knife and attached sledge so that it should flush with flooring. The edge of the skirting shall be sealed with sealant of approved make. Copper grounding strips 0.5mm (Zero point five millimetres) thick & 25mm (Twenty five millimetres) wide shall be laid on the floor below tiles in the adhesive in the border and crossed junction and connect to copper wire of grounding. The tile flooring should have an electrical resistance of 2.5x10 ⁹ to 2.5x10 ¹⁰ (Two point one into 10 inches to Two point one into 10 inches) ohms as per DIN 51953, ASTM F 150 or NEPA 99 BI class of fire resistance and should meet UL standard 799 standard for electrically conductive flooring as approved .e) laid with cement mortar 1:6 (1 cement : 6 sand) i/c curing complete in super structure upto floor two level complete and as per direction of Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals	122.14 Square metres			Per square metre	
4	Repair to plaster with cement mortar 1:3 (One cement : Three sand) in patches of 2.50 sqm (Two decimal five zero) square metres upto any thickness including cutting the patches in proper shape and re-plastering the surfacing to the wall including disposal of rubbish to the dumping ground complete and as per direction of Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals.	118.75 Square metres			Per square metre	
		12.00 Square metres			Per square metre	

Sl. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
5	Providing and fixing anodised aluminium work for door (External door NO 14081 Size 127 x 44.45 x 3.19mm) , window, ventilators and partitions frame with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs 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, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames. 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) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	3 42.12 Kilogram	4	5	6 Per Kilo gram	7
6	Providing and fixing colure anodised aluminium work for door , window, ventilators and partitions shutter with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs 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, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames. 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) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	47.84 Kilogram			Per Kilo gram	
7	Providing and fixing 250x10mm (Two hundred fifty into Ten millimetres) nominal size ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete including carriage of material as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
8	Providing and fixing 100mm (One hundred millimetres) nominal size ISI marked aluminium Handles anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etcetera; 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.	10 Numbers			Each	

Sl. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
9	Providing and fixing 300x16mm (Three hundred into Sixteen millimetres) size aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts with necessary screws etcetera 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.	14 Numbers			Each	7
10	Providing and fixing 150x125x27x2.80mm oxidized M.S. presses parliamentary bright finished brass parliamentary hinges with necessary screws etc; complete 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.	14 Numbers			Each	
11	Providing and fixing 100mm bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
12	Providing and fixing bright finished M.S. hydraulic door closer within all leads, lifts of materials and other incidentals as per approved drawing, design complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
13	Providing and fixing 12mm (Twelve millimetres) thick Phenol bonded both side prelamated BWP grade particle board in matt finish flat pressed three layer of graded wood particle board Confirming to : IS No. 12863 as per approved shade Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etcetera; complete including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	6.49 Square metres			Per square metre	
14	Supplying and fixing 5.5mm (Five point five millimetres) thick plain glass panes with putty and nails including removal of broken glass panes wherever necessary complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	6.49 Square metres			Per square metre	
15	Providing and fixing floor machine etc. complete and as directed by the Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Number			Each	
16	Removing dry oil distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete, and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1520.24 Square metres			Per square metre	
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	456.07 Square metres			Per square metre	

Sl. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
18	Wall painting with plastic emulsion paint One or more coats on old work of approved brand and manufacture to give an even any shade complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	1020.24 Square metres			Per square metre	
19	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Cera or its equivalent 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	10.00 Running metres			Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	5.00 Running metres			Per running metre	
20	Providing and fixing elbow operated tap complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
21	Providing and fixing brass ball valve (horizontal plunger type):- High pressure with polythene plastic floats complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i)	15mm (Fifteen millimetres) nominal bore	2 Numbers			Each	
ii)	20mm (Twenty millimetres) nominal bore	2 Numbers			Each	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499758.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Construction of Govt. Veterinary Hospital at Nagrota Bagwan in Distt. Kangra (H.P.).

SUB-HEAD :- Balance work of providing and fixing stainless steel railing, M.S. railing and other civil items of building works etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimetres) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimetres), so as to give a fair finish including centring, shuttering strutting and propping etcetera, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in edges of slab and breaks in floors and walls under any thickness 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.	56.90 Square metres			Per square metre	
2	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (One cement : Three coarse sand) cost of required centering, shuttering but, excluding the cost of reinforcement, with 1:1.5:3 (One cement : One and Half coarse sand : Three graded stone aggregate 20mm (Twenty millimetre) nominal size nominal size), as per the directions of Engineer-In-Charge including entire carriage of materials within all leads, lifts and other incidentals.	6.31 Cubic metres			Per cubic metre	
3	Providing Tor steel reinforcement of TATA/Sail/Tisco for reinforced cement concrete work including bending, binding, cutting, straightening and placing in position complete including cost of binding wires complete upto all floor levels as per specifications, approved drawing, design, as per entire satisfaction of the Engineer-in-charge including carriage of material within all leads, lifts and other incidentals.	757.20 Kilo grams			Per kilo-gram	
4	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories and stainless steel dash fasteners, stainless steel bolts etc; of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge. (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	105.00 Kilo grams			Per kilo-gram	
5	Providing and fixing 18 mm (Eighteen millimetre) thick Rajnagar plain white marble, Udaipur green marble/Zebra black marble gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm (Twenty millimetres) thick base cement mortar 1:4 (One cement : fourcoarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding in single/double layer and polishing to edges to give high gloss finish etc. complete at all levels as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	18.25 Square metres			Per square metre	
6	Providing and fixing 0.60mm (Zero decimal Six Zero milimetres) thick prepainted steel sheet TATA / Shakti or equinalant in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 10 (Ten) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks, bolts and nuts 6mm (Six milimetres) diametres with prepainted limpet and rubber washers complete with all accessories as required complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	17.82 Square metres			Per square metre	

7	Providing and fixing 0.63 mm thick with zinc coating not less than 275 gm/ m ² corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	29.06 Square metres		Per square metre
8	Structural steel work riveted, bolted or welded in built up sections, trusses and framed/tubular section work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	525.97 Kilo grams		Per kilo gram
9	Providing and fixing plain M.S. B.P. iron sheet 1.66mm to 2mm (One decimal sixty six millimeter to Two millimetres) thick 16 gauge fixed in soffits /ceiling including jointing with gas/electric welding in position complete (frame work is to be measured and laid for separately) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	29.00 Square metres		Per square metre
10	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 nine zero liters per ten square mere) over an under coat of primer applied @ 0.80 ltr/10 sqm (Zero point eight zero liters per ten square mere) of approved brand and manufacture as per specifications, drawing and design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	30.82 Square metres		Per square metre
11	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.	16.86 Cubic metres		Per cubic metre
12	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.	4.20 Cubic metres		Per cubic metre
TOTAL :-				


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

DRAFT SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 132958.00
 EARNEST MONEY:- ₹ 2700.00
 TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Providing way road side facilities on Samloti Mumta road in Distt. Kangra (H.P.).

SUB-HEAD :- *Providing and fixing steel struss and pre-painted sheet roofing etc; in existing platform/Rain Shelter at RD-07000*

S. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing 0.60mm (sixty millimetre) thick pre-painted steel sheet of TATA Durashine/ Sail /Reliance/Jindal over steel trussed in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating of back coat of polyster of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (six millimetre) diametres with pre-painted limpet, rubber washers complete with all accessories as required 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.	39.00			Per square metre	
2	Providing and fixing pre-painted steel sheet ridge (factory made) having proper Gola shape of corrugation of steel sheet or hips of TATA Durashine/ Sail/ Reliance/Jindal 60cm (sixty centimetre) over all with 0.60mm (zero decimal six zero millimetre) thick pre-painted sheet in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyster organic coating of 20 (twenty) microns over 5 (Five) microns primer coating + back coating of polyster of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimetre) dia pre-painted bitumen washers 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.	18.00			Per Running metre	
3	Providing and fixing M.S. B.P. Sheet 1.66mm to 2mm (One point sixty six millimetres to two millimetres) thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	11.04			Per Square metre	
4	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 etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including entire carriage of materials within all leads, lifts and other incidentals.	468.00			Per kilo gram	

5	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	11.04 Square metres	Per square metre.
6	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 nine zero liters per ten square mere) over an under coat of primer applied @ 0.80 ltr/10 sqm (Zero point eight zero liters per ten square mere) of approved brand and manufacture as per specifications, drawing and design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	11.04 Square metres	Per square metre

Total :-

Executive Engineer

H&P&W Division

Tanda at Narada Bagwan

Schedule of Quantity

ESTIMATED COST: - ₹ 139996.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Construction of link road from Sakrechar to Dharamgiri road Km 0/000 to 1/800 in Distt. Kangra (H.P.)

SUB-HEAD :- Formation cutting in Km 0/000 to 0/800 (MMQSY)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Excavation in hilly area in all heights and depths and in all kind of soil by manual/mechanical means including saturated soil comprising of ordinary soil, soft rock, hard rock, chiseling, wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required lines, grades, cutting and trimming of side slopes and level as shown in the drawing and as directed by engineer-in-charge at site according to the MORD technical specification clause 302, 1603.1 and 1603.2 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of road and transportation of un-useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling, fine dressing and carriage of machineries, materials, tools, equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour if required. Recovery of stone to the tune of <u>22.38 Cum (Twenty Two point thirty Eight)</u> cubic metres quantity at the rate of <u>300/- (Three Hundred)</u> per cubic metre shall be effected from the contractor's running bills on pro-rata basis as per actual quantity executed. Any loss to the public, private property during the course of execution shall be the absolute responsibility of the contractor, which shall have to be compensated by him in all cases.	3	4	5	6	7
		845.90 Cubic meters			Per cubic metre	
TOTAL:-						

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

SCHEDULE OF QUANTITY

NAME OF WORK :- Special repair to Anatomy Block in Dr. R.P.Govt. Medical College at Tanda in Distt. Kangra (H.P.).

SUB HEAD Dismantling tile, repair of plaster, floor tile, wall tile including water supply and sanitary installation etc; in Toilet Ground, 1st floor and 2nd floor.

ESTIMATED COST :- ₹ 487362.00
EARNEST MONEY :- ₹ 9750.00
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Dismantling stone slab flooring laid in cemento mortar including stacking of serviceable material and disposal of unserviceable material upto any lead complete including carriage of material within all leads, lifts and other incidentals as per approved specifications drawing, design and as directed by the Engineer-In-charge.	3	164.59	5	6	7
2	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.	45.54	Square metres		Per square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 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 and lifts and other incidentals.	2.60	Cubic meters		Per cubic metre	
4	Providing and laying 600x600mm (Six hundred into six hundred millimetre) nominal size Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm (Six millimetre) thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete including entire carriage of materials within all leads, lifts and other incidentals	32.20	Square metres		Per square metre	
5	Providing and laying 600x600mm (Six hundred into six hundred millimetre) nominal size Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete including entire carriage of materials within all leads, lifts and other incidentals	112.59	Square metres		Per square metre	
6	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc; complete as per the architectural drawings and the directions of Engineer-in-charge (Cost of aluminium snap beading shall be paid in basic item) with float glass panes of 5 mm (Five millimetre) thickness (weight not less than 12.50 kg/ sqm) complete 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.	5.40	Square metres		Per square metre	
7	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetre) thick gap for thermal expansion, (i) Single socketed pipes complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.					
i	75mm (Seventy five millimetres) dia pipes	60.00	Running metres		Per Running metre	
ii	100mm (One hundred millimetres) dia pipes	80.00	Running metres		Per Running metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
8	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 entire carriage of materials within all leads, lifts and other incidentals.	253.17 Square metres			Per square metre	
9	Providing and applying J.K. Birla white cement based wall care putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete, as directed by the Engineer-in-charge, including carriage of materials within all leads, lifts and other incidentals.	253.17 Square metres			Per square metre	
10	Wall painting with plastic emulsion paint One or more coats on old work of approved brand and manufacture to give an even any shade complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	253.17 Square metres			Per square metre	
11	Providing and fixing vitreous china dual purpose water closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend including necessary fitting complete 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 wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap including necessary fitting complete including carriage of material within all leads, lifts and other incidentals.	6 Numbers			Each	
13	Providing and fixing 32mm (Thirty two millimetre) P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings ISI make 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.	6 Numbers			Each	
14	Providing and fixing 15mm (Fifteen millimetre) diameter G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals	6 Numbers			Each	
15	Providing and fixing 600x450mm (Six hundred into Four 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 entire carriage of materials within all leads, lifts and other incidentals	14 Numbers			Each	
16	Providing and fixing water closet squatting pan (Indian approved quality Cera, Jaquar and Hindware complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	15 Numbers			Each	
17	Providing and fixing toilet paper holder C.P. brass Cera, Jaquar and Hindware as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
18	Providing and fixing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware equivalent as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
19	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
20	Providing C.P. brass angle valve 15mm without nuts and pipes complete Cera, Jaquar and Hindware complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
21	Providing 15mm nominal bore PVC connection with brass unions. 300/450mm length Cera, Jaquar and Hindware complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
22	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 cistern 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) complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
23	Providing and fixing 8 mm (Eight millimetre) dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as per drawing and design approved complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	14 Number			Each	
24	Providing to wall ceiling and floor galvanized mild steel tubes (heavy grade) tube fitting and clamp including making good the wall, ceiling and floor complete ISI make as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) diameter/nominal size	20.00 Running metres			Per Running metre	
ii	20mm (Twenty millimetres) diameter/nominal size	10.00 Running metres			Per Running metre	
25	Providing and fixing 15mm 9Fifteen millimetre) dia brass bib cock of approved quality ISI make Cera, Jaquar and Hindware complete as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
26	Providing and fixing 600x120x5mm (Six hundred twenty into five millimetres) glass shelf with C.P. brass. (Heavy duty makes) brackets and guard rail complete fixed to wooden plugs with C.P. brass screws as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	15 Numbers			Each	
27	Providing and fixing PTMT pillar cock of approved quality and colour ISI make Cera, Jaquar and Hindware complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	20 Numbers			Each	
28	Providing and fixing PTMT towel rail complet with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour Cera, Jaquar and Hindware 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
TOTAL :-						

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

Schedule of Quantity

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

NAME OF WORK : - Annual repair and maintenance of Nagrota Baldhar Dhaloon road Km 0/000 to 9/100 in Distt. Kangra (H.P.),
 SUB HEAD : - Construction of Retaining wall at RD 6/690 to 6/705, 6/810 to 6/820 and C/O U-Shape drain at RD 6/800 to 6/900

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material 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.	82.59 Cubic meters			Per cubic metre	
5	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.	30.50 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.	87.75 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 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	15.15 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST: -Rs. 281850.00
 EARNEST MONEY : -Rs. 5650.00
 TIME LIMIT :- ONE MONTH

NAME OF WORK:- A/R & M/O on Sadoon Akrana road Km 0/000 to 3/000 in Distt. Kangra (H.P.),
 SUB HEAD: - Balance work of repair of Pot Holes between Km 0/000 to 3/000.

Sl. No.	Description	Quantity	Rate		Unit	Amount
			In fig.	in words		
1	2 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 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 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.	3 11.44 Cubic metres	4.	5	6 Per cubic metre	7
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	800.63 Square meters			Per square metre	
TOTAL:-						


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

Schedule of Quantity

ESTIMATED COST :- ₹ 499909.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Restoration of rain damages on Nagrota Balhar Dhaloon road Km 0/000 to 9/100 in Distt. Kangra (H.P.).
SUB-HEAD :- Construction of Retaining wall at RD 3/150 to 3/165 (Ht. 4.88 mtrs L.H.S.).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (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.	35.63 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 1:5:10 (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.	99.80 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 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	15.25 Cubic metres			Per cubic metre	
TOTAL :-						

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