

**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 **03.10.2023** up to **11:00 A.M.** And the same shall be opened on the same day at **04:00 P.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **30.09.2023** up to **4:00 P.M.** and the application for issue of tender form shall be received on **29.09.2023** up to **12:00 noon.** The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. N.	Name of work	Estimated Cost	E arnest Money	Time limit
1.	Restoration of rain damages on link road from Radh to Haldwari road Km 0/000 to 4/425 in Distt Kangra (HP) (SH:-Improvement of road width by providing retaining wall in Km 0/255 to 0/265).	132605/-	2700/-	Two months
2.	Restoration rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/000 in Distt Kangra (HP) Under Telecom Deposit (SH:-Construction of approach road to ITI building).	499964/-	10000/-	Two months
3.	Annual repair and maintenance of HP PWD rest House at Dadh in District Kangra (HP) (SH:-Providing Furnishing items in set No 1 & 2)	196200/-	3950/-	Two months
4.	Restoration of rain damages on various roads under HP PWD Sub-Division Nagrota Bagwan in Distt Kangra (HP) (SH:-Earth filling in road side Berms etc.)	375000/-	7500/-	One month
5.	Restoration of rain damages on link road from Nagrota Massal Rajhoon road Km 0/000 to 8/000 in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 6/105 to 6/125).	499969/-	10000/-	Two months
6.	Restoration of rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/600 in Distt Kangra (HP) Under Telecom Deposit (SH:-Construction of Diversion to damaged culvert at Rd 3/480).	499638/-	10000/-	Two months
7.	Construction of link road from Ramehar Tangroti Dhaloon road Km 0/000 to 6/000 in Distt Kangra (HP) (SH:-Improvement of formation deficiency in between Km 3/000 to 3/250 and Construction of road side drain).	288438/-	5800/-	Two months
8.	Special repair of Gov. Degree College at Nagrota Bagwan in Distt Kangra (HP) Deposit work (SH:-Providing and fixing wall tiles , floor tiles and other civil work etc.)	443733/-	8900/-	Two months
9.	Restoration of rain damages on link road from Kandi to Danoa via Bhorla in Distt Kangra (HP) (SH:-Providing wire crate protection work in various reaches between Km 3/930 to 4/000).	499853/-	10000/-	Two months
10.	Construction of P.G. Hostel in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) Deposit work (SH:-Balance work security post i.e. Civil work and interlocking tiles etc.)	494956/-	9900/-	Two months
11.	Construction of New 120 Nos Girls Hostel in Dr R.P. Govt. Medical college at Tanda in Distt Kangra (HP) (Deposit work) (SH:-Balance work of security post i.e. Civil work etc.)	441141/-	8850/-	Two months
12.	Repair of various Hostel at Dr RPGMC Tanda in Tehsil Nagrota Bagwan in Distt Kangra (HP) (SH:-Providing and fixing WS & SI etc)	499984/-	10000/-	Two months
13.	Special repair to Interns road at Dr R.P. Govt. Medical College Tanda in Distt Kangra (HP) (SH:-Providing and laying R.C.C. Chakka from Girls Hostel to boys Hostel)	499230/-	10000/-	Two months
14.	Restoration of rain damages on link road from Ramehar Tangroti Dhaloon road Km 0/000 to 6/000 in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 2/500 to 2/510 and Construction of road side drain at RD 2/500 to 2/600).	313466/-	6300/-	Two months
15.	Construction of link road from Radh Ustehar Lilly Daulatpur road Km 0/000 to 5/000 in Distt Kangra (HP) (SH:-Construction of 900mm dia Hume pipe culvert at Rd 3/950 and both side retaining wall (D/S)	316195/-	6350/-	Two months

16.	Special repair to 500 Bedded Hospital at Dr R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan in Distt Kangra (HP) (SH:- Dismantling tile, repair of plaster floor tile wall tile etc WS & SI in Children OBG Ortho Surgical Medicine ward Duct (Part-I)	445267/-	8910/-	Three months
17.	Restoration of rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/000 in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 1/800 to 1/810).	295826/-	5950/-	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

No.PW/NBD/TA/Tender/NIT/2023-24- **8428-57**
Copy to the following for information and necessary action:-

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

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

(On behalf of Governor of Himachal Pradesh)

Dated/ **19-9-2023**


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

Schedule of Quantity

NAME OF WORK :- Restoration of raindrainages on link road from Radh to Haldwari road Km 0/000 to 4/425 in Distt. Kangra (H.P.).
SUB HEAD :- Improvement of road width by providing Retaining wall in Km 0/255 to 0/265

ESTIMATED COST :- ₹ 132605.00
EARNEST MONEY :- ₹ 2700.00
TIME LIMIT :- TWO MONTHS

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.	16.68			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40 mm (Forty millimetres) nominal siz as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	31.54			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.	16.00			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.	9.24			Per cubic metre	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499964.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Nagrota Balidhar Dhaloon road Km 0/000 to 9/000 in Distt. Kangra (H.P.). Under Telecom Deposit.
SUB-HEAD :- Construction of approach road to ITI building.

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. 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.	3 450.32 Cubic meters	4	5	6 Per cubic metre	7
2	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 rammimg 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.	18.15 Cubic meters			Per cubic metre	
3	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.	108.76 Cubic meters			Per cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	45.00 Running metres			Per running metre	
5	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	11.10 Cubic metres			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

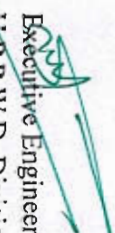
ESTIMATED COST :- Rs. 196200.00
EARNEST MONEY :- Rs. 3950.00
TIME LIMIT : TWO MONTHS

NAME OF Annual repair and maintenance of HPPWD Rest Housecat Dadh in District Kangra, (H.P.).

SUB-HEAD :- Providing Furnishing items in Set No. 1 & 2

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	1	3	4	5	6	7
1	Providing Bed room chair made by teak wood and seat covered with heavy cloth and filled with best quality foam and material 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	5 Numbers			Each	
2	Providing wooden study table made by teak wood size 0.90x0.60m (Zero point ninety into zero point sixty metre) having carbin wood including polishing 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	1 Numbers			Each	
3	Providing side coffee table of teak wood size 0.50x0.50m (Zero point fifty into zero point fifty metre) with glass top including polishing 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	4 Numbers			Each	
4	Providing sofa of teak wood and seat cover with best febric and fill with best quality of foam including polishing 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	2 Numbers			Each	
5	Providing wooden luggage Almirah of teak wood of size 0.90x0.45x0.85 m (Zero point ninety into zero point forty five into zero point eighty five metre) size including polishing 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	2 Numbers			Each	

6	Providing wooden Almirah of teak wood of size 0.55x0.65x1.20 m (Zero point fifty five into zero point sixty five into one point twenty metre) size including polishing 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	1 Numbers			Each.	
7	Providing and fixing Smart LCD of size 55" (Fifty five inches) of make Samsung with all necessary fittings including Tata Sky connection minimum three months subscription complete carriage of material 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.	1 Numbers			Each.	
8	Providing and fixing Smart LCD of size 32" (Thirty two inches) with all necessary fittings of make Samsung with all necessary fittings including Tata Sky connection minimum three months subscription 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	1 Numbers			Each	
TOTAL :-						


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

Schedule of Quantity

NAME OF WORK :- Restoration of rain damages on various roads under H.P.P.W.D., Sub-Division Nagrota Bagwan in Distt. Kangra (H.P.).
SUB HEAD :- Earth filling in road side Berms etc;

ESTIMATED COST :- ₹ 375000.00
 EARNEST MONEY :- ₹ 7500.00
 TIME LIMIT :- ONE MONTH

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Earth filling in road side berms completed as per drawing and technical specification Clause 305.3.9, as per drawing and H.P.P.W.D. technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	1875.00 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- ₹ 499969.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Nagrota Massal Rajhoon road Km 0/000 to 8/000 in Distt. Kangra (H.P.).
SUB HEAD :- Construction of Retaining wall in Km 6/105 to 6/125

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.	28.35	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.	126.95			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.	38.00			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.	12.80			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST:- ₹ 499638.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Nagrota Balhar Dhaloon road Km 0/000 to 9/600 in Dist. Kangra (H.P.), Under Telecom Deposit.
SUB HEAD :- Construction of Diversion to damaged culvert at RD 3/480

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.	98.15 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) nominal size in abutments/Toe walls and slab 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.	52.03 Cubic metres			Per cubic metre	
3	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot joined with stiff mixture of cement mortar in the proportion of 1:2 (one cement : two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	15.00 Running metres			Per running metre	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering. Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	15.18 Cubic metres			Per cubic metre	
5	Earth Filling in foundation trenches as per drawing and technical specification Clause 305.3.9, 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.	80.90 Cubic metres			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 288438.00
EARNEST MONEY :- Rs. 5800.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road from Ramehar Tangroti Dhalaon road Km 0/000 to 6/000 in Dist. Kangra (H.P.).
SUB-HEAD :- Improvement of formation deficiency in between Km 3/000 to 3/250 and construction of road side drain.

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 machines, 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 37.50 Cum (Thirty Seven point Fifty) cubic metres quantity at the rate of 300/- (Three Hundred) 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 and 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.	3 750.15 Cubic meters	4	5	6 Per cubic metre	7
2	Excavation work by mechanical means (Hydraulic excavator) manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and running of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as 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.	28.15 Cubic meters			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	35.12 Cubic meters			Per cubic metre	
TOTAL :-						

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


SCHEDULE OF QUANTITY

ESTIMATED COST :- RS. 443733.00
 EARNEST MONEY :- RS. 8900.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Special repair of Govt. Degree College at Nagrota Bagwan in Distt Kangra (H.P.). **Deposit Work.**
SUB-HEAD :- Providing and fixing wall tiles, floor tiles and other civil work etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	1	3	4	5	6	7
1	Providing and laying 16 to 20 mm (Sixteen to twenty millimeters) thick granite stone in flooring 20 mm (Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing, polishing and moulding single/double layer complete as per direction of Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	55.80 Square metres			Per square metre	
2	Providing and laying of Vitrified tiles in floor/wall/skirting with different sizes make Nitco/Rak/Simplo/K.ajaria with water absorption less than 0.08% (Zero point eight percent) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	33.60 Square metres			Per square metre	
3	Providing and fixing anodised/colour coated aluminium work (Shampion shade colour coated) for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	106.53 Kilograms			Per kilo-gram	
4	Providing and fixing 12mm (Twelve millimeters) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	10.80 Square metres			Per square metre	
5	Supplying and fixing plain glass 4mm (Four millimeters) thick glass panes with putty and nails including removal of broken glass panes wherever necessary complete and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	7.78 Square metres			Per square metre	
6	Providing and fixing Plythelene - Aluminium -Polyethylene (PE-AL-PE) composite pressure pipe Kitec /Kisan U.V. stabilized with carbon black conforming to IS-15450-2004 water supply including clamp at one metre spacing, cutting, fixing and making good the wall etc, but excluding the cost of fittings (internal work) pipes exposed on wall. Internal work-Exposed on walls, including filling the joints with approved adhesive complete including entire carriage of materials within all leads lifts and other incidentals.					
1	1216 (16mm (Sixteen millimeters) Outer diameters pipe	50.00 Running metres			Per running metre	
11	1620 (20mm (Twenty millimeters) Outer diameters pipe	50.00 Running metres			Per running metre	

7	Providing and fixing wall hung white vitreous china water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement 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 W.C. pan with ISI marked white solid plastic seat and lid conforming to IS : 7231 including necessary fitting complete as per direction Engineer-in-charge including carriage of material within all leads, lifts and other incidentals.	2.00 Numbers			Each	
8	Providing and fixing vitreous china wash basin with C.I. brackets, 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 required: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps etc, 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.	3 Numbers			Each	
9	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm nominal size respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : including necessary fitting complete and as per direction of Engineer-in-charge, including carriage of materials within all leads, lifts and other incidentals.	5 Numbers			Each	
10	Providing and fixing 600x300mm (Six hundred into three hundred millimetres) vitreous China Division Plate No-5011 for Urinals Cera/Hindware/Jaguar including necessary fitting 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.	4 Numbers			Each	
11	Providing and fixing 110x75mm (One hundred ten into seventy five millimeter) PVC floor trap including fixing with approved adhesive, cost of cutting and making good the wall and floors etcetera complete upto all floor level/height etc; 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.	2 Numbers			Each	
12	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera or its equivalent complete as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	5.00 Numbers			Each	
TOTAL :-						



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

Schedule of Quantity

NAME OF WORK :- Restoration of rain damages on link road from Kandi to Danoa via Bhorla in Distr. Kangra (H.P.).
SUB HEAD :- Providing Wire Crute protection work in various reaches between Km 3/930 to 4/000

ESTIMATED COST :- ₹ 499853.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT :- TWO MONTHS

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.	38.18 Cubic meters			Per cubic metre	
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 ± 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.	171.50 Cubic metres			Per cubic metre	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 494956.00
EARNEST MONEY :- ₹ 9900.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of P.G. Hostel in Dr. R.P.Govt. Medical College at Tanda in Distt. Kangra (H.P.) (Deposit work).

SUB-HEAD :- Balance work of Security Post i.e. Civil work and interlocking tiles etc;

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Excavation in foundation, trenches etc. in earth work in all classification of soil such as pick work, jumper work, pick jumper work, blasting work, jumper blasting work, soft and hard blasting and saturated soil, de-watering, including wedging out rocks where blasting work is prohibited, chiseling or any other mixed variety of soil, de-watering and/or removal of slush and incidentals, lift upto any heights, stacking the excavated soil not more than 3 mtrs (Three meters) clear from the edge of excavation and then returning the stacked soil in 15cm (Fifteen centimeter) layers, when required into plinths, sides of foundation etc; consolidating each deposited layer by ramming, watering and then disposing of all excavated earth and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	3 11.04 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying cement concrete 1:4:8 (One cement; four sand; eight graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size) mechanically mixed and curing complete including cost of forms work in foundation and plinth within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.06 Cubic metres			Per cubic metre	
3	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stones of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (One cement : Six sand : Twelve graded stone aggregate 20mm (Twenty millimetres) nominal size at plinth level in cement mortar 1:6 (One cement : Six sand) complete within all leads, lifts of materials and other incidentals.	8.13 Cubic metres			Per cubic metre	
4	Boulder filling dry hand packed under flooring including consolidation complete, as directed by the Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals.	1.63 Cubic metres			Per cubic metre	
5	Second class brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (One cement : Six coarse sand) : with F.P.S.(non modular) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	5.52 Cubic metres			Per cubic metre	
6	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 centering, shuttering strutting and propping etcetera, with wooden battens and batties for all heights 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, plasters, buttresses, plinth and string courses and the like complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	3.55 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
7	Providing form work with steel plates of 3.15mm (Three decimal one five 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/depth of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in Foundation footings, bases of columns and mass concrete complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	11.36 Square metres			Per square metre	
8	Providing form work with steel plates of 3.15mm (Three decimal one five 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/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 columns pillar posts and struts square rectangular polygonal in plan including mouldings, cornices etcetera complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	13.44 Square metres			Per square metre.	
9	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	2.81 Kilogram			Per kilo-gram	
10	Providing and laying cement concrete work 1:2:4 (One Cement : Two Sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in suspended floors, roofs, landings, shelves their supports balconies, beams, girder, bressumers and cantilevers and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	2.34 Cubic metres			Per cubic metre	
11	Providing and laying cement concrete work 1:2:4 (One Cement : Two Sand : Four graded crushed stone aggregate 20 mm (Twenty millimetres) nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in walls any thickness including attached buttresses, pilaster and their caps and bases and string courses etc; and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	0.09 Cubic metres			Per cubic metre	
12	15mm (Fifteen millimetres) thick cement plaster in single coat on rough side of brick/concrete/stone walls for interior plastering upto all floor levels including artises internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth with cement mortar 1:6 (One cement: six sand) within all leads, lifts of materials and other incidentals, as per approved drawing, design and as directed by the Engineer-in-Charge.	55.45 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1/3	Providing and laying 600x600 mm (Six hundred into six hundred millimetres) of size Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), make Nitco/Rak/Simplo/Kajaria with water absorption less than 0.08% (Zero point eight percent) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete as directed by the Engineer-In-Charge including carriage of materials within all leads, lifts and other incidentals.	6.58 Square metres			Per Square metre	
1/4	Providing and laying 16 to 20 mm (Sixteen to twenty millimetres) thick granite stone in flooring 20 mm (Twenty millimetres) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing, polishing and moulding single/double layer complete as per direction of Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	2.75 Square metres			Per Square metre	
1/5	Providing under layer for plinth protection of 75mm (Seventy five millimetres) thick(un-consolidated)bed of dry brick/stone aggregate 40mm (Forty millimetres) nominal sizes well rammed and consolidated and grouted with fine sand including preparation of ground complete and as per specifications, approved drawing, design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	8.64 Square metres			Per square metre	
1/6	Providing plinth protection 50mm (Fifty millimetres) thick cement concrete 1:3:6 (One cement: Three sand: Six graded crushed stone aggregate 20mm (Twenty millimetres) nominal size) including finishing the top surfaces of concrete smooth complete and as per specifications, approved drawing, design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	8.64 Square metres			Per square metre	
1/7	Providing and fixing anodised / colour coated 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, mired 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 fittingswhere 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	41.59 Kilo grams			Per kilo gram	
1/8	Providing and fixing 4mm (Four millimetres) thick glazing with glass panes in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens 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.) glazing with glass panes of 4mm thickness (weight not less than 10.00 kg/sqm. (Ten kilogram/squaremetres) complete and as directed by the Engineer-in-Charge, including entire carriage of material within all leads, lifts and other incidentals.	3.88 Square metres			Per square metre	

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
19	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors complete as per the direction of the Engineer-In-charge including making good the floors and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
20	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 5.5mm (Five point five millimetre) thickness (weight not less than 12.50 (Twelve point fifty) kg/ sqm) complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	3.36 Square metres			Per Square metre	
21	Providing and fixing anodized aluminium tower bolts (barrel type anodized transparent or dyed to required shade and colour with screws etc. Complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.					
i	200x10mm	1 Number			Each	
ii	250x10mm	2 Numbers			Each	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.					
i	125mm	2 Numbers			Each	
ii	100mm	8 Numbers			Each	
23	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete, as directed by the Engineer-in-Charge, including carriage of material within all leads, lifts and other incidentals.	2.31 Square metres			Per square metre	
24	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge (Only weight of grill to be measured for payment), 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.	3.36 Kilo-grams			Per kilo-gram	

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
25	Steel work welded in built up sections/trusses and 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.	1400.00 Kilogram			Per kilo-gram	
26	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating the fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessories as required and as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	37.78 Square metres			Per square metre	
27	Providing and fixing ridges or hips 60cm (Sixty centimeters) over all with 0.60mm (Zero point Sixty millimeters) thick prepainted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diameters with prepainted G.I. limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12.40 Running metres			Per running metre	
28	Providing and fixing M.S. B.P. Sheet 1.66mm to 2mm (One point sixty six to Two millimeters) 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), 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.	11.36 Square metres			Per square metre	
29	Providing and fixing 4mm (Four millimeters) thick E-Board (Embossed board) Ceiling of approved quality of ISI Mark including fixing to base frames with screws and clamps etc complete (frame work for base & cover fillets to be measured and paid for separately) and as per direction of the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	5.41 Square metres			Per square metre	
30	Applying J.K. White/Birda white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete, as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	24.74 Square metres			Per square metre	
31	Wall painting (Two coat) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly bushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for marking the surface complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	24.74 Square metres			Per Square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In Rs	In words		
32	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 lit/10 sqm (One point sixty seven litres/ten square metres) over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) (Two point twenty kilograms/ten square metres) complete as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	29.38 Square metres			Per Square metre	
7	Providing and laying 80mm (Eighty millimetres) thick cement concrete paver block of M-30 (M-Thirty) grade with approved color design and pattern factory made channeled edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking/roads etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, complete all as per direction of Engineer-in-Charge as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	111.00 Square metres			Per square metre	
TOTAL :-						


 Executive Engineer,
 HP PWD Division,
 Tanda at N/Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST:- ₹ 441141.00
EARNEST MONEY :- ₹ 8850.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of New 120 Nos. Girls Hostel in Dr. R.P.Govt. Medical College at Tanda in Distt. Kangra (H.P.) (Deposit work).
SUB-HEAD :- Balance work of Security Post i.e. Civil work etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Excavation in foundation, trenches etc. in earth work in all classification of soil such as pick work, jumper work, pick jumper work, blasting work, jumper blasting work, soft and hard blasting and saturated soil, de-watering, including wedging out rocks where blasting work is prohibited, chiseling or any other mixed variety of soil, de-watering and/or removal of slush and incidentals, lift upto any heights, stacking the excavated soil not more than 3 mtrs (Three meters) clear from the edge of excavation and then returning the stacked soil in 15cm (Fifteen centimeter) layers, when required into plinths, sides of foundation etc; consolidating each deposited layer by ramming, watering and then disposing of all excavated earth and as directed by the Engineer-in-Charge including cartage of materials within all leads, lifts and other incidentals.	3 11.04 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying cement concrete 1:4:8 (One cement, four sand; eight graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size) mechanically mixed and curing complete including cost of forms work in foundation and plinth within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.06 Cubic metres			Per cubic metre	
3	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stones of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (One cement : Six sand : Twelve graded stone aggregate 20mm (Twenty millimetres) nominal size at plinth level in cement mortar 1:6 (One cement : Six sand) complete within all leads, lifts of materials and other incidentals.	8.13 Cubic metres			Per cubic metre	
4	Boulder filling dry hand packed under flooring including consolidation complete, as directed by the Engineer-in-Charge including cartage of materials within all leads and lifts and other incidentals.	1.63 Cubic metres			Per cubic metre	
5	Second class brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (One cement : Six coarse sand) : with F.P.S.(non modular) complete as directed by the Engineer-in-charge including entire cartage of materials within all leads, lifts and other incidentals.	5.52 Cubic metres			Per cubic metre	
6	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimetres) thick, welded with angle iron in frames of 30x30x3mm(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 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 complete as directed by the Engineer-in-charge including entire cartage of materials within all leads, lifts and other incidentals.	3.55 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
		3	4	5	6	7
7	Providing form work with steel plates of 3.15mm (Three decimal one five 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 batties for all heights/depth of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in Foundation footings, bases of columns and mass concrete complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	11.36 Square metres			Per square metre	
8	Providing form work with steel plates of 3.15mm (Three decimal one five 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 batties 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 columns pillar posts and struts square rectangular polygonal in plan including mouldings, cornices etcetera complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	13.44 Square metres			Per square metre.	
9	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	2.81 Kilogram			Per kilo-gram	
10	Providing and laying cement concrete work 1:2:4 (One Cement : Two Sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in suspended floors, roofs, landings, shelves their supports balconies, beams, girders, brassumers and cantilevers and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	2.34 Cubic metres			Per cubic metre	
11	Providing and laying cement concrete work 1:2:4 (One Cement : Two Sand : Four graded crushed stone aggregate 20 mm (Twenty millimetres) nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in walls any thickness including attached buttresses, pilaster and their caps and bases and string courses etc; and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	0.09 Cubic metres			Per cubic metre	
12	15mm (Fifteen millimetres) thick cement plaster in single coat on rough side of brick/concrete/stone walls for interior plastering upto all floor levels including arses internal rounded angles, chanfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth with cement mortar 1:6 (One cement: six sand) within all leads, lifts of materials and other incidentals. as per approved drawing, design and as directed by the Engineer-in-Charge.	55.45 Square metres			Per square metre	

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
13	Providing and laying 600x600 mm (Six hundred into six hundred millimetres) of size Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), make Nitco/Rak/Simplo/Kajaria with water absorption less than 0.08% (Zero point eight percent) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete as directed by the Engineer-In-Charge including carriage of materials within all leads, lifts and other incidentals.	6.58 Square metres			Per Square metre	
14	Providing and laying 16 to 20 mm (Sixteen to twenty millimetres) thick granite stone in flooring 20 mm (Twenty millimetres) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing, polishing and moulding single/double layer complete as per direction of Engineer-in- Charge including carriage of materials within all leads, lifts and other incidentals.	2.75 Square metres			Per Square metre	
15	Providing under layer for plinth protection of 75mm (Seventy five millimetres) thick(un-consolidated)bed of dry brick/stone aggregate 40mm (Forty millimetres) nominal sizes well rained and consolidated and grouted with fine sand including preparation of ground complete and as per specifications, approved drawing, design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	8.64 Square metres			Per square metre	
16	Providing plinth protection 50mm (Fifty millimetres) thick cement concrete 1:3:6 (One cement: Three sand: Six graded crushed stone aggregate 20mm (Twenty millimetres) nominal size) including finishing the top surfaces of concrete smooth complete and as per specifications, approved drawing, design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	8.64 Square metres			Per square metre	
17	Providing and fixing anodised / colour coated 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, milled and jointed mechanically where over required including cleast angle, aluminium, snap heading 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.	41.59 Kilo grams			Per kilo gram	
18	Providing and fixing 4mm (Four millimetres) thick glazing with glass panes in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In-charge (cost of aluminium snap heading shall be paid in basic item.) glazing with glass panes of 4mm thickness (weight not less than 10.00 kg/sqm. (Ten kilogram/squaremetres) complete and as directed by the Engineer-in-Charge, including entire carriage of material within all leads, lifts and other incidentals.	3.88 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
19	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS 6315) for aluminium door including cost of cutting floor as required embedding in floors complete as per the direction of the Engineer-In-charge including making good the floors and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
20	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 5.5mm (Five point five millimetre) thickness (weight not less than 12.50 (Twelve point fifty) kg/ sqm) complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	3.36 Square metres			Per Square metre	
21	Providing and fixing anodized aluminium tower bolts (barrel type anodized transparent or dyed to required shade and colour with screws etc. Complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
i	200x10mm	1 Number			Each	
ii	250x10mm	2 Numbers			Each	
22	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
i	125mm	2 Numbers			Each	
ii	100mm	8 Numbers			Each	
23	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete, as directed by the Engineer-in-Charge, including carriage of material within all leads, lifts and other incidentals.	2.31 Square metres			Per square metre	
24	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge (Only weight of grill to be measured for payment), 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.	3.36 Kilo-grams			Per kilo-gram	

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
25	Steel work welded in built up sections/trusses and 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.	1400.00 Kilogram			Per kilo-gram	
26	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.					
i	50x12 mm	250 Running metres			Each	
ii	50x20 mm	250 Running metres			Each	
27	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating the fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessories as required and as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	37.78 Square metres			Per square metre	
28	Providing and fixing ridges or hips 60cm (Sixty centimeters) over all with 0.60mm (Zero point Sixty millimeters) thick prepainted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diameters with prepainted G.I. limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12.40 Running metres			Per running metre	
29	Providing and fixing M.S. B.P Sheet 1.66mm to 2mm (One point sixty six to Two millimeters) 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), 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.	11.36 Square metres			Per square metre	
30	Providing and fixing 4mm (Four millimeters) thick E-Board (Embossed board) Ceiling of approved quality of ISI Mark including fixing to base frames with screws and clamps etc complete (frame work for base & cover fillets to be measured and paid for separately) and as per direction of the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	5.41 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1		3	4	5	6	7
31	Applying J.K. White/Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete, as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	24.74 Square metres			Per square metre	
32	Wall painting (Two coat) with plastic emission paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly bushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for marking the surface complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	24.74 Square metres			Per Square metre	
33	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 lit/10 sqm (One point sixty seven litres/ten square metres) over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) (Two point twenty kilograms/ten square metres) complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	29.38 Square metres			Per Square metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

NAME OF WORK :-

Repair of various Hostel at Dr. RFGMC Tanda in Tehsil Nagrota Bagwan in Dist. Kangra (H.P.)

SUB-HEAD :-

Providing and fixing WS & SI etcetra

ESTIMATED COST :- Rs. 499984.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : TWO MONTHS

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing 15mm (Fifteen millimetres) nominal bore to wall ceiling and floor galvanised mild steel tubes (heavy grade) tube fitting and clamps including making good the wall, ceiling and floor as per specification approved drawing, design and as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	60.00 Running metre			Per Running metre	
2	Providing and fixing 20mm (Twenty millimetres) nominal bore to wall ceiling and floor galvanised mild steel tubes (heavy grade) tube fitting and clamps including making good the wall, ceiling and floor as per specification approved drawing, design and as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	40.00 Running metre			Per Running metre	
3	Providing and fixing vitreous china wash down water closet (European type W.C. pan) of Hindware /Cera/parry/ware or equivalent make including jet pressure with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (One cement : One sand) (seat and cover to be measured and paid for separately) Anglo Indian Universal closet 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.	15 Numbers			Each	
4	Providing and fixing 100mm size 'P' or 'S' trap Cera or its equivalent for water closet (squatting pan) including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement : 1 sand) Sand cast iron 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.	15 Numbers			Each	
5	Providing and fixing vitreous china water closet squatting pan orissa type W.C. Pan No. 20090 size of 58x44cm (Fifty eight into forty four centimetre) of Hindware/Cera/Jaguar of star white/snow white shade (earth work, bed concrete, foot rest and trap to be measured and paid for separately) 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.	5 Numbers			Each	

6	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan 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.	15 Numbers			Each	
7	Providing solid plastic seat cover with lid for pedestal type W.C. pan 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.	15 Numbers			Each	
8	Providing and fixing vitreous china wash basin flat back of size 45x30cm (Forty five into thirty centimetre) including making all connections but excluding the cost of fittings including entire carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	30 Numbers			Each	
9	Providing and fixing vitreous china wash basin of Cera / Hindware / Jaguar of Snow white/star white shade of size 60x45cm (Sixty into forty five centimetre) with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same without pedestal and fittings including entire carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	30 Numbers			Each	
10	Providing and fixing 32mm (Thirty two millimetres) diameters CP Brass waste pipe for wash basin or sink including brass check nut including PVC waste fitting 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.	75 Numbers			Each.	
11	Providing and fixing 100mm (One hundred millimetres) sand cast iron grating of Superior quality of Jaquar/Hindware/Cera/ESS ESS/1al for gully, floor or Nahni trap 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.	98 Numbers			Each.	
12	Providing and fixing flat back 600x450mm (Six hundred into Four hundred fifty millimetre) nominal size bevelled edge mirror or superior glass of Modiguard/Saint Gobian mounted on 6mm (Six millimetre) thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. brass screws and washers including necessary fitting 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	65 Numbers			Each	

13	Providing and fixing 600x20mm (Six hundred into Twenty millimetre) C.P. brass Towel rail ISI marked IS No. 8934 of Jai/ESS/Jaguar complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws etcetera including entire carriage of material within all leads, lifts and other incidentals, as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	30 Numbers			Each	
14	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with CP brass screws 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	30 Numbers			Each	
15	Providing and fixing 15mm (Fifteen millimetre) dia long body brass bib tap (Superior or heavy type) of Jaguar/Hardware/Cera including necessary fitting complete as per specifications and entire carriage of material within all leads lifts and other incidentals, and as directed by the Engineer-in-charge.	30 Numbers			Each	
16	Providing and fixing 15mm (Fifteen millimetre) nominal bore CP brass bib tap with capstan head (heavy duty) of Jaguar/Hardware/Cera including necessary fitting complete as per specifications and entire carriage of material within all leads lifts and other incidentals, and as directed by the Engineer-in-charge.	40 Numbers			Each	
17	Providing and fixing 15mm (Fifteen millimetre) diameter CP brass angle valve without nuts and pipes with necessary fitting complete as per specifications including entire carriage of material within all leads lifts and other incidentals, and as directed by the Engineer-in-charge.	40 Numbers			Each	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- 499230.00
EARNEST MONEY :- 10000.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Special repair to Interns Road at Dr, R.P. Govt. Medical College Tanda in Dist. Kangra (H.P.)

SUB-HEAD :- Providing and laying R.C.C. Chakka from Girls Hostel to Boys Hostel.

S. No	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Providing and laying cement chakka in 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20 mm (Twenty millimetre) nominal size and curing complete including providing and laying tor steel 8 mm (Eight millimetre) dia @ 6.5 cm (Six point five centimetre) c/c in longitudinal direction and 20 cm (Twenty centimetre) c/c in cross direction including form work and the cost of steel reinforcement of size 0.90 (Zero Point Ninty) to 1.00 mtr. (One point Zero Zero metre) in length 0.30 mtr. (Zero point Thirty metre) width and 7.0 (seven point zero zero) 7.5 cm (Seven point five centimetre) thickness to lay over ducts complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	1072 Numbers			Each	
TOTAL :-						

Executive Engineer,
HP PWD Division,
Tanda at N/Bagwan.

Schedule of Quantity

ESTIMATED COST :- ₹ 313466.00
EARNEST MONEY :- ₹ 6300.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Ramchar Tangroti Dhaloon road Km 0/000 to 6/000 in Distt. Kangra (H.P.)
SUB HEAD :- Construction of Retaining wall in Km 2/500 to 2/510 and construction of road side drain at RD 2/500 to 2/600

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and running of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	22.15 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	35.15 Cubic metres			Per cubic metre	
3	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.	36.23 Cubic metres			Per cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	18.00 Running metres			Per running metre	
5	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	11.15 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- ₹ 316195.00
EARNEST MONEY :- ₹ 6350.00
TIME LIMIT : TWO MONTHS

NAME OF WORK : Construction of link road from Radh Usthar Lilly Daulatpur road Km 0/000 to 5/000 in Dist Kangra (HP)
SUB HEAD : Construction of 900mm dia Hume Pipe culvert at RD 3/950 and both side Retaining wall (D/S)

S. No.	Description of Items	Qty	Rate		Unit	Amount
			In fig	In words		
1	Excavation work by mechanical means (Hydraulic excavatory) manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metres) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m (fifty meters), dressing of sides and bottom and backfilling in trenches with excavated suitable material as directed by the Engineer-In-charge, including carriage of materials within all leads lifts and other incidentals.	3			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	3.02			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-In-charge including carriage of materials within all leads, lifts and other incidentals.	11.44			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-In-charge including carriage of material within all leads, lifts and other incidentals.	5.00			Per running metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (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.	50.12			Per cubic metre	
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-In-charge including carriage of materials within all leads, lifts and other incidentals.	24.00			Per running metre	
7	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.	8.82			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

Name of Work:- Special Repair to 500 Bedded Hospital at Dr. R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan, Distt. Kangra (H.P.)
Sub Head:-Dismantling tile , Repair of plaster , Floor Tile, wall tile, , Etc.W.S & S.Lin Children ,OBG, Ortho,Surgical,Medicine ward Duct. (PART-I)

ESTIMATED COST:- Rs. 445267.00
EARNEST MONEY :- Rs. 8910.00
TIME LIMIT : THREE MONTHS

Sr. No	Description Of Item	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.41 Cubic metres			Per Cubic metre	
2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead 75 to 80 mm dia pipe complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	27.50 Running metres			Per Running metre	
3	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.	63.75 Square metres			Per Square metre	
4	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 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals	1.30 Cubic metres			Per Cubic metre	
5	Providing and laying Vitrified tiles in floor with / Nitco/ Rak/ Simpolo/ Kajaria of 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, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals	9.40 Square metres			Per Square metre	
6	Providing and laying Vitrified tiles in / Nitco/ Rak/ Simpolo/ Kajaria 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 thickness, including grouting of joints (Payment for grouting of joints to be made separately). complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals	3.12 Square metres			Per Square metre	
7	Providing and fixing anodised / colour coated 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, mited 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 fittingswhere 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-Incharge including earriage of materials within all leads, lifts and other incidentals.	35.60 Kilograms			Per Kilogra m	

8	Providing and fixing anodised / colour coated 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, mired 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	36.40	Kilograms			Per Kilogram	
9	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	300x16mm size (Three hundred into sixteen millimetres)nominal size	5.00	Numbers			Each	
ii	250x16mm(Two hundred fifty into sixteen millimetres) nominal size	5.00	Numbers			Each	
10	Providing and fixing anodized aluminium towe bolt (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.						
i	250x10mm (Two hundred fifty into ten millimetres)nominal size	5.00	Numbers			Each	
ii	200x10mm (Two hundred into ten millimetres)nominal size	5.00	Numbers			Each	
11	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	125mm (One hundred twenty five millimetres) nominal size	5.00	Numbers			Each	
ii	100mm (One hundred millimetres) nominal size	5.00	Numbers			Each	
12	Providing and fixing door hinges complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers			Each	
13	P/F 12mm mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer- in-charge. Pre-laminated particle board with decorative lamination on both sides complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	3.10	Square metres			Per Square metre	
14	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 3.5 mm (three epoint five millimetre) thickness (weight not less than 12.50 kg/ sqm) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	1.40	Square metres			Per Square metre	
15	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 complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	640.10	Kilograms			Per kilogram	

16	Providing and fixing 6mm (Six millimetre) thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillers to be measured and paid for separately) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	130.40	Square metres	Per Square metre	
17	Providing and laying 15 to 20 mm (fifteen to twenty millimeters) thick granite stone in flooring 20 mm (Fifteen to Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete.. all complete as specified and as directed by the Engineer-in-Charge Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	0.40	Square metres	Per Square metre	
18	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) With F.P.S (non modular) bricks complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	0.30	Cubic metres	Per cubic metre	
19	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 gap for thermal expansion, (i) Single socketed pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	100mm dia pipes	34.40	Running metres	Per running metre	
ii	150mm dia pipes	154.10	Running metres	Per running metre	
20	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals..				
i	single tee	15.00	Numbers	Each	
ii	bend	15.00	Numbers	Each	
21	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.	140.15	Square metres	Per Square metre	
22	Painting two coats (excluding priming coat) on new wood and wood based surface under coat with enamel and finishing coating with flat oil paint, brushing to give an even shade including cleaning of all dirt, dust and other foreign matter, sand papering and stopping:- With paint other than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	74.50	Square metres	Per Square metre	
23	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 as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	74.50	Square metres	Per Square metre	
24	Wall painting (Two coat) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly bushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for marking the surface complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	74.50	Square metres	Per Square metre	

W.S. & S.I.					
25	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 as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	15mm nominal bore	75.00	Running metres	Per running metre	
ii	20mm nominal bore	60.20	Running metres	Per running metre	
ii	25mm nominal bore	5.00	Running metres	Per running metre	
26	Providing and fixing 550x400mm (Five thousand fifty into four hundred millimetre) size vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and marking good the same but excluding fittings complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers	Each	
27	Providing and fixing 580x440 mm (Five hundred eighty into four hundred forty millimetre) white vitreous china water closet squatting pan (Indian type) Orissa pattern W.C. pan of size complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers	Each	
28	Providing and fixing 100mm size 'P' or 'S' trap for water closet (squatting pan) including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement : 1 sand) Sand cast iron complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	Each	
29	Providing solid plastic seat cover with lid for pedestal type W.C. pan complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers	Each	
30	Providing 100mm sand cast iron grating for gully, floor or Nahni trap complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	20.00	Numbers	Each	
31	Providing 32mm dia C.P. brass waste pipe for wash basin or sink complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	10.00	Numbers	Each	
32	Providing 32mm dia M.I. Union for wash basin or sink complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	14.00	Numbers	Each	
33	Providing 600 x 450mm (Six hundred into Four hundred fifty millimetre) 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.	4.00	Numbers	Each	
34	Providing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with CP brass screws complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers	Each	
35	Providing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	Each	
36	Providing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	Each	

37	Providing C.P. brass bib tap with capstan head (Heavy duty) Cera, Jaquar and Hindware complete and as per direction of Engineer-in-charge, including carriage of materials within all leads, lifts and other incidentals.				
i	15mm (Fifteen millimetres) nominal bore	4.00	Numbers	Each	
ii	20mm (Twenty millimetres) nominal bore	4.00	Numbers	Each	
38	Providing C.P. brass angle valve 15mm without nuts and pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers	Each	
39	Providing 15mm nominal bore PVC connection with brass unions. 300/450mm length: complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	10.00	Numbers	Each	
40	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White: complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers	Each	
41	Providing Chromium plated jet spray of approved quality and colour with one metre tube complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers	Each	
42	Providing and fixing vitreous china wash down water closet (European type W.C. Pan) Hind-ware, cera, party, ware or equivalent make including jet pressure with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement: one sand) seat and cover to be measured and paid for separately) Angle Indian Universal closet complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	Each	
43	Providing and fixing 600mm x 120mm glass shelf C.P. Brass bracket and guard rail complete, fixed to wooden plugs with C.P. Brass screws complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	10.00	Numbers	Each	
44	Providing and fixing PTMT pillar cock Hind-ware, cera fancy of approved quality and colour 15 complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	Each	
45	Providing 600mm x 20mm (Six hundred into twenty millimetre) nominal size C.P. Brass Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws: complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6.00	Numbers	Each	
46	Providing brass full way valve with wheel complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	15mm (Fifteen millimetre)	4.00	Numbers	Each	
ii	20mm (Fifteen millimetre)	4.00	Numbers	Each	
Total:-					


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

Schedule of Quantity

ESTIMATED COST :- ₹ 295826.00
EARNEST MONEY :- ₹ 5950.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Nagrota Balidhar Dhaloon road Km 0/000 to 9/000 in Distt. Kangra (H.P.).
SUB-HEAD :- Construction of Retaining wall in Km 1/800 to 1/810

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.	18.15 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (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.	75.00 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.	25.00 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.	7.08 Cubic metres			Per cubic metre	
TOTAL :-						

Executive Engineer,
HP PWD Division,
Tanda at N/Bagwan.