

**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 **31.10.2023** 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 **30.10.2023** up to **4:00 P.M.** and the application for issue of tender form shall be received on **27.10.2023** up to **12:00 noon.** The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1.	Construction of link road from Mehta Basti Chowk to Gujjar Basti via Mehta Basti in Gram Panchayat Balugaloa in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road (M-20) grade in Km 0/100 to 0/140).	295246/-	5950/-	Three months
2.	Restoration of rain damages on link road from Kandi Rihri Luhna Har 0/000 to 15/000 in Distt Kangra (HP) (SH:-Formation cutting in Km 1/810 to 2/030).	498640/-	10000/-	One month
3.	Restoration of rain damages on Nagrota Massal Rajhoon road Km 0/000 to 8/000 in Distt Kangra (HP) (SH:-Construction of retaining wall in Km 0/075 mtr 0/080 and cement concrete pusta in Km 1/300 to 1/350).	304645/-	6100/-	Two months
4.	Restoration of rain damages on link road from Radh Ustehar Daulatpur Km 0/000 to 5/000 in Distt Kangra (HP) (SH:-Construction of cement concrete berms and road side drain at various reaches between in Km 0/000 to 5/000).	499868/-	10000/-	Two months
5.	Construction of Culvert near House of Shri Anurudh in Gram Panchayat Rajian in Distt Kangra (HP) (SH:-Construction of 2.00mtr span reinforced cement concrete slab culvert (Deposit work)	193635/-	3900/-	Two months
6.	Construction of Pucca path from culvert to Govt. Primary School at Rajiana in Distt Kangra (HP) (Deposit work) (SH:-Construction of Edge wall and cement concrete pavement road)	114767/-	2300/-	Two months
7.	Special repair to 500 Bedded Hospital at Dr R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan Distt Kangra (HP) (SH:-Repair of plaster P/F Aluminium work etc; WS & SI in Surgery ward & Ortho ward duct).	360994/-	7250/-	Two months
8.	Special repair to 500 Bedded Hospital at Dr R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan Distt Kangra (HP) (SH:-Repair of plaster, P/F Aluminium work etc; WS/SI in Children ward OBG ward duct).	455404/-	9150/-	Two months
9.	Special repair to Rajiv Gandhi Govt. Engineering College Kangra at Nagrota Bagwan in Distt Kangra (HP) Deposit work (SH:-Providing and applying painting /patching work etc; in road side boundary wall).	236512/-	4750/-	Two months
10.	Restoration of rain damages on link road from Chhughera Kandi road Km 0/000 to 20/000 in Distt Kangra (HP) (SH:-Improvement of road width by providing retaining wall in wire crates work at RD 5/465 to 5/485).	479779/-	9600/-	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-

Dated/

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)

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

Schedule of Quantity

ESTIMATED COST: - ₹ 295246.00
 EARNEST MONEY :- ₹ 5950.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road from Mehta Basti Chowk to Gujar Basti via Mehta Basti in Gram Panchayat Balugalooa in Distt. Kangra (H.P.)
SUB HEAD :- Providing and laying cement concrete pavement road (M-20) grade in Km 0/100 to 0/140

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	51.98 Cubic meters			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST:- ₹ 498640.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT :- ONE MONTH

NAME OF WORK :- Restoration of rain damages on link roiad from Kandi Rihri Luhna Har 0/000 to 15/000 in Distt Kangra (HP)

SUB-HEAD :- Formation cutting in Km 1/810 to 2/030

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Excavation in hilly area in all heights and depths and in all kind of soil by manual/mechanical means including saturated soil comprising of ordinary soil, soft rock, hard rock, chiseling, wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required lines, grades, cutting and trimming of side slopes and level as shown in the drawing and as directed by engineer-in-charge at site according to the MORD technical specification clause 302, 1603.1 and 1603.2 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of road and transportation of un-useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling, fine dressing and carriage of machineries, materials, tools, equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour if required. Recovery of stone to the tune of <u>63.33 Cum (Sixty Three point Thirty Three) cubic metres quantity at the rate of 300/- (Three Hundred)</u> per cubic metre shall be effected from the contractor's running bills on pro-rata basis as per actual quantity executed. Any loss to the public, private property during the course of execution shall be the absolute responsibility of the contractor, which shall have to be compensated by him in all cases.	3116.50 Cubic meters	4	5	6 Per cubic metre	7


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 304645.00
EARNEST MONEY :- Rs. 6100.00
TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Nagrota Massal Rajhoon road Km 0/000 to 8/000 in Distt. Kangra (H.P.)
SUB-HEAD :- Construction of Retaining wall in Km 0/075 into 0/080 and Cement Concrete Pusta in Km 1/300 to 1/350

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	8.35 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	17.90 Cubic metres			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:4:8 (One Cement : Four coarse sand : Eight graded stone aggregate 40 mm (Forty 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.	57.17 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.	7.00 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.	3.25 Cubic metres			Per cubic metre	
TOTAL :-						

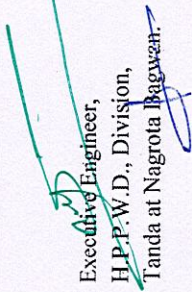

Executive Engineer,
H.P.W.D. Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST :- ₹ 499868.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain drains on link road from Radh Ustehar Daulatpur Km 0/000 to 5/000 in Distt. Kangra (H.P.)
 SUB-HEAD :- Construction of cement concrete berms and road side drain at various reaches between in Km 0/000 to 5/000

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation 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 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.	45.89 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	27.28 Cubic metres			Per cubic metre	
3	Providing and laying 450mm (Four hundred fifty millimetre) dia half round NP2 class R.C.C. pipes for drainage purpose fixed over a bed of cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size bedding 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.	110.25 Running metre			Per running metre	
4	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	16.88 Cubic metres			Per cubic metre	
5	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 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.	33.75 Cubic metres			Per cubic metre	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- ₹ 193635.00
 EARNEST MONEY :- ₹ 3900.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of Culvert near House of Shri Anurudh in Gram Panchayat Rajiana in Distt. Kangra (H.P.)
 SUB-HEAD :- Construction of 2.00 mtrs span Reinforced Cement Concrete slab culvert. (Depot Work)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead 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.	13.12 Cubic metres			Per cubic metre	
1	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	1.17 Cubic metres			Per cubic metre	
2	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 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.	19.63 Cubic metres			Per cubic metre	
2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : - 1:1.5:3 (One cement : One and Half coarse sand): Three graded stone aggregate 20mm (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.	3.12 Cubic metres			Per cubic metre	
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more 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.	542.40 Kilograms			Per running metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- ₹ 114767.00
 EARNEST MONEY :- ₹ 2300.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of Pucca Path from Culvert to Govt. Primary School at Rajiana in Distt. Kangra (H.P.) DEPOSIT WORK.

SUB-HEAD :- Construction of Edge wall and Cement Concrete Pavement road.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead 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.	6.15 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	11.40 Cubic metres			Per cubic metre	
3	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 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.	26.00 Running metres			Per running metre	
4	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	4.50 Cubic metres			Per cubic metre	
5	Construction of embankment with approved materials obtained from borrow pits with a lift upto 1.5m (One point five meters) transport to sill spreading grading to required slope and compacted to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000m (One thousand meters) as per Technical Specification Clause 301.5, as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	9.00 Cubic metres			Per cubic metre	

6	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	3.60 Cubic metres			Per cubic metre
7	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	7.88 Cubic meters			Per cubic metre
TOTAL :-					


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

Schedule of Quantity

ESTIMATED COST :- Rs. 360994.00
 EARNEST MONEY :- Rs. 7250.00
 TIME LIMIT : TWO MONTHS

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:- Repair of plaster, P/F Aluminium Work etc. W/S/S.I in Surgery ward & ortho ward duct.

Sr. No	Description Of Item	Quantity	Rate		Unit	Amount
			In fig	In words		
1	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.	20.40 Square metres			Per Square metre	
2	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 raw/plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames.For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of 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.	14.60 Kilograms			Per Kilogram	
3	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 raw/plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames.For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	20.10 Kilograms			Per Kilogram	
4	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 5.5 mm (Fiv 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.	5.70 Square metres			Per Square metre	

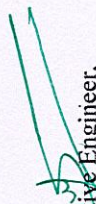
5	providing and laying Vitrified tiles in floor with / Nitco/ Rak/ Simpulo/ Kajaria of different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, 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 (six hundred xsix hundred) complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4.20	Square metres	Per Square metre
6	Providing and laying Vitrified tiles in / Nitco/ Rak/ Simpulo/ Kajariadifferent sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) 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 and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals	74.10	Square metres	Per Square metre
7	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 fillets 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.	10.50	Square metres	Per Square metre
8	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	4.00	Numbers	Each
ii	250x16mm(Two hundred fifty into sixteen millimetres) nominal size	4.00	Numbers	Each
9	Providing and fixing anodized aluminium tow bolt (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.			
i	250x10mm (Two hundred fifty into ten millimetres)nominal size	4.00	Numbers	Each
ii	200x10mm (Two hundred into ten millimetres)nominal size	4.00	Numbers	Each
10	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
11	Providing and fixing chromium plated brass sliding door bolts with nuts and screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.			
i	300x16mm	4.00	Numbers	Each

ii	250x16mm		4.00	Numbers		Each	
12	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.		20.10	Kilograms		Per kilogram	
13	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.		75.50	Square metres		Per Square metre	
14	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.		60.80	Square metres		Per Square metre	
15	Painting two coats (excluding priming coat on new concrete masonry/plaster surfaces with readymixed paint brushing for use on floors to give an even shade including cleaning the surface of all dirt,dust and other foreign matter and sand papering as required 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.		80.15	Square metres		Per Square metre	
16	Painting two coat (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter with ready mixed paint than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.		34.60	Square metres		Per Square metre	
17	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.		70.50	Square metres		Per Square metre	
18	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc 2nd class teak wood 50 x 20 mm. complete complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.		125.60	Runing metres		Per Runing 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) 6.00 Kgs (Six point zero zero kilogram) Single socketed pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	75 mm nominal bore		5.00	Running metres		Per running metre	
ii	110 mm nominal bore		4.00	Running metres		Per running metre	

20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete 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.					
ii	25 mm nominal bore	18.00	Running metres		Per running metre	
i	32 mm nominal bore	15.00	Running metres		Per running metre	
	W.S. & S.I.					
21	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	2.00	Running metres		Per running metre	
ii	20mm nominal bore	4.00	Running metres		Per running metre	
22	Providing and fixing vitreous china wash down water closet (European type W.C. Pan) Hind-ware, cera, patty, 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.	7.00	Numbers		Each	
23	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.	7.00	Numbers		Each	
24	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.	3.00	Numbers		Each	
25	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.	7.00	Numbers		Each	
26	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings Flat back wash basin of size 450x300 mm complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers		Each	
27	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.	1.00	Numbers		Each	

28	Providing 32mm dia rubber plug for sink/wash basin complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers			Each
29	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
30	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.	10.00	Numbers			Each
31	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.	14.00	Numbers			Each
32	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.	14.00	Numbers			Each
33	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.	14.00	Numbers			Each
34	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.	14.00	Numbers			Each
35	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.	18.00	Numbers			Each
36	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- Incharge, including carriage of materials within all leads, lifts and other incidentals.	15.00	Numbers			Each
37	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- Incharge, including carriage of materials within all leads, lifts and other incidentals.	14.00	Numbers			Each
38	Providing C.P. brass bib tap with capstan head (Heavy duty) Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) nominal bore	2.00	Numbers			Each
ii	20mm (Twenty millimetres) nominal bore	2.00	Numbers			Each
39	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.	4.00	Numbers			Each
40	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.	7.00	Numbers			Each
41	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
42	Providing and fixing brass ball valve (horizontal plunger type):- High pressure with polythene plastic floats complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	15mm (Fifteen millimetre)	4.00	Numbers		Each
ii	20mm (Fifteen millimetre)	4.00	Numbers		Each
43	Providing and fixing PTMT Coloured / white high density polyethylene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, siphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and overflow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers		Each
44	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.	7.00	Numbers		Each
45	Providing and fixing PTMT pillar cock of approved quality and colour. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	15mm (Fifteen millimetre)	9.00	Numbers		Each
ii	20mm (Fifteen millimetre)	9.00	Numbers		Each
46	Providing and fixing 15mm (Fifteen millimetre) C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers		Each
47	Supplying 15 mm (Fifteen millimetre) nominal bore brass bib cock of approved quality complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	5.00	Numbers		Each
Total:-					


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

Schedule of Quantity

ESTIMATED COST :- Rs. 455404.00
EARNEST MONEY :- Rs. 9150.00
TIME LIMIT : TWO MONTHS

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:- Repair of plaster, P/F Aluminium Work etc. W.S/S.1 in children ward OBG ward duct.

Sr. No	Description Of Item	Quantity	Rate		Unit	Amount
			In fig	In words		
1	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.	30.20 Square metres			Per Square metre	
2	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 rawlplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames. For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings/panelling shall be paid for separately) 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.	30.40 Kilograms			Per Kilogram	
3	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 rawlplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. For doors windows, ventilators and glazed partitions frames. For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	20.10 Kilograms			Per Kilogram	
4	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 5.5 mm (Five point 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.	5.70 Square metres			Per Square metre	

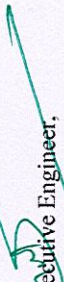
5	Providing and laying Vitrified tiles in floor with / Nitco/ Raki/ Simpola/ Kajaria of different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, 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 (six hundred xsix hundred) complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	16.50	Square metres		Per Square metre
6	Providing and laying Vitrified tiles in / Nitco/ Raki/ Simpola/ Kajaria of different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) 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 and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals	98.40	Square metres		Per Square metre
7	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 fillets 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.	15.60	Square metres		Per Square metre
8	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	12.00	Numbers		Each
ii	250x16mm (Two hundred fifty into sixteen millimetres) nominal size	12.00	Numbers		Each
9	Providing and fixing anodized aluminium towel bolt (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.				
i	250x10mm (Two hundred fifty into ten millimetres) nominal size	10.00	Numbers		Each
ii	200x10mm (Two hundred into ten millimetres) nominal size	10.00	Numbers		Each
10	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	9.00	Numbers		Each
ii	100mm (One hundred millimetres) nominal size	7.00	Numbers		Each
11	Providing and fixing chromium plated brass sliding door bolts with nuts and screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	300x16mm	7.00	Numbers		Each
ii	250x16mm	7.00	Numbers		Each

12	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.	40.20	Kilograms		Per kilogram
13	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.	80.15	Square metres		Per Square metre
14	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.	60.80	Square metres		Per Square metre
15	Painting two coats (excluding priming coat) on new concrete masonry/plaster surfaces with readymixed paint brushing for use on floors to give an even shade including cleaning the surface of all dirt, dust and other foreign matter and sand papering as required 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.	80.15	Square metres		Per Square metre
16	Painting two coat (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter with ready mixed paint than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	34.60	Square metres		Per Square metre
17	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	70.50	Square metres		Per Square metre
18	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc 2nd class teak wood 50 x 20 mm. complete complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	125.60	Running metres		Per Running 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) 6.00 Kgs (Six point zero zero kilogram) Single socketed pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.				
i	75 mm nominal bore	5.00	Running metres		Per running metre
ii	110 mm nominal bore	4.00	Running metres		Per running metre
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete 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.				
ii	25 mm nominal bore	18.00	Running metres		Per running metre
i	32 mm nominal bore	15.00	Running metres		Per running metre

W.S. & S.I.							
21	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	2.00	Running metres			Per running metre	
ii	20mm nominal bore	4.00	Running metres			Per running metre	
22	Providing and fixing vitreous china wash down water closet (European type W.C. Pan) Hind-ware, 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 (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.	7.00	Numbers			Each	
23	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.	7.00	Numbers			Each	
24	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.	3.00	Numbers			Each	
25	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.	7.00	Numbers			Each	
26	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings Flat back wash basin of size 450x300 mm complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers			Each	
27	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.	1.00	Numbers			Each	
28	Providing 32mm dia rubber plug for sink/wash basin complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers			Each	
29	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	
30	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.	10.00	Numbers			Each	
31	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.	14.00	Numbers			Each	
32	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.	14.00	Numbers			Each	

33	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.	14.00	Numbers		Each	
34	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.	14.00	Numbers		Each	
35	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.	18.00	Numbers		Each	
36	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- Incharge, including carriage of materials within all leads, lifts and other incidentals.	15.00	Numbers		Each	
37	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- Incharge, including carriage of materials within all leads, lifts and other incidentals.	14.00	Numbers		Each	
38	Providing C.P. brass bib tap with capstan head (Heavy duty) Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) nominal bore	2.00	Numbers		Each	
ii	20mm (Twenty millimetres) nominal bore	2.00	Numbers		Each	
39	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.	12.00	Numbers		Each	
40	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.	15.00	Numbers		Each	
41	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	
42	Providing and fixing brass ball valve (horizontal plunger type):- High pressure with polythene plastic floats complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetre)	4.00	Numbers		Each	
ii	20mm (Fifteen millimetre)	4.00	Numbers		Each	

43	Providing and fixing PTMT Coloured / white high density polyethylene / poly propylene 10 litres capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, siphon, 15mm nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and overflow pipe, 40mm dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	9.00	Numbers			Each
44	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.	7.00	Numbers			Each
45	Providing and fixing PTMT pillar cock of approved quality and colour: complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetre)	9.00	Numbers			Each
ii	20mm (Fifteen millimetre)	9.00	Numbers			Each
46	Providing and fixing 15mm (Fifteen millimetre) C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	25.00	Numbers			Each
47	Supplying 15 mm (Fifteen millimetre) nominal bore brass bib cock of approved quality complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	5.00	Numbers			Each
Total:-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 479779.00
 EARNEST MONEY :- ₹ 9600.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Chhughera Kandi road Km 0/000 to 20/000 in Distt Kangra (HP)
SUB-HEAD :- Improvement of road width by providing Retaining wall in wire crates work at RD 5/465 to 5/485

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	52.50 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One cement : Four coarse sand : Eight 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.	30.00 Cubic metres			Per cubic metre	
3	Providing and making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of $\pm 2\%$) Zinc coated, Mesh wire diameter 3.0 mm (Three point zero millimetres), mechanically edged/selvedged with partitions at every 1m (One metre) interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	125.00 Cubic metres			Per cubic metre	
4	Filling available excavated earth (excluding rock) intranches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer -in - charge as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	46.80 Cubic metres			Per cubic metre	
TOTAL :-						


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

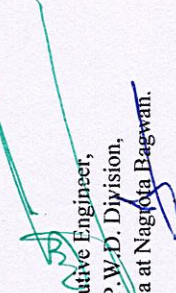
SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 236512.00
 EARNEST MONEY :- ₹ 4750.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair to Rajiv Gandhi Govt. Engineering College Kangra at Nagrota Bagwan in District Kangra, (H.P.). **DEPOSIT WORK.**

SUB-HEAD :- Providing and applying painting/patching work etc; in road side boundary wall.

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc; complete and as per drawing and HP.PWD technical specifications, 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.	681.48 Square metres			Per Square metre	
2	Providing and applying white cement based putty of Birla / JK average thickness 1mm (One millimetres) of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete upto all floor level 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.	1077.80 Square metres			Per square metre	
3	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface complet 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.	2155.60 Square metres			Per square metre	
4	Painting with synthetic enamel paint One or more coats on old workof approved brand and manufacture of required colour to give an even shade 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.	159.15 Square metres			Per square metre	
TOTAL :-						


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