

**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 **08.01.2024** up to **11:00 A.M.** And the same shall be opened on the same day at **04:00 P.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **06.01.2024** up to **4:00 P.M** and the application for issue of tender form shall be received on **05.01.2024** up to **12:00** noon. The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1.	Special repair to residential building in Dr RPGMC at Tanda in Distt Kangra (HP) (SH:-Providing and fixing PVC water tank including accessories etc; in various Qtrs Type-I, II, III & IV).	484819/-	9700/-	Two months
2.	Restoration of rain damages on link road from Chhughera Kandi road Km 0/000 to 20/000 in Distt Kangra (HP) (SH:- Construction of retaining wall in wire crate work at RD 5/485 to 5/500).	209745/-	4200/-	Two months
3.	Special repair to 500 Bedded Hospital in Dr RPGMC at Tanda in Distt Kangra (HP) (SH:-Painting and Distempering in Surgical female ward I & ward II)	418136/-	8400/-	Two months
4.	Construction of Examination Hall for Govt. Primary School at Baroh in Gram Panchayat Danoa in Distt Kangra (HP) (SH:-Construction of Building portion(DC Deposit work)	499998/-	10000/-	Two months
5.	Special repair to Anatomy Block in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-C/O Ramp & C/O Handicapped Bathroom in Anatomy Block).	202253/-	4050/-	Two months
6.	Special repair to Satluj Hostel in Dr R.P. Govt. Medical College at Tanda in Tehsil & Distt Kangra (HP) Deposit work (SH:-Painting and Distempering in various room).	206860/-	4150/-	Two months
7.	Special repair of Govt. Primary Health Centre at Dhaloon in Tehsil Nagrota Bagwan Distt Kangra (HP) Deposit work (SH:-Repair of existing building Civil work including water supply and sanitary installation etc;) (Balance work)	124831/-	1550/-	Two months
8.	Construction of Helipad at Nagrota Bagwan (Massal) in Distt Kangra (Himachal Pradesh) (SH:-Balance work of Helipad i.e. Providing and laying Grading -III Bituminous Macadam and Bituminous concrete (Deposit work)	499945/-	10000/-	Three months
9.	Restoration of rain damages on various roads under HP PWD Sub-Division Nagrota Bagwan in Distt Kangra (HP) (SH:- Construction of road parapets etc;)	312101/-	6250/-	Three months
10.	Restoration of rain damages on link road from Malan Ambari Kawari road Km 0/000 to 6/600 in Distt Kangra (HP) (SH:- Construction of U-Shape drain in between Km 1/820 to 1/900).	127194/-	2550/-	Two months

11.	Construction of Rajpoot Bhawan at Bhadrehar in Tehsil Nagrota Bagwan in Distt Kangra (HP) Deposit work (SH:- Construction of building portion only.)	344967/-	6900/-	Three months
12.	Special repair to Rajiv Gandhi Govt. Engineering College Kangra at Nagrota Bagwan in District Kangra (HP) Deposit work (SH:-Balance work of repair of plastering painting and other repair of civil work etc; in Trainees hostel & dormer of all blocks).	319706/-	6400/-	Two months
13	Special repair to Paraclinic Block in Dr R.P.G.M.C Tanda Distt Kangra (HP) (SH:-Dismantling tile, repair of plaster, floor tile, wall tile, etc; WS & SI in Paraclinic block Centre Duct)	485991/-	9750/-	Two months

Terms & Conditions:-)

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

HIMSUCHANA AVAM & JAN SAMPARK

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

(On behalf of Governor of Himachal Pradesh)

No.PW/NBD/TA/Tender/NIT/2023-24-

12800-29

Dated/ 26-12-2023

Copy to the following for information and necessary action:-

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

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 484819.00
 EARNEST MONEY: - Rs. 9700.00
 TIME LIMIT: - TWO MONTHS

NAME OF WORK :- Special Repair to Residential Building in Dr. RPGMC at Tanda in Distt. Kangra (H.P.).

SUB-HEAD :- Providing and Fixing PVC Water Tank including accessories etc; in various Qtrs Type-I, II, III & IV

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Cera or its equivalent approved quality tube fitting and clamps including making good the wall, ceiling and floor as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i)	15mm (Fifteen milimetres) nominal bore	25.00			Per running metre	
		Running metres				
ii)	20mm (Twenty milimetres) nominal bore	135.00			Per running metre	
		Running metres				
2	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 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i)	25mm (Twenty five milimetres) nominal bore	40.00			Per running metre	
		Running metres				
ii)	20mm (Twenty milimetres) nominal bore	35.00			Per running metre	
		Running metres				
3	Providing and fixing brass full way valve with wheel:-TATA JINDAL. complete and complete as directed by the Engineer-Incharge including entire carriage of materials within all leads, lifts and other incidentals.					
i)	15mm (Fifteen milimetres) nominal bore	4.00			Each	
		Numbers				
ii)	20mm (Twenty milimetres) nominal bore	39.00			Each	
		Numbers				
4	Providing and fixing M.I. Union for wash basin or sink ISI make complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i)	32mm (Thirty two milimetres) diametres	14			Each	
		Numbers				
ii)	25mm (Twenty five milimetres) nominal bore	10.00			Each	
		Numbers				
iii)	20mm (Twenty milimetres) nominal bore	12.00			Each	
		Numbers				
iv)	15mm (Fifteen milimetres) nominal bore (G.I. Nipples)	39.00			Each	
		Numbers				

5	Providing and fixing 20mm (Twenty millimetres) nominal bore CP brass gate full way valve with wheel:-TATA JINDAL, complete and complete as directed by the Engineer-Incharge including entire carriage of materials within all leads, lifts and other incidentals.	40.00			Each	
		Numbers				
6	Providing and fixing 500 litres(Five hundred) net capacity tank PVC water storage tank of ISI : 9001 : 2008 marked, Activa (JAI BHARAT, SINTEX) five layer G.I. inlet and outlet connection, 15mm (Fifteen millimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all height above ground level. complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	12			Each	
		Numbers				
7	Providing and fixing 1000 litres(one thousand) net capacity tank PVC water storage tank of ISI : 9001 : 2008 marked, Activa (JAI BHARAT, SINTEX) five layer G.I. inlet and outlet connection, 15mm (Fifteen millimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all height above ground level. complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	16			Each	
		Numbers				
8	Providing and fixing 2000 litres(two thousand) net capacity tank PVC water storage tank of ISI : 9001 : 2008 marked, Activa (JAI BHARAT, SINTEX) five layer G.I. inlet and outlet connection, 15mm (Fifteen millimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all height above ground level. complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	5			Each	
		Numbers				
9	Providing and fixing 5000 litres(five thousand) net capacity tank PVC water storage tank of ISI : 9001 : 2008 marked, Activa (JAI BHARAT, SINTEX) five layer G.I. inlet and outlet connection, 15mm (Fifteen millimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all height above ground level. complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	1			Each	
		Numbers				
TOTAL : -						

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

Schedule of Quantity

ESTIMATED COST: - Rs. 209745.00
 EARNEST MONEY: - Rs. 4200.00
 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 (H.P.)

SUB HEAD :- Construction of Retaining wall in wire crate work at RD 5/485 to 5/500

S. No.		Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	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.	78.13 Cubic metres			Per cubic metre	
2	Filling available excavated earth (excluding rock) intrenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge.as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	13.50 Cubic metres			Per cubic metre	
TOTAL :-						

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

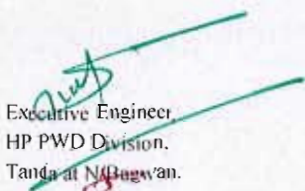
SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 418136.00
 EARNEST MONEY: - Rs. 8400.00
 TIME LIMIT: - TWO MONTH

NAME OF WORK :- Special Repair to 500 Bedded Hospital in Dr. RPGMC at Tanda in Distt. Kangra (H.P)

SUB-HEAD :- (Painting and Distemping in Surgical female Ward I & Ward- II.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	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- Incharge, including carriage of materials within all leads, lifts and other incidentals .	1845.32 Square metres			Per square metre	
2	Applying 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.	1845.32 Square metres			Per square metre	
3	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface complete as directed by the Engineer Incharge including carriage of materials within all leads, lifts and other incidentals.	2095.60 Square metres			Per square metre	
4	painting with synethic enamel paint of approved brand and manufacture of required colour to give an even shade complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2645.42 Square metres			Per square metre	
TOTAL :-						


 Executive Engineer
 HP PWD Division.
 Tanda at N/Bugwan.

SCHEDULE OF QUANTITY


ESTIMATED COST: - ₹ 499998.00
 EARNEST MONEY: - ₹ 10000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK: - Construction of Examination Hall for Govt. Primary School at Baroh in Gram Panchayat Danao in Distt. Kangra (H.P.)

SUB-HEAD: - Construction of Building portion. (DC DEPOSIT WORK).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns pillar posts and struts square rectangular polygonal in plan including mouldings, cornices etc; within all leads, lifts of materials and other incidentals as per 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.	64.32 Square metres			Per square metre	
2	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 beams cantilevers girders lintels window sills, cornices, arches corbelling including eurved surfaces where ever required sides and soffits of beams haunchings cantilevers bressumers and lintels upto all depths including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications, entire satisfaction and as directed by the Engincer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	93.24 Square metres			Per square metre.	
3	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 flat surfaces such as soffits of suspended floors roofs, landings windows sills, cornices, arches, moulding, corbelling including curved surfaces where ever required as per Architectural drawing, design and specifications and the like floor etcetera including carriage of material within all leads, lifts and other incidentals 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.	145.08 Square metres			Per square metre	
4	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimetres) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimetres), so as to give a fair finish including centring, shuttering strutting and propping etcetera, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in edges of slab and breaks in floors and walls under any thickness including carriae of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	6.23 Running metres			Per running metre	
5	Providing and laying in position maehine batched and machine mixed cement concrete work of grade M-20 (M-Twenty) reinforced cement concrete work, using cement contents not less than @ 320 kg/cum (Three bundred twenty kilogram per cubic metre) or as per approved design mix for All works above plinth level to all floor level to give a smooth surfaces mechanically mixed and vibrated including curing complete and pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability complete including carriage of material within all leads, lifts and other incidentals as per approved drawing, design, specifications and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	32.50 Cubic metres			Per cubic metre	
6	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding, straightning and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	2354.94 Kilo-grams			Per kilo-gram	

7	Providing and fixing 100mm (One hundred millimetres) dia pipes on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetre) thick gap for thermal expansion, (i) Single socketed pipes complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	12.00 Running metres			Per Running metre	
8	Providing and fixing 100mm (One hundred millimetres) dia PVC plain bend on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetres) gap for thermal expansion, (i) Single socketed pipes complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	4 Numbers			Each	
9	Providing and fixing 110mm (One hundred ten millimetres) diametres PVC Collar ISI marked including filling the joints with approved adhesive complete, as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	4 Numbers			Each	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 202253.00
 EARNEST MONEY : - ₹ 4050.00
 TIME LIMIT :- TWO MONTHS

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

SUB-HEAD :- (C/O Ramp & C/O Handicapped Bathroom in anotmy block.)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres (Fifty metres) lead as per direction of Engineer - In - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) complete as per direction of Engineer-In- Charge including carriage of materials within all leads, lifts and other incidentals.	0.84 Cubic metres			Per Cubic metre	
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.(i/c equivalent design mix complete as per direction of Engineer-In- Charge including carriage of materials within all leads, lifts and other Incidentals.	28.58 Square metres			Per Square metre	
3	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 per direction of Engineer-In- Charge including carriage of materials within all leads, lifts and other incidentals.	1.60 Cubic metres			Per Cubic 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 (Twenty millimetres) nominal size) complete as per direction of Engineer-In- Charge including carriage of materials within all leads, lifts and other Incidentals.	0.74 Cubic metres			Per Cubic metre	
5	15mm thick cement plasters in single coat on rough side of brick/concrete/stone walls for interior plastering upto all floor level including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm in girth and finished even and smooth with cement mortar 1:6 (1 cement: 6 sand) upto floor two level complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	41.70 Square metres			Per Square metre	
7	Providing and laying Vitrified tiles in floor with / Nitco/ Raki/ Simpolo/ Kajaria of any size 400x400mm (Four hundred into four hundred millimetre) with water absorption less than 0.00% 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	7.44 Square metres			Per Square metre	
8	Providing and laying Vitrified tiles in / Nitco/ Raki/ Simpolo/ Kajaria of any size 300x300mm (Three hundred into Three hundred millimetre), 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	32.55 Square metres			Per Square metre	
9	Providing and fixing anodised/coloured coated aluminium work 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 doors windows and ventilators and glazed partitions frames. All complete as per architectural drawings and as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	28.40 Kilograms			per kilogram	
10	Providing and fixing anodised/coloured coated aluminium work 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 as per architectural drawings and as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	26.80 Kilograms			Per kilo-gram	
11	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. completed including entire carriage of materials within all leads, lifts and other Incidentals					
i)	300x16mm size (Three hundred into sixteen millimetres) nominal size	2.00 Numbers			Each	
ii)	250x16mm(Two hundred fifty into sixteen millimetres) nominal size	2.00 Numbers			Each	

12	Providing and fixing 300x10mm (Three hundred into ten millimetres) aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.				
i)	300x10mm (Three hundred into sixteen millimetres) nominal size	2.00		Each	
		Numbers			
ii)	250x16mm (Two hundred fifty into sixteen millimetres) nominal size	2.00		Each	
		Numbers			
13	Providing and fixing aluminium handles anodized transparent or dyed to required colour or shade with necessary screws 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.				
i)	125mm (One hundred twenty five millimetres) nominal size	2.00		Each	
		Numbers			
ii)	100mm (One hundred millimetres) nominal size	2.00		Each	
		Numbers			
14	Providing and fixing 100mm (One hundred millimetres) bright finished brass door stopper with rubber cushion screws etc to suit shutter thickness complete and as per direction of the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	1.00		Each	
		Numbers			
15	Providing and fixing 12mm (Twelve millimetres) thick prelaminate 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 the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	2.10		Per square metre	
		Square metres			
17	Providing and fixing 110mm (One hundred ten millimetres) dia pipes on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetres) gap for thermal expansion, (1) Single socketed pipes complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	4.00		Per Running metre	
		Running metres			
18	Providing and fixing Single tee with door 75x75x75 mm (Seventy five into seventy five into seventy five millimetres) including necessary fitting complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	2		Each	
		Number			
19	Providing and fixing Single tee without door 75x75x75 mm (Seventy five into seventy five into seventy five millimetres) including necessary fitting complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	2		Each	
		Number			
20	Providing and fixing Coupler 110 mm (One hundred ten millimetres) including necessary fitting complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	2		Each	
		Numbers			
21	Providing and fixing Bend 110 mm (One hundred ten millimetres) including necessary fitting complete and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	2		Each	
		Numbers			
22	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	30.69		Per Square metre	
		Square metres			
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 carriage of materials within all leads, lifts and other incidentals.	30.69		Per Square metre	
		Square metres			
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 carriage of materials within all leads, lifts and other incidentals.	30.69		Per Square metre	
		Square metres			
25	Providing and fixing to wall ceiling and floor galvanised mild steel tubes ((Superior or heavy type) TATA, JINDAL, RAVINDRA or its equivalent approved quality tube fitting and clamps including making good the wall, ceiling and floor complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.				
i	15mm (Fifteen millimetres) nominal bore	2.00		Per Running metre	
		Running metres			
ii	20mm (Twenty millimetres) nominal bore	2.00		Per Running metre	
		Running metres			

27	Providing and fixing 100mm (One hundred millimetres) diametres C.P. brass grating for gully floor or Nahni trap ISI make as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other Incidentals.	4.00			Each	
		Numbers				
28	Providing and fixing wash basin with C.I. brackets 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	1.00			Each	
		Numbers				
29	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other Incidentals.	2.00			Each	
		Numbers				
30	Providing and fixing 32mm (Thirty two millimetres) diametres M.I. Union for wash basin or sink ISI make complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other Incidentals.	4.00			Each	
		Numbers				
33	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws Cera or its equivalent as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other Incidentals.	2.00			Each	
		Numbers				
34	Providing and fixing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera or its equivalent as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other Incidentals.	2.00			Each	
		Numbers				
35	Providing and fixing 15mm (Fifteen millimetres) dia C.P. brass pillar 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.	1.00			Each	
		Numbers				
36	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera or its equivalent complete as directed by the Engineer-In-Charge, including carriage of materials within all leads, lifts and other Incidentals.	4.00			Each	
		Numbers				
37	Providing and fixing P.V.C connection 300x450mm (Three hundred into four hundred fifty millimetres) length with check nut and brass union complete and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other Incidentals.	4.00			Each	
		Numbers				
38	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	2.00			Each	
		Numbers				
41	Providing and fixing 600x120mm (Six hundred into One hundred twenty millimetres) glass shelf with C.P. brass. (Heavy duty makes) brackets and guard rail complete fixed to wooden plugs with C.P. brass screws as directed by the Engineer- in-Charge including carriage of materials within all leads, lifts and other Incidentals.	2.00			Each	
		Numbers				
43	Providing and fixing 600x20mm (Six hundred into Twenty millimetres) size C.P. Brass Towel rail Cera or its equivalent complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	1.00			Each	
		Numbers				
44	Providing and fixing crane wall hung wash basin with cat No. S2040159 pillar taps, 32 mm (Thirty two millimetres) waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required White Vitreous China Wash basin size 665x545x190 mm with a pair of 15 mm C.P. brass pillar taps complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.00			Each	
		Number				
45	Providing and fixing plastic seat (Solid/Hollow type) and cover Cera, Jaquuar and Hindware for wash down water closet with C.P. Brass hinges and rubber buffers Cat No. S1013200 One piece EWC S Trap 300mm with Cat No. B1520118 soft close seat cover complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.00			Each	
		Numbers				
47	Providing and fixing wash basin with C.I. brackets, 15 mm (Fifteen millimetres) C.P. brass pillar taps, 32 mm (Thirty five millimetres) C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: Stainless Steel AISI-304(18/8) Round basin 405x355 mm (Four hundred five into three hundred fifty five millimetres) with single 15 mm (Fifteen millimetres) C.P. brass pillar tap complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.00			Each	
		Numbers				
48	Providing and fixing U-Shaped hand rail wall mounted rail with hinge 600x100mm nominal size Cat No. B2210107 including necessary fitting complete make Cera/ Hindware etc; complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.00			Each	
		Numbers				
49	Providing and fixing hand rail wall mounted rail without hinge 600x100mm nominal size Cat No. B2210102 including necessary fitting complete make Cera/ Hindware etc; complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.00			Each	
		Numbers				
50	Providing and fixing Cat No. B2210108 bottle trap (32mm nominal size) diameters hinged hand rail 750x100mm paper holder and approved quality & make and as per the direction of Engineer-in-charge. 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.	1.00			Each	
		Numbers				
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 206860.00


EARNEST MONEY: - ₹ 4150.00

TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair to Satluj Hostel in Dr. R.P.Govt. Medical College at Tanda in Tehsil & Distt. Kangra (H.P.) Deposit work

SUB-HEAD :- Painting and Distempering in various room.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etcetra complete complete as per arehitectural drawings 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.	1799.05 Square metres			Per Square metre	
2	Providing and applying white cement based putty of Birla / JK average thickness 1mm (One millimetres) thick, 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.	719.62 Squarc metres			Per square metre	
3	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for making the surface complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	1799.05 Square metres			Per square metre	
4	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 with paint other then white as directed by the Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals	237.60 Square metres			Per square metre.	
5	Painting two coats (excluding priming coat)on new steel and other metal surface under coat with ready mixed paint brusing to give an even shade including eleaning the surface all dirt, dust and other foreign matter with white readymixed paintcomplete and as directed by the Engineer-in-Charge within all leads, lifts of materials and other incidentals	134.40 Square metres			Per square metre	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 124831.00
 EARNEST MONEY : - ₹ 1550.00
 TIME LIMIT : TWO MONTHS

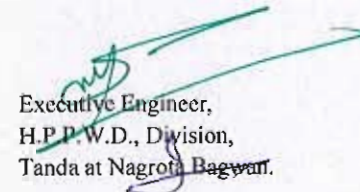
NAME OF WORK:- Special repair of Govt. Primary Health Centre at Dhaloon in Tehsil Nagrota Bagwan, Distt Kangra (HP) Deposit work.

SUB HEAD:- Repair of existing building in Civil work including water supply and sanitary installation etc; (Balance Work)

Sr. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing anodised /colour coated aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections/appropriate Z sections and other sections as approved Hindal Co., Jindal Indian Aluminum Co. 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 dash fasteners of required dia and size, and screws or with fixing clips, or with expansion hold fasteners including necessary filling up the gaps at junctions, at top, bottom and sides with required EPDM rubber/ neoprene gasket etcetera. 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 upto any floor level/height all complete for doors windows and ventilators and glazed partitions frames as per architectural drawings (Glazing, paneling and dash fasteners to be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) 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.	100.00 Kilograms			Per kilo-gram	
2	Providing plinth protection with 60mm (Sixty millimetre) thick interlocking paver/cement concrete paver block with 23cm (Twenty three millimetre) dia half round stone ware pipe for drainage pupose fixed on 1:4:8 (One cement; four sand; eight graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size and curing complete as per direction of Engineer-in-charge complete.including entire carriage of materials within all leads, lifts and other incidentals	17.25 Square metres			Per square metre	
3	Providing and fixing 15mm (Fifteen millimetre) Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & 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.	10.00 Running metres			Per running metre	
4	Providing and fixing 75mm (Seventy five millimetres) nominal bore/diameters (Bend) 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 (Ten millimetres) gap for thermal expansion complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	3 Numbers			Each	
5	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550x400 mm (Five hundred fifty into four hundred millimetre) with a pair of 15 mm C.P. brass pillar taps including necessary fitting complete and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	1 Number			Each	

1	2	3	4	5	6	7
6	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings including necessary fitting complete and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	1 Number			Each	
7	Providing and fixing White Vitreous china Orissa pattern W.C. pan of size 580x440 mm (Five hundred eighty into four hundred forty millimetre) with integral type foot rests water closet squatting pan (Indian type W.C. pan) with 100 mm (One hundred millimetre) sand cast Iron P or S trap, 10 litre (Ten) low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required complete and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	1 Number			Each	
8	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing eistern & 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 complete and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	1 Number			Each	
9	Providing and fixing 610x460 mm (Six hundred ten into four hundred sixty millimetre) bowl depth 20. Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : complete and as directed by the Engineer-in-Charge including earriage of materials within all leads, lifts and other incidentals .	1 Number			Each	
10	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS:8931 : complete as per direction of Engineer-in-charge complete.including entire carriage of materials within all leads, lifts and other incidentals	5 Number			Each	
11	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms complete as per direction of Engineer-in-charge complete.including entire earriage of materials within all leads, lifts and other incidentals	6 Number			Each	
12	Providing and fixing 10 litre capacity - coloured P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures 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.	2 Number			Each	
13	Providing and fixing 8 mm (Eight hundred millimetre) dia C.P. / S.S. Jet with flexible tube upto 1 metre (One metre) long with S.S. triangular plate to Eueorean type W.C. of quality and make as approved by Engineer - in - charge 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.	1 Number			Each	
14	Providing and fixing 100mm (One hundred millimetre) dia inlet and 75mm (Seventy five millimetre) outlet trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905 including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	3 Numbers			Each	

1	2	3	4	5	6	7
15	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, Sintex IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank 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.	500.00 Litres			Each	
16	Providing and fixing 75 mm (Seventy five millimetre) diameter 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 and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	10.00 Running metres			Each	
TOTAL :-						


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

SCHEDULE OF QUANTITY


ESTIMATED COST: - ₹ 499945.00
 EARNEST MONEY : - ₹ 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK: - Construction of Halipad at Nagrota Bagwan (Massal) in Distt. Kangra (Himachal Pradesh).

SUB HEAD: - Balance work of Halipad i.e. providing and laying Grading-III, Bituminous Macadam and Bituminous Concrete (DEPOSIT WORK).

S. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of size 53mm to 22.4mm (Fifty three millimeter to Twenty two point four millimeter) Grading-III size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	11.72 Cubic metres			Per cubic metre	
2	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface with hydraulic brooms and spraying primer at the rate of 0.70-1.0 kg/sqm (Zero point seven zero to one point zero Kilogramme per square metre) using mechanical means as per Technical Specification Clause 502, as per the direction of Engineer-Incharge including entire carriage of materials within all leads, lifts and other incidentals	625.00 Square metres			Per square metre	
3	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity complete and as per drawing and HPPWD technical specification and as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	24.30 Cubic metres			Per cubic metre	

1	2	3	4	5	6	7
4	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface and cleaning with mechanical broom On W.B.M / W.M.M. @ 0.4kg/sqm (Zero point four kilogram per square metre) complete and as per drawing and HPPWD technical specification and as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	625.00 Square metres			Per square metre	
5	Providing and laying 30mm (Thirty milimetres) thick bituminous concrete with 100-120 TPH batch type HMP (Hot Mix Plant) producing an average output of 75 tonnes (Seventy five) tonne per hour using crushed aggregates of specified grading, premixed with bituminous binder VG-10 (Viscosity grade-Ten) @ 5.5% (Five point Five) percent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 509 complete and as per drawing and HPPWD technical specification and as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	18.75 Cubic metres			Per cubic metre	
					Total :-	


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 312101.00
EARNEST MONEY: - Rs. 6250.00
TIME LIMIT : THREE MONTHS

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 :- Construction of road side parapets etc;

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 ineidentals.	18.96 Cubie meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement conerete 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.	76.65 Cubie metres			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 127194.00
 EARNEST MONEY :- Rs. 2550.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Malan Ambari Kawari road Km 0/000 to 6/600 in Distt. Kangra (H.P.)

SUB-HEAD :- Construction of U-Shape drain in between Km 1/820 to 1/900

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	43.20			Per cubic metre	
		Cubic meters				
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.	25.20			Per cubic metre	
		Cubic metres				
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 344967.00
EARNEST MONEY :- ₹ 6900.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Rajpoot Bhawan at Bhadrehar in Tehsil Nagrota Bagwan, Distt. Kangra (H.P.) Deposit work
SUB-HEAD :- Construction of Building Portion only.

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 a any lead and 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.	48.46 Cubic metres			Per cubic metre	
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete and 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.	2.44 Cubic metres			Per cubic metre	
3	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm (Five centimetre to twenty centimetre) nominal size in recharge pit, in the required thickness and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	3.67 Cubic metres			Per cubic metre	
4	Providing form work with steel plates of 3.15mm (Three decimal one five millimetre) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimetre), 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 including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, entire satisfaction and as directed by the Engineer-in-charge.	31.20 Square metres			Per square metre	
5	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns pillar posts and struts square rectangular polygonal in plan including mouldings, cornices etc; within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	28.80 Square metres			Per square metre.	
6	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in beams cantilevers girders lintels window sills, cornices, arches corbelling including curved surfaces where ever required sides and soffits of beams haunchings cantilevers bressumers and lintels upto all depths within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	47.02 Square metres			Per square metre.	
7	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in Flat surfaces such as soffits of suspended floors roofs, landings windows sills, cornices, arches, moulding, corbelling including curved surfaces where ever required as per Architectural drawing and the like floor etc. within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	40.66 Square metres			Per square metre	
8	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in work in edge of slab and breaks in floors and walls under any thickness within all leads, lifts of materials and other incidentals. as per approved drawing, design and as directed by the Engineer-in-Charge.	29.44 Running metres			Per running metre	

9	Providing and laying cement concrete 1:4:8 (One cement : Four sand :Eight graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) mechanically mixed and curing complete excluding 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.	3.37 Cubic metres			Per cubic metre	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (One cement : Two coarse sand) : Four graded stone aggregate 20mm (Twenty millimetres) nominal size and curing 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.	7.76 Cubic metres			Per cubic metre	
11	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level upto all floor level, excluding cost of centering, shuttering, finishing and reinforcement : 1:2:4 (One cement : Two coarse sand) : Four graded stone aggregate 20mm (Twenty millimetres) nominal size and curing 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.	2.16 Cubic metres			Per cubic metre	
12	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level upto all floor level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (One cement : Two coarse sand) : Four graded stone aggregate 20mm (Twenty millimetres) nominal size and curing 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.	11.43 Cubic metres			Per cubic metre	
13	Providing and laying cement concrete 1:6:12 (One cement; Six sand; Twelve graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) mechanically mixed and curing complete excluding 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.	10.06 Cubic metres			Per cubic metre	
14	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking out joints in 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.	1.26 Cubic metres.			Per cubic metre.	
15	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding, cutting, straightening and placing in position complete including cost of binding wires complete upto all floor levels as per specifications, approved drawing, design, as per entire satisfaction of the Engineer-in-charge including carriage of material within all leads, lifts and other incidentals.	1031.35 Kilo grams			Per kilo-gram	
				TOTAL :-		

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 319706.00
EARNEST MONEY: - ₹ 6400.00
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:- Balance work of repair of plastering, painting and other repair of civil work etc; in *Trainees Hotel & Dormitory (all Bldgs)*

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.	1720.05 Square metres			Per Square metre	
2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters with cement mortar 1:4 (One cement : Four fine sand) 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 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	81.90 Square metres			Per Square metre	
3	Providing and applying white cement based putty of Birla / JK white 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.	860.03 Square metres			Per square metre	
4	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 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.	1838.41 Square metres			Per square metre	
5	Providing and fixing plain M.S. B.P. sheet 1.66mm to 2mm (One decimal sixty six millimeter to Two milimetres) thick 16 gauge eaves board/facia/soffits/ceiling including cutting, fixing in position complete (frame work is to be measured and paid for separately within all leads, lifts of materials and other. incidentals. as per approved drawing, design and as directed by the Engineer-in-Charge	10.80 Square metres			Per square metre	
6	Wall painting (One and more coats) with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour complete and as per drawing and HP.PWD technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	473.58 Square metres			Per square metre	
7	Painting with synthetic enamel paint One or more coats on old work of 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.	137.78 Square metres			Per square metre	
8	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	325.60 Square metres			Per square metre.	
9	Providing and fixing 3.50mm (Three point five zero millimetre) thick glass panes glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete of approved brand and manufacture including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	15.19 Square metres			Per square metre.	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST: - Rs. 485991.00
 EARNEST MONEY : - Rs. 9750.00
 TIME LIMIT : TWO MONTHS

Name of Work:- Special Repair to Paraclinic Block in Dr.R.P.G.M.C. TANDA. Distt Kangra (H.P.).

Sub Head:- Dismantling tile, Repair of plaster, Floor Tile, wall tile, etc.W.S & S.I. in Paraclinic Block Center Duct.

(Part-I)

Sr. No	Description Of Item	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in- Charge.	24.30 Square metres			Per Square metre	
2	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead all complete as per direction of Engineer-in- Charge.					
i	75 mm (Seventy five millimetres) dia	70.00 Running metres			Per running metre	
ii	110mm (One hundred ten millimetres) dia	56.00 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.	28.60 Square metres			Per Square metre	
4	Second class Half brick work using common burnt clay building bricks in super-structure upto all floor level in cement mortar 1:4 (One cement: Four sand) curing complete within all heights leads, lifts of material and other incidentals, as per specifications, approved drawing, design and as directed by the Engineer-in-Charge.	5.60 Square metres			Per Square metre	
5	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 per direction of Engineer-In-Charge including entire carriage of materials within all leads, lifts and other incidentals.	1.20 Cubic metres			Per cubic metre	
6	providing and laying Vitrified tiles in floor with / Nitco/ Raki/ Simpola/ Kajaria of different sizes, 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- Incharge, including carriage of materials within all leads, lifts and other incidentals	60.50 Square metres			Per Square metre	
7	Providing and laying Vitrified tiles in / Nitco/ Raki/ Simpola/ Kajariadifferent sizes 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- Incharge, including carriage of materials within all leads, lifts and other incidentals	32.40 Square metres			Per Square metre	

8	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 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.	32.20	Kilograms			Per Kilogram	
9	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.	15.40	Kilograms			Per Kilogram	
10	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.	0.90	Square metres			Per Square metre	
11	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 aluminum 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.	2.40	Square metres			Per Square metre	
12	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 milimetres) nominal size	12.00	Numbers			Each	
ii	250x16mm (Two hundred fifty into sixteen milimetres) nominal size	12.00	Numbers			Each	

13	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- Incharge, including carriage of materials within all leads, lifts and other incidentals.					
i	250x10mm (Two hundred fifty into ten milimetres)nominal size	10.00	Numbers		Each	
ii	200x10mm (Two hundred into ten milimetres)nominal size	10.00	Numbers		Each	
14	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					
i	125mm (One hundred twenty five milimetres) nominal size	6.00	Numbers		Each	
ii	100mm (One hundred milimetres) nominal size	6.00	Numbers		Each	
15	Providing and laying 15 to 20mm (Fifteen to Twenty millimeters) thick granite stone in flooring 20mm (Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete and as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	0.40	Square metres		Per Square metre	
16	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.	114.10	Kilograms		Per kilogram	
17	Brick work with common burnt clay modular bricks of class designation 7.5 (Seven point five) in foundation and plinth in: Cement mortar 1:4 (One cement : Four coarse sand) 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.	1.20	Cubic metres		Per cubic metre	
18	Providing and fixing 6mm (Six millimeters) thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) . complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.56	Square metres		Per Square metre	
19	Providing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5.5 mm thick glass panes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	1.50	Square metres		Per Square metre	
20	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.	104.30	Square metres		Per Square metre	
21	.Applying 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.	104.30	Square metres		Per Square metre	
22	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.	104.30	Square metres		Per Square metre	

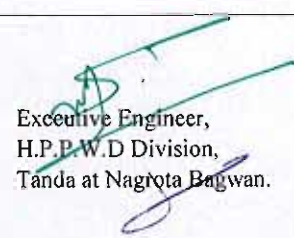
23	Painting two coats (excluding priming coat) on new wood and wood based surface under coat with enamel and finishing coating with flat oil paint, brushing to give an even shade including cleaning of all dirt, dust and other foreign matter, sand papering and stopping:- With paint other than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	0.80	Square metres			Per Square metre	
24	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.	45.30	Square metres			Per Square metre	
25	Providing and laying on wall face PVC (D-Plast) rain water working pressure not less than 6.00 kg/sqm (six decimal Five Zero kilograms per square metre) including filling the joints with approved adhesive complete and as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.						
i	75 mm (Seventy five millimetres) dia	85.00	Running metres			Per running metre	
ii	110mm (One hundred ten millimetres) dia	40.00	Running metres			Per running metre	
26	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 as directed by the Engineer-Incharge, including carriage of materials within all leads, lifts and other						
i	75 mm (Seventy five millimetres) dia	20.00	Numbers			Each	
ii	110mm (One hundred ten millimetres) dia	20.00	Numbers			Each	
27	Providing and fixing on wall face PVC accessories for rain water pipes including filling the joints with spun yard soaked in near cement slurry and cement mortar 1:2 (One cement : Two sand) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.						
i	75 mm (Seventy five millimetres) dia	20.00	Numbers			Each	
ii	110mm (One hundred ten millimetres) dia	20.00	Numbers			Each	
W.S. & S.I.							
28	Providing to wall ceiling and floor galvanized mild steel tubes (heavy grade) TATA.JINDAL 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	34.40	Running metres			Per running	
ii	20mm nominal bore	26.80	Running metres			Per running	
ii	25mm nominal bore	26.80	Running metres			Per running	
29	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.	6.00	Numbers			Each	

30	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.	8.00	Numbers			Each	
31	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers			Each	
32	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.	4.00	Numbers			Each	
33	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.	4.00	Numbers			Each	
34	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.	6.00	Numbers			Each	
35	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.	6.00	Numbers			Each	
36	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	
37	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.	18.00	Numbers			Each	
38	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.	6.00	Numbers			Each	
39	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	
40	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.	8.00	Numbers			Each	
41	Providing chromiun 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	8.00	Numbers			Each	
42	Providing 15mm (Fifteen milimetres) 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	6.00	Numbers			Each	
43	Providing 15mm (Fifteen milimetres) 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	6.00	Numbers			Each	
44	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 milimetres) nominal bore	4.00	Numbers			Each	
ii	20mm (Twenty milimetres) nominal bore	4.00	Numbers			Each	
45	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.	10.00	Numbers			Each	

46	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.	14.00	Numbers			Each	
47	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)	8.00	Numbers			Each	
ii	20mm (Fifteen millimetre)	8.00	Numbers			Each	
48	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)	8.00	Numbers			Each	
ii	20mm (Fifteen millimetre)	8.00	Numbers			Each	
49	Providing G.I./M.I Union of following sizes (where not included in the items). complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	15mm	10.00	Numbers			Each	
ii	20mm	10.00	Numbers			Each	
50	Providing composite end seal composite fittings as per IS-15450-2004 for cold water supply e.g. tees, elbows, reducers, connectors, couplers and clamps with jointing testing and fittings complete including cutting and making good the walls etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	1216 Equal tees	4.00	Numbers			Each	
ii	2025 Equal tees	4.00	Numbers			Each	
51	Reducing Tee complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	1620 with all branches.	4.00	Numbers			Each	
ii	2025 with all branches.	4.00	Numbers			Each	
52	Providing and fixing Female elbows complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.						
i	1620 X 15 mm thread.	4.00	Numbers			Each	
ii	1620 x 20 mm thread.	4.00	Numbers			Each	

53	Providing and fixing Reducers complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	1620 x 1216.	4.00	Numbers		Each	
ii	2025 X 1216.	4.00	Numbers		Each	
54	Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc.complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	110mm x 90mm.	2.00	Numbers		Each	
ii	110 mm X 75 mm	2.00	Numbers		Each	
55	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.	6.00	Numbers		Each	
56	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.	6.00	Numbers		Each	
57	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)	4.00	Numbers		Each	
ii	20mm (Fifteen millimetre)	4.00	Numbers		Each	
58	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.	6.00	Numbers		Each	
59	Providing and fixing water closet squatting pan (Indian approved quality & make complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	3.00	Numbers		Each	
60	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.	10.00	Numbers		Each	
61	Supplying and providing 15 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers		Each	

62	Supplying and providing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers			Each	
Total:-							


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