

**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 **21.06.2024** 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 **20.06.2024** up to **4:00 P.M** and the application for issue of tender form shall be received on **19.06.2024** 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	Estimate d Cost	Earnes t Money	Time limit
1.	Construction of link road from NH-154 to Upper Hatwas Km 0/000 to 2/000 in Distt Kangra (HP) (SH:-Providing and laying soling and cement concrete pavement in Km 0/436 to 0/556).	374325/-	7500/-	Two months
2.	Special repair to HP PWD Sub-Division Office at Tanda in Distt Kangra (HP) (SH:-Providing and laying interlocking paver block and Edge wall etc;)	222051/-	4450/-	Two months
3.	Construction of link road to Than Mata Mandir in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road at RD 0/000 to 0/160).	499986/-	10000/-	Three months
4.	Special repair to Girls Hostel in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Balance work of dismantling tile, repair of plaster, providing and fixing floor tiles, wall tile, aluminium work wooden work WS & SI etc; in Toilet of Block-B in First floor)	499984/-	10000/-	Two months
5.	Special repair to Vivekanad Hostel at Dr R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan Distt Kangra (HP) (SH:-Painting and Distempering etc in First floor various Rooms (Deposit work)	224690/-	4500/-	One months
6.	Construction of link road to Mehta Basti in G.P. Jalot Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road at various reaches between Km 0/000 to 1/000).	315404/-	6350/-	Two months
7.	Restoration of rain damages on Bane-Di-Hatti to Khappernallah road Km 0/000 to 5/300 in Distt Kangra (HP) (SH:-Improvement of road width by providing R/wall at RD 2/200 to 2/225).	262236/-	5250/-	Two months
8.	Construction of link road kalru Balh Jandrah in Distt Kangra (HP) (SH:-Construction of R/wall at RD 0/800 to 0/815 and providing & laying cement concrete pavement road at RD 0/800 to 0/870).	421673/-	8450/-	Two months
9.	Construction of link road to village Dehru in Distt Kangra (HP) (SH:-Construction of B/wall at RD 0/635 to 0/655).	187615/-	3800/-	Two months
10.	Construction of link road Kalru to Nariyalkar in Distt Kangra (HP) (SH:-C/o RCC Hume pipe culvert 900mm dia along with wing walls at RD 0/440 , 0/825 & 0/965).	467758/-	9400/-	Two months
11.	Construction of Rajpoot Bhawan at Bhadrehar in Tehsil Nagrota Bagwan Distt Kangra (HP) (Deposit work) (SH:-Balance work of building portion)	435347/-	8750/-	Two months
12.	Special repair to various Hostel in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (Deposit work) (SH:-Flushing cleaning PVC water Tank 500,1000 & 200 litters capacity in Ravi hostel , Satluj Hostel , Vivekanand Hostel, MBBS 1 st Year Boys & Girls Hostel Sr Girls Hostel Sr Boys Hostel and Interns Hostel).	317900/-	6400/-	One month
13.	Construction of link road from NH-154 to Upper Hatwas Km 0/000 to 2/000 in Distt Kangra (HP) (SH:-Construction of 1.00 mtrs span RCC slab culvert at RD 0/435).	193921/-	3900/-	Two months
14.	Annual repair and maintenance of Sunehar Mundla road Km 0/000 to 2/900 in Distt Kangra (HP) (SH:-Construction of 900mm dia Hume pipe culvert alongwith wing wall at RD 2/300 to 2/330).	499335/-	10000/-	Two months

15.	Restoration of rain damages on Balol Shaheedi road Km 0/000 to 4/500 in Distt Kangra (HP) (SH:-Improvement of road width by providing R/wall at RD 2/430 to 2/455).	498979/-	10000/-	Two months
16.	Construction of link road to village Panjlehar in Distt Kangra (HP) (SH:- Providing and laying cement concrete pavement road at various reaches between Km 0/000 to 0/500).	315404/-	6350/-	Two months
17.	Special repair to T.B. Santourium at Dr R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan Distt kangra (HP) (SH:-Dismantling work, P/L Floor tile & wall Tiles WS & SI etc; in TB Sanatorium 1 st floor staff Bathroom).	496436/-	10000/-	One month

Terms & Conditions:-

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

HIMSUCHANA AVAM & JAN SAMPARK

No.PW/NBD/TA/Tender/NIT/2023-24- **1954-83**
Copy to the following for information and necessary action:-

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

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan
(On behalf of Governor of Himachal Pradesh)
Dated/ **7/6/2024**

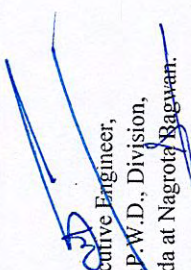
Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

Schedule of Quantity

ESTIMATED COST :- Rs. 374325.00
 EARNEST MONEY :- Rs. 7500.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road from NH-154 to Upper Hatwas Km 0/00 to 2/000 in Distt. Kangra (H.P.)
 SUB HEAD :- Providing and laying soling and cement concrete pavement in Km 0/436 to 0/556

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2 Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) nominal size complete as per HPPWD technical specification and within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	3 65.10 Cubic metres	4	5	6 Per cubic metre	7
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- Rs. 222051.00
 EARNEST MONEY :- Rs. 4450.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair to H.P.P.W.D. Sub-Division office at Tanda in Distt. Kangra (H.P.)
SUB HEAD :- Providing and laying interlocking paver block and Edge wall 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 including entire carriage of materials within all leads, lifts and other incidentals.	10.60 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	20.40 Cubic metres			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) nominal size as per HPPWD technical specification and within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	4.10 Cubic metres			Per cubic metre	
4	Providing and laying 80mm (Eighty millimetres) thick cement concrete paver block of M-30 (M-Thirty) grade with approved color design and pattern factory made chamfered edge Cement Concrete paver blocks NTC/ GDC/Atlantica and Pooja make in roads etc; of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in- Charge as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	75.40 Square metres			Per square metre	
5	Filling available excavated earth (excluding rock) intrtrenches 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 HPPWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	60.50 Cubic metres			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST :- Rs. 499986.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road to Than Mata Mandir in Distt. Kangra (H.P.)
SUB HEAD :- Providing and laying cement concrete pavement road at RD 0/000 to 0/160

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental.	35.78 Cubic metres			Per cubic metre	7
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (TWenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	74.82 Cubic meters			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

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

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

SUB-HEAD :- Balance work of dismantling tile, repair of plaster, providing and fixing floor tiles, wall tile, aluminium work, wooden work, W.S. & S.I. etc. in Toilet of Block-B in First Floor..

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
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 directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	2.00 Square metres			Per Square metre	
2	Repairs to plaster of thickness 12 mm to 20 mm (Twelve millimetres to twenty millimetres) in patches of area 2.5 sq.meters (Two point five square metres) 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 with cement mortar 1:4 (1 cement : 4 fine sand) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	210.00 Square metres			Per Square metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm (Twenty millimetres) nominal size) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	2.39 Cubic metres			Per Cubic metre	
4	Providing and laying 400x400 mm (Four hundred millimetres) of size Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (Zero point eight percent) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	20.80 Square metres			Per Square metre	
5	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (Zero point eight percent) and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm (Six millimetres) thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	82.35 Square metres			Per Square metre	
6	Providing and fixing anodised aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with raw plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically where ever required including cleat angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for doors windows and ventilators and glazed partitions frames complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	122.12 Kilograms			Per Kilo gram	
7	Providing and fixing anodised aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with raw plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically where ever required including cleat angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws For shutter 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) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	119.02 Kilograms			Per Kilo gram	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
8	Providing and fixing 250 x 10mm (Two hundred fifty into ten millimetres) size aluminium tower bolts (berril type) anodized trans parent or dyed to required shade and colour with screws etc. complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	20 Numbers			Each	
9	Providing and fixing 100 mm (One hundred millimetres) aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
10	Providing and fixing 300x16mm (Three hundred into sixteen millimetres) 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 carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
11	Providing and fixing oxidized M.S. presses parliamentary hinges with necessary screws etc. complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
12	Providing and fixing 12mm (Twelve millimetres) thick pre-laminated 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 carriage of materials within all leads, lifts and other incidentals.	5.04 Square metres			Per Square metre	
13	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 With float glass panes of 4.0 mm (Four point zero millimetres) thickness (weight not less than 10 kg/ sqm) (Ten kilograms/square) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	11.34 Square metres			Per Square metre	
14	Providing and fixing 6mm (Six millimetres) thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillers to be measured and paid for separately) complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	11.52 Square metres			Per Square metre	
15	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm (Eighteen millimetres) thick stone slab over 20 mm (Twenty millimetres) (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing, polishing and moulding in single or double layer etc. all complete as specified and as directed by the Engineer-in-Charge Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	1.16 Square metres			Per Square metre	
16	Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in beams joists channels , angles, tee , flats with connecting plates or angle cleats as in main and cross beams, hip and jackrafters, purfins connected to common rafters and the like complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	0.79 Kilograms			Per Kilo gram	
17	Dismantling of C.I. /PVC pipe 110mm dia complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	40.30 Running metres			Per running metre	
18	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge Second class teak wood 35 mm (Thirty five millimetres) thick shutters complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	0.97 Square metres			Per Square metre	
19	Providing and fixing 300mm (Three hundred millimetres) bright finished hard drawn hooks and eyes complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
20	Providing and fixing 100mm (One hundred millimetres) bright finished brass door stopper with rubber cushion screws etc to suit shutter thickness complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2			Each	
21	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, 6.00 Kgs (Six kilogram pressure pipe leaving 10 mm (Ten millimetres) gap for thermal expansion, (i) Single socketed pipes complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	50.00			Per Running metre	
22	Providing and fixing Single tee with door complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i	Providing and fixing Single tee with door 110x110x110 mm (One hundred ten into one hundred ten millimetres)	6			Each	
ii	Single tee without door 110x110x110 mm (One hundred ten into one hundred ten millimetres)	5			Each	
iii	Bend 110 mm (One hundred ten millimetres) bend	8			Each	
23	Providing and fixing wash basin with C.I. brackets, 15 mm (Fifteen millimetres) C.P. brass pillar taps, 32 mm (Thirty two millimetres) C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm (Six hundred thirty into four hundred fifty millimetres) with a pair of 15 mm C.P. brass pillar taps complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	4			Each	
24	Providing and fixing 580mm (Five hundred eighty millimetres) of size vitreous China wash down, water closet squatting pan (Indian Make) Long pattern W.C. pan complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2			Each	
25	Providing and fixing sand cast iron 100mm (Hundred millimetres) size Cera or its equivalent P or S traps for water closet (squatting pan) including jointing the trap with pan and soil pipe in cement mortar 1:1 (one cement: one sand) complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2			Each	
26	Providing and fixing plastic seat (Solid/Hollow type) and cover Cera, Jaquar and Hindware for wash down water closet with C.P. Brass hinges and rubber buffers complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2			Each	
27	Providing and fixing 100 mm (One hundred millimetres) sand cast Iron grating for gully trap complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	12			Each	
28	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste pipe 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.	5			Each	
29	Providing and fixing 32mm (Thirty two millimetres) diameters 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.	4			Each	
30	Providing and fixing 600x450mm (Six hundred into Four hundred fifty millimetres) size bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	5			Each	
31	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws Cera, Jaquar and Hindware complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	10			Each	
32	Providing and fixing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	12			Each	
33	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera, Jaquar and Hindware complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	15			Each	

S. N.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
34	Providing and fixing P.V.C. connection 300x450mm (Three hundred into four hundred fifty millimetres) length with check nut and brass union Cera, Jaquar and Hindware complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	15 Numbers			Each	
35	Providing and fixing water closet squatting pan (European Type) mounting water closet of size 780x370x690 mm (Seven hundred eighty into three hundred seventy into six hundred ninety millimetres) of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (Three litre/six litre) (adjustable to 4 litre/ 8 litres (Four litre/eight litre), including seat cover, and cistern fittings, nuts, bolts and gasket etc. complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
36	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
37	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 complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) nominal bore	60.80 Running metres			Per Running metre	
ii	20mm (Twenty millimetres) nominal bore	24.00 Running metres			Per Running metre	
38	Providing and fixing bath shower Cera or its equivalent complete with necessary fitting complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
39	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 complete.	4 Numbers			Each	
40	Providing and fixing brass full way valve with wheel complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) nominal bore	4 Numbers			Each	
i	20mm (Twenty millimetres) nominal bore	4 Numbers			Each	
41	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass chain 50cm (Fifty centimetre) long and rubber plug of following sizes for sink or wash basin complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
42	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
TOTAL :-						


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

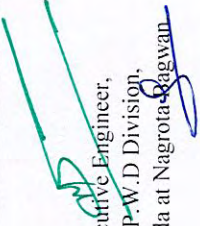
Schedule of Quantity

ESTIMATED COST :-	Rs.	224690.00
EARNEST MONEY :-	Rs.	4500.00
TIME LIMIT :		ONE MONTHS

Name of Work:- Special Repair to Viveknand Hostel at Dr. R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan, Distt. Kangra (H.P.)

Sub Head:- Painting and Distemping etc in First floor Various Rooms. (Deposit work)

Sr. No	Description Of Item	Quantity		Rate		Unit	Amount
		In fig	In words				
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-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	885.90	Square metres			Per Square metre	
2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	1310.93	Square metres			Per Square metre	
3	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.	1885.90	Square metres			Per Square metre	
4	Painting two coat (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter with ready mixed paint than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	125.50	Square metres			Per Square metre	
Total:-							


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 315404.00
 EARNEST MONEY :- Rs. 6350.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road to Mehta Basti in G.P. Jalot, Distt. Kangra (H.P.)

SUB-HEAD :- **Providing & Laying Cement concrete pavement road at various reaches between Km 0/00 to 1/00)**

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing ,Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand packing, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density Grading-2 (two) 63 mm to 45 mm (Sixty three millimetre to forty five millimetre) size stone aggregate complete within all leads, lifts, carriage of material and other incidental charges.	23.63 Cubic meters			Per cubic metre	
2	Providing & laying Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete within all leads, lifts, carriage of material and other incidental charges.	47.25 Cubic metres			Per cubic metre	
TOTAL:-						-


 Executive Engineer,
 HP.PWD, Division Tanda,
 At Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 262236.00
 EARNEST MONEY : - Rs. 5250.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK Restoration of rain damages on Bane-Di-Hatti to Khappemallah Road Km 0/00 to 5/300 in Distt. Kangra (H.P)
SUB-HEAD :- Improvement of road width by providing R/wall at RD 2/200 to 2/225)

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 1.50m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil as directed by Engineer-in- Charge complete within any lead , lift and carriage of material and other incidentals.	34.13 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Cement concrete 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	62.46 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	21.85 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, including entire carriage of materials within all leads, lifts and other incidentals.	18.90 Cubic metres			Per cubic metre	
TOTAL: -						


 Executive Engineer,
 HP.PWD. Division Tandæ
 At Nagrota Bagwan.

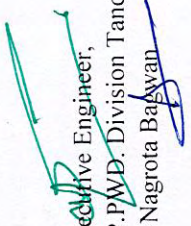
SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 421673.00
 EARNEST MONEY :- Rs. 8450.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK : Construction of link road Kalru Balh Jandrah in Distt. Kangra (H.P)
SUB-HEAD :- Construction of R/wall at RD 0/800 to 0/815 and Providing & Laying Cement concrete pavement road at RD 0/800 to 0/870)

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 1.50m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil as directed by Engineer-in- Charge complete within any lead , lift and carriage of material and other incidentals.	21.89 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Cement concrete 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	47.31 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	26.00 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, including entire carriage of materials within all leads, lifts and other incidentals.	16.56 Cubic metres			Per cubic metre	

5	Providing ,Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand packing, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density Grading-2 (two) 63 mm to 45 mm (Sixty three millimetre to forty five millimetre) size stone aggregate complete within all leads, lifts, carriage of material and other incidental charges.	16.54 Cubic meters			Per cubic metre	
6	Providing & laying Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete within all leads, lifts, carriage of material and other incidental charges.	33.08 Cubic metres			Per cubic metre	
TOTAL:-						


 Executive Engineer,
 HP.PWD. Division Tanda,
 At Nagrota Balawan

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 187615.00
 EARNEST MONEY :- Rs. 3800.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK Construction of Link road to Village Dehru in Distt. Kangra (H.P)

SUB-HEAD :- Construction of B/wall at RD 0/635 to 0/655)

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 1.50m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil as directed by Engineer-in- Charge complete within any lead, lift and carriage of material and other incidentals.	13.76 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Cement concrete 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	48.39 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	12.00 Running metres			Per running metre	
TOTAL:-						

Executive Engineer,
 HP PWD, Division Tanda,
 At Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 467758.00
 EARNEST MONEY : - Rs. 9400.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road Kalru to Nariyalkar in Distt. Kangra (H.P)

SUB-HEAD :- C/o RCC Hume pipe culvert 900 mm dia along with wing walls at RD 0/440, 0/825 & 0/965)

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 1.50m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil as directed by Engineer-in-Charge complete within any lead, lift and carriage of material and other incidentals.	25.20 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40 mm nominal size) as directed by the Engineer- Incharge including carriage of materials within all leads, lifts and other incidentals.	10.02 Cubic metres			Per cubic metre	
3	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in 1:2.5:5 (One cement : Two and half sand : five graded) broken/crushed stone aggregate 20mm (Twenty millimeters) nominal size PCC grade M-15 (M-Fifteen), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	31.14 Cubic metres			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Cement concrete 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals.	40.95 Cubic metres			Per cubic metre	

5	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc., 900 mm dia. R.C.C. Pipe complete as directed by the Engineer- in-charge including carriage of materials within all leads, lifts and other incidentals..	22.50 Running metres			Per running metre	
6	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, including entire carriage of materials within all leads, lifts and other incidentals.	6.72 Cubic metres			Per cubic metre	
7	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	2.48 Running metres			Per running metre	
8	Filling with available excavated earth (excluding rock) trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ramming and watering, all complete as per drawing and direction of Engineer -in - charge.	18.53 Cubic metres			Per cubic metre	
TOTAL:-						


 Executive Engineer,
 HP.PWD. Division Tanda,
 At Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 435347.00
 EARNEST MONEY :- ₹ 8750.00
 TIME LIMIT : TWO MONTHS

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

S. No.	Description of items	Quantity	In fig 4	Rate In words		Unit	Amount
					5		
1	2	3	4		5	6	7
1	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.	822.30 Kilo grams				Per kilo-gram	
2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) completed as per architectural 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.	9.56 Cubic metres				Per cubic metre	
3	Providing Sal wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position completed as per architectural 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.	0.68 Cubic metres				Per cubic metre	
4	Providing and fixing 40mm (forty millimetres) thick second class deodar wood, panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws completed as per architectural 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.	11.50 Square metres				Per square metre	
5	Providing and fixing 12mm (Twelve millimetres) thick prelaminated particle board with decorative lamination on both sides flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass/stainless steel screws etcetra completed as per architectural 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.	0.92 Square metres				Per square metre	
6	Providing and fixing M.S. Plain Grills of required pattern in frames of windows and ventilators etc with M.S. flats, square or round bars with round headed bolts and nuts etcetra or by screws completed as per architectural 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.	48.50 Kilogram				Per kilogram	

7	Providing and fixing Glazing in aluminium door, window, ventilator shutters and partitions with glass panes of 3mm (Three millimetres) thick plain glass weight not less than 12.50 kg/M2 (Twelve point fifty kilogramme per square metre) of Modiguard/Saint Gobian for shutters with EPDM rubber/ neoprene gasket etcetra complete as per architectural 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.	1.78 Square metres			Per square metre	
8	Providing and fixing 300x16mm (Three hundred into Sixteen millimetres) nominal size aluminium sliding door bolts ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with nuts and screws etcetra complete, including carriage of material within all leads, lifts and other incidentals and as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each	
9	Providing and fixing aluminium Tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with nuts and screws etcetra. complete, including carriage of material within all leads, lifts and other incidentals and as per specifications, approved drawing, design and as directed by the Engineer-in-charge.					
i	200x10mm (Two hundred into Ten millimetres) nominal size	6 Numbers			Each	
ii	150x10mm (One hundred fifty into Ten millimetres) nominal size	28 Numbers			Each	
10	Providing and fixing aluminium Handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etcetra; complete including carriage of material within all leads, lifts and other incidentals and as per specifications, approved drawing, design and as directed by the Engineer-in-charge.					
i	125mm (One hundred twenty five millimetres) nominal size	2 Numbers			Each	
ii	100mm (One hundred millimetres) nominal size	28 Numbers			Each	
11	Providing and fixing 200mm (Two hundred millimetres) size bright finished brass hard drawn hooks and eyes complete with necessary screws etcetra; complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	16 Numbers			Each	
12	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete, as per approved drawing, design, specifications and as per directions and entire satisfaction of the Engineer-in-Charge, including carriage of material within all leads, lifts and other incidentals.	1 Number			Each	

13	Providing and laying 600x600mm (Six hundred millimetre) vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% (Zero point zero eight) and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm (Twenty millimetre) thick cement mortar 1:4 (One cement : Four coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm (Three point three kilogramper square metre) including grouting the joints with white cement and matching pigments etcetera complete as per architectural 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.	32.01 Square metres			Per square metre
14	Providing and applying 6mm (Six millimetres) thick cement plaster to ceiling in cement mortar 1:3 (One cement : Three sand) upto all floor levels complete including carriage of material within all leads, lifts and other incidentals as per approved specifications, drawing, design and as directed by the Engineer-in-charge.	56.68 Square metres			Per square metre
15	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix with 1:4 (One cement : Four fine sand) 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.	137.70 Square metres			Per square metre
16	Providing and fixing 110 mm (One hundred millimetres) 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, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 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.	14.40 Running metres			Per running metre
17	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 (Ten millimetre) gap for thermal expansion complete as required and as per architectural 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.				
i	110mm (One hundred ten millimetre) Coupler	8 Numbers			Each
ii	87.5° 110 mm (Eighty seven point five degree 110mm (One hundred ten millimetre) Bend	4 Numbers			Each
iii	110 mm (One hundred ten millimetre) Shoe	4 Numbers			Each
18	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x30 mm (Fifty tkinto fifty into fifty millimetres) hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (One cement : Four coarse sand) and making good the wall etc. complete including entire carriage of materials as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each

19	Providing and applying white cement based putty of Birla/J.K. average thickness 1mm (One millimetre) of approved brand and manufacturer over the plastered wall surfaces to prepare the surface even and smooth complete and as per direction of Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	85.96 Square metres			Per square metre
20	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives complete New work (Two or more coats applied @ 1.43 litre/ 10 sqm (Zero point forty three liter / Ten square metre). Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm (Zero point ninety liter / Ten square metre) including entire carriage of materials within all leads, lifts and other incidentals	108.42 Square metres			Per square metre
21	Wall painting two 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 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.	108.42 Kilo grams			Per kilo gram
22	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 purpose 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	35.82 Square metres			Per square metre
TOTAL :-					

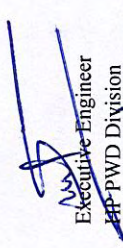

 Executive Engineer,
 H.P.P.W.D. Division,
 Tanda at Nagrta Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 317900.00
 EARNEST MONEY :- ₹ 6400.00
 TIME LIMIT :- ONE MONTH

NAME OF WORK :- Special repair to Various Hostel in Dr. R.P. Govt. Medical College at Tanda in Distt. Kangra (H.P.) (Deposit Work)
 SUB-HEAD :- *Flushing, cleaning PVC water tank 500, 1000 & 2000 liters capacity in Ravi Hostel, Vivekanand Hostel, MBBS 1st Year Boys & Girls Hostel, Sr. Girls Hostel, Sr. Boys Hostel and Interns Hostel etc.*

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2 Cleaning and flushing of PVC tanks of 500 ltrs. (Five hundred liters), 1000 ltrs. (One thousand liters) & 2000 ltrs. (Two thousand litres) including RCC water tanks etcetera; complete. Any type of damage during course of cleaning shallw be absolute responsibility of the contractors which shall have to be repaired by him in all cases, as directed by Engineer-Incharge including carriage of material within all lead, lifts and other incidentals.	3 187000.00 Liters	4	5	6 Per Liter	7
TOTAL :-						


 Executive Engineer
 HP-PWD Division
 Tanda at N/Bagwan

Schedule of Quantity

ESTIMATED COST :- Rs. 193921.00
 EARNEST MONEY :- Rs. 3900.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of link road from NH-154 to Upper Hatwas Km 0/00 to 2/000 in Distt. Kangra (H.P.)

SUB HEAD :- Construction of 1.00 mtrs span RCC slab culvert at RD 0/435

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.	36.25 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	1.45 Cubic metres			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) nominal size complete as per HPPWD technical specification and within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	16.72 Cubic metres			Per cubic metre	
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : - 1:1.5:3 (One cement : One and Half coarse sand): Three graded stone aggregate 20mm (Twenty millimetres nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	4.22 Cubic metres			Per cubic metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One cement : Four coarse sand : Eight graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	0.69 Cubic metres			Per cubic metre	
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	527.50 Kilo-grams			Per kilo gram	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- Rs. 499335.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Annual Repair and Maintenance of Sunehar Mundla road Km 0/000 to 2/900 in Distt. Kangra (H.P.)

SUB HEAD :- Construction of 900mm dia Hume Pipe culvert alongwith wing wall at RD 2/300 to 2/330

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator) manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	3	4	5	6	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40 mm (Forty millimetres) nominal size as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	68.21 Cubic metres			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20mm (Twenty millimetres) nominal size as per HPPWD technical specification and within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	1.16 Cubic metres			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	8.67 Cubic metres			Per cubic metre	
5	Providing and laying non-pressure NP2 class R.C.C. hume pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	95.66 Cubic metres			Per cubic metre	
6	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	7.50 Running metre			Per running metre	
7	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	37.00 Running metres			Per running metre	
		33.40 Cubic metres			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 498979.00
 EARNEST MONEY : - Rs. 10000.00
 TIME LIMIT :- TWO MONTHS

NAME OF SUB-HEAD :- Restoration of rain damages on Balol Shaheed Road Km 0/00 to 4/500 in Distt. Kangra (H.P)
 Improvement of road width by providing R/wall at RD 2/430 to 2/455

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 1.50m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil as directed by Engineer-in- Charge complete within any lead , lift and carriage of material and other incidentals.	44.63 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Cement concrete 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40 mm nominal size) as directed by the Engineer- in- charge including carriage of materials within all leads, lifts and other incidentals.	123.38 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	36.00 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, including entire carriage of materials within all leads, lifts and other incidentals.	22.50 Cubic metres			Per cubic metre	
TOTAL:-						

Executive Engineer,
 HP.PWD. Division Tanda,
 At Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 315404.00
 EARNEST MONEY :- Rs. 6350.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK Construction of link road to Village Panjlehar in Distt. Kangra (H.P)

SUB-HEAD :- *Providing & Laying Cement concrete pavement road at various reaches between Km 0/00 to 0/500*

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing, Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand packing, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density Grading-2 (two) 63 mm to 45 mm (Sixty three millimetre to forty five millimetre) size stone aggregate complete within all leads, lifts, carriage of material and other incidental charges.	23.63 Cubic meters			Per cubic metre	
2	Providing & laying Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete within all leads, lifts, carriage of material and other incidental charges.	47.25 Cubic metres			Per cubic metre	
TOTAL: -						


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

Schedule of Quantity

ESTIMATED COST:- Rs. 496436.00
EARNEST MONEY:- Rs. 10000.00
TIME LIMIT : ONE MONTHS

Name of Work:- Special Repair to T.B Santourium at Dr. R.P. Govt. Medical College Tanda in Tehsil Nagrota Bagwan, Distt. Kangra (H.P.)
Sub Head:- Dismantling work, P/L Floor tile & Wall Tiles W.S.S.I etc. in T.B Santourium 1st floor staff Bathroom.

Sr. No	Description Of Item	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 (One cement : Three sand : six graded stone) or richer mix (i/c equivalent design mix) complete and as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	18.90 Cubic metres	5		Per Cubic metre	
2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete With cement mortar 1:4 (1 cement : 4 fine sand) complete as directed by the Engineer- in-charge including entire carriage of materials within all leads, lifts and other incidentals.	20.60 Square metres			Per Square metre	
3	Providing and fixing anodised / colour coated aluminium work for door (External door NO 14081 Size 127 x 44.45 x 3.19mm) , window, ventilators and partitions frame with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitted 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.	140.60 Kilograms			Per Kilogram	
4	Providing and fixing anodised / colour coated aluminium work for door , window, ventilators and partitions shutter with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitted 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.	160.80 Kilograms			Per Kilogram	

5	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 paneling 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.	4.84	Square metres		Per Square metre	
6	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	300x16mm size (Three hundred into sixteen millimetres)nominal size	2.00	Numbers		Each	
ii	250x16mm(Two hundred fifty into sixteen millimetres) nominal size	2.00	Numbers		Each	
7	Providing and fixing anodized aluminium towe bolt (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.					
i	250x10mm (Two hundred fifty into ten millimetres)nominal size	2.00	Numbers		Each	
ii	200x10mm (Two hundred into ten millimetres)nominal size	2.00	Numbers		Each	
8	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	125mm (One hundred twenty five millimetres) nominal size	2.00	Numbers		Each	
ii	100mm (One hundred millimetres) nominal size	2.00	Numbers		Each	
9	Providing and fixing 100mm bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers		Each	
10	Providing and fixing chromium plated brass sliding door bolts with nuts and screws etc. complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	300x16mm	4.00	Numbers		Each	
ii	250x16mm	4.00	Numbers		Each	
11	providing and laying Vitrified tiles in floor with / Nitco/ Raki/ Simpolo/ Kajaria of different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grooving of joints (Payment for grooving 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	32.40	Square metres	1	Per Square metre	

12	Providing and laying Vitrified tiles in / Nitco/ Raki/ Simpola/ Kajaria different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (zero point zero eight) and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete and as directed by the Engineer- in-charge, including carriage of materials within all leads, lifts and other incidentals	104.50	Square metres	1	Per Square metre	
13	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	100mm dia pipes	10.40	Running metres		Per running metre	
ii	150mm dia pipes	8.20	Running metres		Per running metre	
14	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.	1.20	Square metres		Per Square metre	
15	Removing dry or oil bound disemper 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.	95.60	Square metres		Per Square metre	
16	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	95.60	Square metres		Per Square metre	
17	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 making the surface complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	95.60	Square metres		Per Square metre	
18	Painting two coat (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter with ready mixed paint than white complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	80.40	Square metres		Per Square metre	
W.S. & S.I.						
19	Providing to wall ceiling and floor galvanized mild steel tubes (heavy grade) tube fitting and clamp including making good the wall, ceiling and floor complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	15mm nominal bore	24.00	Running metres		Per running metre	
ii	20mm nominal bore	15.00	Running metres		Per running metre	

20	Providing and fixing vitreous china wash down water closet (European type W.C. Pan) Hind-ware, cera, parry, ware or equivalent make including jet pressure with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement: one sand) seat and cover to be measured and paid for separately) Angle Indian Universal closet complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers		Each	
21	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.	2.00	Numbers		Each	
22	Providing and fixing 580x440 mm (Five hundred eighty into four hundred forty millimetre) white vitreous china water closet squatting pan (Indian type) Orissa pattern W.C. pan of size complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers		Each	
23	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	
24	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.	2.00	Numbers		Each	
25	Providing and fixing 550x400mm (Five thousand fifty into four hundred millimetre) size vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and marking good the same but excluding fittings complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	2.00	Numbers		Each	
26	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	
27	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.	4.00	Numbers		Each	
28	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.	10.00	Numbers		Each	
29	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.	2.00	Numbers		Each	
30	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.	4.00	Numbers		Each	
31	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.	6.00	Numbers		Each	
32	Providing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with CP brass screws complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers		Each	
33	Providing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers		Each	
34	Providing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4.00	Numbers	1	Each	

35	Providing C.P. brass bit tap with capstan head (Heavy duty) Cera, Jaquar and Hindware complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetres) nominal bore	2.00	Numbers			Each
ii	20mm (Twenty millimetres) nominal bore	2.00	Numbers			Each
36	Providing C.P. brass angle valve 15mm without nuts and pipes complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	8.00	Numbers			Each
37	Providing 15mm nominal bore PVC connection with brass unions. 300/450mm length: complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	10.00	Numbers			Each
38	Providing brass full way valve with wheel complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.					
i	15mm (Fifteen millimetre)	4.00	Numbers			Each
ii	20mm (Fifteen millimetre)	4.00	Numbers			Each
39	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)	2.00	Numbers			Each
ii	20mm (Fifteen millimetre)	2.00	Numbers			Each
40	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.	2.00	Numbers			Each
41	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)	2.00	Numbers			Each
ii	20mm (Fifteen millimetre)	2.00	Numbers			Each
Total:-						