

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 **30.09.2022** up to **11:00 A.M.** And the same shall be opened on the same day at **11:30 A.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **29.09.2022** up to **4:00 P.M** and the application for issue of tender form shall be received on **28.09.2022** up to **12:00 noon**. The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1.	Construction of Doctors Duty Room in Truma Centre at Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Construction of building portion)	499688/-	10000/-	Three months
2.	Restoration of rain damages on link road Nihargalu to SC Basti Lahru Mata road in Distt Kangra (HP) (SH:-Improvement of road by providing retaining walls at various RDs and providing and laying cement concrete pavement at RD 0/000 to 0/100).	499885/-	10000/-	Three months
3.	Construction of Nurses Duty Room in Truma Centre at Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Construction of building portion).	499688/-	10000/-	Three months
4.	Construction of Doctors Cabin Room in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Construction of Building portion).	499688/-	10000/-	Three months
5.	Construction repair to 500 Bedded Hospital in Dr R.P.GMC at Tanda in Distt Kangra (HP) (Deposit work) (SH:-Providing and fixing aluminium partition repair of ducts and other repair in Medicine store room)	499268/-	10000/-	Three months
6.	Construction of Pucca path with installation of paver tile from the house of Bal Krishan to near Kali Mata Mandir in Ward No -6 in Distt Kangra (HP) (Deposit work)	499493/-	10000/-	Three months
7.	Balance work of special repair to Type-IV Qtrs (TBS) in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP) (SH:-Providing and fixing AC sheet cement concrete interlocking paver rain water pipe granite stone wall tile aluminium work WS & SI etc;)	357200/-	7150/-	Two months
8.	Restoration of rain damages on Barana Mariyari Chowki Nehar Palahchaklu road Km 0/000 to 8/000 in Distt Kangra (HP) (SH:-Construction of U-shape drain in Km 5/865 to 5/955).	148913/-	3000/-	Two months
9.	Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharania Khundian Nahlian MDR 93 road Km 0/000 to 49/40 in Construction of retaining wall t RD 1/250 to 1/264).	183999/-	3700/-	Two months
10	Construction of Pucca path from Parmod Singh House to Neembu Tree (VKV/2021/240)/6 in Distt Kangra (HP) (SH:-providing and laying cement concrete pavement road at RD 0/000 to 0/049) Deposit work)	149327/-	3000/-	Two months

11.	Construction of link road to village Bharoon in Gram Panchayat Ustehar in Distt Kangra (HP) (SH:- Construction of 1.00 mtrs span RCC slab culvert at RD 0/200).	127289/-	2550/-	Two months
12	Construction of link road from Baroh Bus stand to Thana lahar via Oie Kamloti in Distt Kangra (HP) (SH:- Providing and laying cement concrete pavement road at RD 1/672 to 1/836).	499820/-	10000/-	Three 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

(On behalf of Governor of Himachal Pradesh)

No.PW/NBD/TA/Tender/NIT/2022/ 9396-9427

Dated/ 16-9-2022

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

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499688.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Doctors Duty Room in Trauma Centre at Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP)
 SUB-HEAD :- Construction of building portion.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and laying cement concrete work 1:2:4 (one cement isto two sand isto four graded stone aggregate 20mm (twenty millimetres) nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in suspended floor roof , landing and shelves and their support balcones , beams , girders, bressumers and contilever upto floor two level complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	1.45 Cubic metres			Per Cubic metre	
2	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 jack rafters, purlins connected to common rafters and the like complete and as per direction of Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	9.29 Quintals			Per quintal	
3	Providing and fixing 12mm (Twelve millimetres) thick cement bonded / fiber bonded partitions walls on both side of approved quality with butt jointing and nail/screws jointed with structural steel frame (Frame work to be paid for separately) and 25mm (Twenty five millimetres) thick glass wools filled in the cavity of walls (Glass work to be paid for separately) complete and as per entire satisfaction of the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	95.65 Square metres			Per square metre	
4	Providing and fixing 25mm (Twenty five millimetres) thick glass wools filled in the cavity of cement bonded fiber/partical walls complete and as per entire satisfaction of the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	110.50 Square metres			Per square metre	
5	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick preprinted steel sheet ISI marked or its equivalent in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyster of 10 (Ten) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diametres with preprinted limpet and rubber washers complete with all accessories as required including carriage of materials within all leads, lifts of materials and other incidentals and further as per specification approved architectural drawing, design and specification as directed by the Engineer-In-charge.	10.84 Square metres			Per square metre	
6	Construction of prefabricated modular structure of polyurethane foam sandwiched between pre-painted 0.5mm (Zero point five millimetres) thick Galvanized steel sheets made on continuous line plant with panel thickness of 50mm (Fifty millimetres) short Rib configuration for extra strength with off white colour. The panel type will be tongue and groove for air tight, effective panel to panel interlocking with density of 40+-2 kg/m3 for walls and roof. The thickness of 30/65mm (Thirty / sixty five millimetres) max upto rib tapered trapezoidal profiled for roof to prevent the structure from rain water with inbuilt features like boxed edges, which prevent the rain water from free falling and helps drive the water towards the sides of the structure. The colour of panels with density of 40+-2kg/m3 will be off white complete as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	32.50 Square metres			Per square metre	
7	Providing and fixing ridges or hips laying propper Gola/ shape 60cm (Sixty centimeters) over all with 0.60mm (Zero point Six zero millimeters) thick preprinted sheet ridges with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyster of 5 (Five) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diametres with preprinted G.I. limpet and bitumen washers complete with all accessories as required including carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-In-charge.	19.80 Running metres			Per running metre	

8	Providing and fixing valley 90cm (Ninety centimeters) over all with 0.60mm (Zero point Sixty millimeters) thick pre-painted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 5 (Five) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diameters with pre-painted G.I. limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-In-Charge.	12.00 Running metres		Per running metre	
9	Providing and fixing G.I. Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm (Zero point five millimeters) thick pre-painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm (Three hundred millimeters) center to center, suspending the main C carrier of size 10x38x10 mm made (Ten into thirty eight into ten millimeters) of G.I steel 0.7 mm (Zero point seven millimeters) thick from the soffit with help of soffit cleat 37x27x25x1.6 mm (Thirty seven into twenty seven into twenty five into one point six millimeters), rawl plugs of size 38x12 mm (Thirty eight into twelve millimeters) and C carrier suspension clip and main carrier bracket at 1000 mm one thousand millimeters center to center inverted triangle shaped Spring Tee having height of 24 mm (twenty four millimeters) and width of 34 mm (thirty four millimeters) made of GI steel 0.45 mm (zero point forty five) thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm (Six hundred millimeters) centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (One hundred) (both side inclusive), fixing with clip in tiles into spring T with GI Metal Ceiling Clip and filled with glass wool complete including entire carriage of materials within all leads lifts and other incidentals and as directed by the Engineer-in-Charge.	8.86 Square metres		Per square metre	
10	Providing and laying duro stone vetrified tiles 300x300mm (Three hundred into three hundred millimeters) in grey/coloured of required shade Nitca/Rak/Simpolo/Kajaira in skirting risers of steps and dados on 12mm (Eleven millimeters) thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete and as per directed by the Engineer- Incharge, including entire carriage of material within all leads, lifts and other incidentals.	12.05 Square metres		Per square metre	
11	Providing and fixing anti skid water proof stain and impet resistant heavy duty vetrified tiles Nitco or equivalent 600x600mmx10mm (Six hundred into Six hundred into ten millimeters) manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimeters) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	3.63 Square metres		Per square metre	
12	Providing and fixing anodised /colour 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, mited 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 complete and as per direction of Engineer- Incharge. including carriage of materials within all leads, lifts and other incidentals.	65.75 Kilograms		Per kilo-gram	

13	Providing and fixing anodised /colour 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 complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	56.00 Kilograms		Per kilo-gram	
14	Providing and fixing 250x16mm(Two hundred fifty into sixteen millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers		Each	
15	Providing and fixing 100mm (One hundred millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers		Each	
16	Providing and fixing 300x16mm size (Three hundred into sixteen millimetres)nominal size anodized aluminium sliding door bolts 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.	12 Numbers		Each	
17	Providing and fixing oxidized M.S. presses parliamentary hinges with necessary screws etc complete 150x125x 27x2.80mm complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	15 Numbers		Each	
18	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10.89 Square metres		Per square metre	
19	Supplying and fixing 5.5mm (Five point five millimetres) thick plain glass panes with putty and nails including removal of broken glass panes wherever necessary complete as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10.89 Square metres		Per square metre	
20	Painting two coats (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 white readymixed paint complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	63.78 Square metres		Per square metre	
21	Wall painting(Two coats) with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease,loose pieces of scal and sand papered smooth as directed by the Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals	131.73 Square meters		Per square metre	
23	Providing and fixing 550x400mm (Five hundred fifty into four hundred millimetres) (vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white Cera, Jaquar and Hindware including cutting holes and making good the same but excluding fittings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Number		Each	

24	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
25	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
26	Providing and fixing 32mm (Thirty two millimetres) diametres M.I. Union for wash basin or sink ISI make complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
27	Providing and fixing 100mm (One hundred millimetres) diametres C.P brass grating for gully floor or Nahni trap ISI make complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
28	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
29	Providing and fixing 600x20mm (Six hundred into Twenty millimetres) size C.P. Brass Towel rail Cera, Jaquar and Hindware complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
30	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 complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
31	Providing and fixing 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.	2 Numbers			Each	
32	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
33	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
34	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
35	Providing and fixing bath shower Cera, Jaquar and Hindware complete with necessary fitting complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
36	Providing and fixing wall mixing faucet for shower and bath with overhead pipe (1210cm) (One thousand two hundred ten centimetres) and bath shower complete, as per the directions of Engineer-In-Charge including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	

37	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
38	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
39	Providing and fixing bright finished M.S. hydraulic door closer within all leads, lifts of materials and other incidentals as per approved drawing, design complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	20 Numbers		Each	
40	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera, Jaquar and Hindware in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
41	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
42	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal and Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.				
i)	15mm (Fifteen millimetres) nominal bore	35.00 Running metres		Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	20.00 Running metres		Per running metre	
TOTAL :-					


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

Schedule of Quantity

ESTIMATED COST :- Rs. 499885.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Restoration of rain damages on link road Nihargalu to SC Basti Lahru Mata road in Distt. Kangra (H.P.)
 SUB HEAD :- Improvement of road width by providing Retaining walls at various RDs and Providing and laying cement concrete pavement at RD 0/000 to 0/100

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	38.94 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	48.84 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	22.15 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, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	12.48 Cubic metres			Per cubic metre	
5	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point 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 within all leads and lifts and other incidental.	22.65 Cubic metres			Per cubic metre	

6	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) (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.	45.90 Cubic meters			Per cubic metre
TOTAL :-					


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 499688.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Nurses Duty Room in Truma Centre at Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP)
 SUB-HEAD :- Construction of building portion.

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and laying cement concrete work 1:2:4 (one cement isto two sand isto four graded stone aggregate 20mm (twenty millimetres) nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in suspended floor roof, landing and shelves and their support balcones , beams , girders, bressumers and conitlver upto floor two level complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1.45 Cubic metres			Per Cubic metre	7
2	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 jack rafters, purlins connected to common rafters and the like complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	9.29 Quintals			Per quintal	
3	Providing and fixing 12mm (Twelve millimetres) thick cement bonded / fiber bonded partitions walls on both side of approved quality with butt jointing and nail/screws jointed with structural steel frame (Frame work to be paid for separately) and 25mm (Twenty five millimetres) thick glass wools filled in the cavity of walls (Glass work to be paid for separately) complete and as per entire satisfaction of the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	95.65 Square metres			Per square metre	
4	Providing and fixing 25mm (Twenty five millimetres) thick glass wools filled in the cavity of cement bonded fiber/partical walls complete and as per entire satisfaction of the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	110.50 Square metres			Per square metre	
5	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick preprinted steel sheet ISI marked or its equivalent in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 10 (Ten) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diametres with preprinted limpet and rubber washers complete with all accessories as required including carriage of materials within all leads, lifts of materials and other incidentals and further as per specification approved architectural drawing, design and specification as directed by the Engineer-Incharge.	10.84 Square metres			Per square metre	
6	Construction of prefabricated modular structure of polyurethane foam sandwiched between pre-painted 0.5mm (Zero point five millimetres) thick Galvanized steel sheets made on continuous line plant with panel thickness of 50mm (Fifty millimetres) short Rib configuration for extra strength with off white colour. The panel type will be tongue and groove for air tight, effective panel to panel interlocking with density of 40+-2 kg/m3 for walls and roof. The thickness of 30/65mm (Thirty / sixty five millimetres) max upto rib tapered trapezoidal profiled for roof to prevent the structure from rain water with inbuilt features like boxed edges, which prevent the rain water from free falling and helps drive the water towards the sides of the structure. The colour of panels with density of 40+-2kg/m3 will be off white complete as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	32.50 Square metres			Per square metre	
7	Providing and fixing ridges or hips laying propper Gola/ shape 60cm (Sixty centimeters) over all with 0.60mm (Zero point Six zero millimeters) thick preprinted sheet ridges with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diametres with preprinted G.I. limpet and bitumen washers complete with all accessores as required including carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	19.80 Running metres			Per running metre	

8	Providing and fixing valley 90cm (Ninety centimeters) over all with 0.60mm (Zero point Sixty millimeters) thick pre-painted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 5 (Five) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diameters with pre-painted G.I. linpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-In-Charge.	12.00 Running metres			Per running metre	
9	Providing and fixing G.I. Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm (Zero point five millimeters) thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm (Three hundred millimeters) center to center, suspending the main C carrier of size 10x38x10 mm made (Ten into thirty eight into ten millimeters) of G.I steel 0.7 mm (Zero point seven millimeters) thick from the soffit with help of soffit cleat 37x27x25x1.6 mm (Thirty seven into twenty seven into twenty five into one point six millimeters), rawl plugs of size 38x12 mm (Thirty eight into twelve millimeters) and C carrier suspension clip and main carrier bracket at 1000 mm one thousand millimeters centre to centre inverted triangle shaped Spring Tee having height of 24 mm (twenty four millimeters) and width of 34 mm (thirty four millimeters) made of GI steel 0.45 mm (zero point forty five) thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm (Six hundred millimeters) centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (One hundred) (both side inclusive), fixing with clip in tiles into spring T with GI Metal Ceiling Clip and filled with glass wool complete including entire carriage of materials within all leads and other incidentals and as directed by the Engineer-in-Charge.	8.86 Square metres			Per square metre	
10	Providing and laying duro stone vetrified tiles 300x300mm (Three hundred into three hundred millimeters) in grey/coloured of required shade Nitca/Rak/Simplo/Kajaira in skirting risers of steps and dados on 12mm (Eleven millimeters) thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete and as per directed by the Engineer- Incharge, including entire carriage of material within all leads, lifts and other incidentals.	12.05 Square metres			Per square metre	
11	Providing and fixing anti skid water proof stain and impact resistant heavy duty vetrified tiles Nitco or equivalent 600x600mmx10mm (Six hundred into Six hundred into ten millimeters) manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimeters) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	3.63 Square metres			Per square metre	
12	Providing and fixing anodised /colour 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, mired 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 complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	65.75 Kilograms			Per kilo- gram	

13	Providing and fixing anodised /colour 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 complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	56.00 Kilograms			Per kilo-gram
14	Providing and fixing 250x16mm(Two hundred fifty into sixteen millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each
15	Providing and fixing 100mm (One hundred millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each
16	Providing and fixing 300x16mm size (Three hundred into sixteen millimetres)nominal size anodized aluminium sliding door bolts 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.	12 Numbers			Each
17	Providing and fixing oxidized M.S. presses parliamentary hinges with necessary screws etc complete 150x125x 27x2.80mm complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	15 Numbers			Each
18	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10.89 Square metres			Per square metre
19	Supplying and fixing 5.5mm (Five point five millimetres) thick plain glass panes with putty and nails including removal of broken glass panes wherever necessary complete as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10.89 Square metres			Per square metre
20	Painting two coats (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 white readymixed paint complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	63.78 Square metres			Per square metre
21	Wall painting(Two coats) with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease,loose pieces of seal and sand papered smooth as directed by the Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals	131.73 Square meters			Per square metre
23	Providing and fixing 550x400mm (Five hundred fifty into four hundred millimetres) (vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white Cera, Jaquar and Hindware including cutting holes and making good the same but excluding fittings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Number			Each

24	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
25	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
26	Providing and fixing 32mm (Thirty two millimetres) diametres M.I. Union for wash basin or sink ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
27	Providing and fixing 100mm (One hundred millimetres) diametres C.P. brass grating for gully floor or Nahni trap ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
28	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 and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each
29	Providing and fixing 600x20mm (Six hundred into Twenty millimetres) size C.P. Brass Towel rail Cera, Jaquar and Hindware complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each
30	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 complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each
31	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
32	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 and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each
33	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
34	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
35	Providing and fixing bath shower Cera, Jaquar and Hindware complete with necessary fitting complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
36	Providing and fixing wall mixing faucet for shower and bath with overhead pipe (1210cm) (One thousand two hundred ten centimetres) and bath shower complete, as per the directions of Engineer-In-Charge including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each

37	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
38	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
39	Providing and fixing bright finished M.S. hydraulic door closer within all leads, lifts of materials and other incidentals as per approved drawing, design complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	20 Numbers		Each	
40	Providing and fixing vitreous China wash down, water closet (European type, W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera, Jaquar and Hindware in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
41	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
42	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal and Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.				
i)	15mm (Fifteen millimetres) nominal bore	35.00 Running metres		Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	20.00 Running metres		Per running metre	
TOTAL :-					

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499688.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Doctors Cabin Room in Dr R.P. Govt. Medical College at Tanda in Distt Kangra (HP)
 SUB-HEAD :- Construction of building portion.

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and laying cement concrete work 1:2:4 (one cement isto two sand isto four graded stone aggregate 20mm (twenty millimetres) nominal size and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in suspended floor roof , landing and shelves and their support balcones , beams , girders, bressumers and comilever upto floor two level complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	1.45 Cubic metres			Per Cubic metre	
2	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 jack rafters,purlins connected to common rafters and the like complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	9.29 Quintals			Per quintal	
3	Providing and fixing 12mm (Twelve millimetres) thick cement bonded / fiber bonded partitions walls on both side of approved quality with butt jointing and nail/screws jointed with structural steel frame (Frame work to be paid for separately) and 25mm (Twenty five millimetres) thick glass wools filled in the cavity of walls (Glass work to be paid for separately) complete and as per entire satisfaction of the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	95.65 Square metres			Per square metre	
4	Providing and fixing 25mm (Twenty five millimetres) thick glass wools filled in the cavity of cement bonded fiber/partical walls complete and as per entire satisfaction of the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	110.50 Square metres			Per square metre	
5	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick preprinted steel sheet ISI marked or its equivalent in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 10 (Ten) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks,bolts and nuts 6mm (Six millimetres) diametres with preprinted limpet and rubber washers complete with all accessories as required including carriage of materials within all leads, lifts of materials and other incidentals and further as per specification approved architectural drawing, design and specification as directed by the Engineer-Incharge.	10.84 Square metres			Per square metre	
6	Construction of prefabricated modular structure of polyurethane foam sandwiched between pre-painted 0.5mm (Zero point five millimetres) thick Galvanized steel sheets made on continuous line plant with panel thickness of 50mm (Fifty millimetres) short Rib configuration for extra strength with off white colour. The panel type will be tongue and groove for air tight, effective panel to panel interlocking with density of 40+-2 kg/m3 for walls and roof. The thickness of 30/65mm (Thirty / sixty five millimetres) max upto rib tapered trapezoidal profiled for roof to prevent the structure from rain water with inbuilt features like boxed edges, which prevent the rain water from free falling and helps drive the water towards the sides of the structure. The colour of panels with density of 40+-2kg/m3 will be off white complete as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	32.50 Square metres			Per square metre	
7	Providing and fixing ridges or hips laying proper Golar shape 60cm (Sixty centimeters) over all with 0.60mm (Zero point Six zero millimetres) thick preprinted sheet ridges with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with preprinted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diametres with preprinted G.I. limpet and bitumen washers complete with all accessories as required including carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	19.80 Running metres			Per running metre	

8	Providing and fixing valley 90cm (Ninety centimeters) over all with 0.60mm (Zero point Sixty millimeters) thick pre-painted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 5 (Five) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimeters) diameters with pre-painted G.I. Impet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-In-Charge.	12.00 Running metres			Per running metre
9	Providing and fixing G.I. Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm (Zero point five millimeters) thick pre-painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm (Three hundred millimeters) center to center, suspending the main C carrier of size 10x38x10 mm made (Ten into thirty eight into ten millimeters) of G.I steel 0.7 mm (Zero point seven millimeters) thick from the soffit with help of soffit cleat 37x27x25x1.6 mm (Thirty seven into twenty seven into twenty five into one point six millimeters), rawl plugs of size 38x12 mm (Thirty eight into twelve millimeters) and C carrier suspension clip and main carrier bracket at 1000 mm one thousand millimeters center to center inverted triangle shaped Spring Tee having height of 24 mm (twenty four millimeters) and width of 34 mm (thirty four millimeters) made of GI steel 0.45 mm (zero point four five) thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm (Six hundred millimeters) centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (One hundred) (both side inclusive), fixing with clip in tiles into spring T with GI Metal Ceiling Clip and filled with glass wool complete including entire carriage of materials within all leads lifts and other incidentals and as directed by the Engineer-in-Charge.	8.86 Square metres			Per square metre
10	Providing and laying duro stone vetrified tiles 300x300mm (Three hundred into three hundred millimeters) in grey/coloured of required shade Nitca/Rak/Simpolo/Kajaira in skirting risers of steps and dados on 12mm (Elevel millimeters) thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete and as per directed by the Engineer- Incharge, including entire carriage of material within all leads, lifts and other incidentals.	12.05 Square metres			Per square metre
11	Providing and fixing anti skid water proof stain and impet resistant heavy duty vetrified tiles Nitco or equivalent 600x600mmx10mm (Six hundred into Six hundred into ten millimeters) manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimeters) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	3.63 Square metres			Per square metre
12	Providing and fixing anodised /colour 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, mited 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 complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	65.75 Kilograms			Per kilo-gram

24	Providing and fixing vitreous China pedestal for wash basin complete recessed at the back for the reception of pipes and fittings including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
25	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
26	Providing and fixing 32mm (Thirty two millimetres) diameters M.I. Union for wash basin or sink ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
27	Providing and fixing 100mm (One hundred millimetres) diameters C.P. brass grating for gully floor or Nahmi trap ISI make complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
28	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 and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
29	Providing and fixing 600x20mm (Six hundred into Twenty millimetres) size C.P. Brass Towel rail Cera, Jaquar and Hindware complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
30	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 complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
31	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
32	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 and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	8 Numbers			Each	
33	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
34	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera, Jaquar and Hindware complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
35	Providing and fixing bath shower Cera, Jaquar and Hindware complete with necessary fitting complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
36	Providing and fixing wall mixing faucet for shower and bath with overhead pipe (1210cm) (One thousand two hundred ten centimetres) and bath shower complete, as per the directions of Engineer-In-Charge including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	

37	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing cistern: with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
38	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
39	Providing and fixing bright finished M.S. hydraulic door closer within all leads, lifts of materials and other incidentals as per approved drawing, design complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	20 Numbers		Each	
40	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera, Jaquar and Hindware in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
41	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers		Each	
42	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal and Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.				
i)	15mm (Fifteen millimetres) nominal bore	35.00 Running metres		Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	20.00 Running metres		Per running metre	
TOTAL :-					

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 499268.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Special repair to 500 Bedded Hospital in Dr. RPGMC at Tanda in Distt. Kangra (Deposit work)

SUB-HEAD :- Providing and fixing aluminium partition, repair of ducts and other repair in Medicine store room

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead (wooden/concrete joists to be measured and paid for separately) Stone slab/flagged floors complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	50.12 Square metres			Per square metre	
2	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20m (Twenty meters) lead (wooden/concrete joists to be measured and paid for separately) for thickness of tiles above 25mm (Twenty five millimeters) and upto 40mm (Forty millimeters) complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	45.35 Square meters			Per square metre	
3	Demolition of brick work above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20 metres lead in cement mortar complete as per direction of Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	7.25 Cubic metres			Per Cubic metre	
4	Second class brick work using common burnt clay building bricks upto any floor level in cement mortar 1:6 (One cement: Six sand) as per direction of Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	4.50 Cubic metres.			Per cubic metre.	
5	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth including raking out joints with cement mortars 1:6 (One cement: Six sand), including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.75 Cubic metres			Per cubic metre	
6	Steel work welded in built up sections trusses and framed work, including cutting, fixing, lifting, hoisting and; placing in position complete and applying a coat of red lead paint in gratings framed gaurds, bars, ladders, railing, brackets and similar work, including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	0.62 Quintals			Per quintal	
7	Supplying and fixing expended metal to wood or steel members in partitions etcetera Weight exceeding 3 kg.(Three kilograms) not exceeding 5 kg (Five kilograms) per square metre within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer- In-Charge.	10.00 Square meters			Per square metre	
8	welding of steel windows shutters where required complete including complete repair to the windows shutter including accessoried of window shutter complete and as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	25.00 Numbers			Each	

9	Providing and fixing 300x300 / 450x450/ 600x600mm (Three hundred into Three hundred / Four hundred Fifty into Four hundred Fifty / Six hundred into Six hundred millimetres) thick nominal size anti skid water proof stain and impact resistant heavy duty vetrified tiles ISI marked of Kazaria/Nitco/Rak manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimetres) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete, as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	32.96 Square metres			Per square metre
10	Providing and fixing wall tiles of size 300x450/300x600/200x300 (Three hundred into Four hundred fifty into Three hundred into Six hundred/Two hundred into Three hundred millimeters) thick in skirting , risers of steps and dado for all heights and 12mm (Twelve millimeters) thick sizes of tiles with cement mortar 1:3 (One cement: Three sand) and jointed with white cement slurry and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	28.35 Square metres			Per square metre
11	Providing and fixing anodised aluminium work (Shampion shade colour coated) for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/stainless steel screws for doors windows and ventilators and glazed partitions frames. All complete as per architectural drawings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	138.88 Kilograms			Per kilo-gram
12	Providing and fixing anodised aluminium work (Shampion shade colour coated) for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	25.22 Kilograms			Per kilo-gram
13	Providing and fixing 300x16mm size (Three hundred into sixteen millimetres) anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. complete within all leads, lifts of materials and other incidentals.	8 Numbers			Each
14	Providing and fixing 200x10mm (One hundred fifty into Ten millimetres) size aluminium oxidized Tower bolts (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc; complete including entire carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	8 Numbers			Each
15	Providing and fixing 150x10mm (One hundred fifty into Ten millimetres) nominal size aluminium Tower bolts (Barrel type) anodized transparent or dyed to required colour and shade with necessary screws etc; including entire carriage of materials as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each

16	Providing and fixing 125mm (One hundred twenty five millimetres) size aluminium handles anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as directed by the Engineer-In-Charge including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
17	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer-In-Charge, including entire carriage of material within all leads, lifts and other incidentals.	1.75 Square metres			Per square metre	
18	Supplying and fixing plate glass 5.5mm (Five decimal Five millimetres) thick glass panes with putty and nails including removal of broken glass panes wherever necessary complete as per direction of Engineer-In-Charge, including carriage of material within all leads, lifts and other incidentals.	3.45 Square metres			Per square metre	
19	15mm (Fifteen millimetres) thick cement plasters in single coat on fair side of brick/concrete/stone walls for interior plastering including arises, internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth including drip course and grooves with cement mortar 1:6 (One cement: Six sand) above plinth level to floor all levels including carriage of material within all leads, lifts and other incidentals, as per approved drawing, design and as directed by the Engineer-In-Charge.	9.45 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 carriage of materials within all leads, lifts and other incidentals	187.68 Square metres			Per square metre	
21	Wall painting(one coat)with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease,loose pieces of seal and sand papered smooth as directed by the Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals	187.68 Square metres			Per square metre	
22	Extra over items 6 for every sub sequent coat of wall paint of approved brand and manufacture as directed by the Engineer-In-Charge, including entire carriage of materials within all leads, lifts and other incidentals	88.68 Square metres			Per square metre	
23	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal/Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor as directed by the Engineer-In-Charge including carriage of materials within all leads, lifts and other incidentals.					
i)	15mm (Fifteen millimetres) nominal bore	70.00 Running metres			Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	50.00 Running metres			Per running metre	
24	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera or its equivalent in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately as directed by the Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals	5 Numbers			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) as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	5 Numbers			Each	
26	Providing and fixing plastic seat (Solid/Hollow type) and cover Cera or its equivalent for wash down water closet with C.P. Brass hinges and rubber buffers complete and complete as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	5 Numbers			Each	
27	Providing and fixing Angle back type of size 370x430x340mm (Three hundred seventy into four hundred thirty into three hundred forty millimetres) vitreous China bowl pattern urinal including connection the urinal with waste pipe by means of white lead mixed with chopped hemp (waste pipe to be measured and paid for separately) including necessary fitting complete and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	6 Numbers			Each	
28	Providing and fixing 550x400mm (Five hundred fifty into four hundred millimetres) vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white Cera or its equivalent including cutting holes and making good the same but excluding fittings and as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.	5 Number			Each	
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.	20 Numbers			Each	
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.	12 Numbers			Each	
31	Providing and fixing 32mm (Thirty two millimetres) diametre C.P. Bottle Trap for wash basin and sink and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals	20 Numbers			Each	
32	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.	20 Numbers			Each	
33	Providing and fixing 600x450mm (Six hundred into Four hundred fifty millimetres) size bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
34	Providing and fixing chromium plated brass toilet paper holder Clarion series (GA/GB Endorsing the green building norm/Green Initiative/Jaguar or equivalent (Heavy duty make ISI marked No-8931 & 8934) including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
35	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.	6 Numbers			Each	
36	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.	15 Numbers			Each	

37	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera or its equivalent complete as directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	15 Numbers			Each	
38	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.	25 Numbers			Each	
39	Providing and fixing 15 mm(Fifteen millimeters) P.V.C connection pipe with bras unions 300/450 mm (Three hundred / Four hundred fifty millimeters) length as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	50 Numbers			Each	
40	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	5 Numbers			Each	
41	Providing and fixing Division Plate for Urinals 600mm x 300 (Six hundred into three millimetres) Vitreous China complete and as per direction of Engineer-in-charge, including carriage of material within all leads, lifts and other incidentals.	5 Numbers			Each	
42	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.	5 Numbers			Each	
43	Providing and fixing PVC spigot and socketpipes Type-B for soil waste and ventilating pipe pressure not less than 6kg/cm ² (Six kilogramper centimetre square) including fixing with approved adhesive etc. complete as directed by the Engineer- in-Charge including entire carriage of materials within all leads, lifts and other incidentals.					
(i)	110mm (One hundred ten millimetres) diametres	30.00 Running metres			Per running metre	
(ii)	90mm (Ninety millimetres) diametres	30.00 Running metres			Per running metre	
(iii)	50mm (Fifty millimetres) diametres	22.00 Running metres			Per running metre	

44	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete as directed by the Engineer-In-charge including entire carriage of materials within all leads, lifts and other incidentals.					
(i)	110mm (One hundred ten millimetres) diametres	20 Numbers				Each
(ii)	90mm (Ninety millimetres) diametres	40 Numbers				Each
45	Providing and fixing PVC offset 45° (Forty five degree) marked including fixing with approved adhesive etc. complete as per the direction of the Engineer-In-charge including making good the floors and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.					
(i)	110mm (One hundred ten millimetres) diametres	10 Numbers				Each
(ii)	90mm (Ninety millimetres) diametres	20 Numbers				Each
46	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc; complete as per the direction of the Engineer-In-charge including making good the floors and as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.					
(i)	110mm (One hundred ten millimetres) diametres	12 Numbers				Each
(ii)	90mm (Ninety millimetres) diametres	40 Numbers				Each
47	Providing and fixing 110x90mm (One hundred ten into Ninety millimetres) nominal size 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 carriage of materials within all leads, lifts and other incidentals	32 Numbers				Each
48	Providing and fixing 150mm (One hundred fifty millimetres) dia for C.I. pipes M S holder bat clamps of approved design to C.I. or S.C.I. pipes embeded in including cement concrete blocks 10x10x10cm (Ten into ten into ten centimeters) of 1:2:4 (One Cement : Two Sand : Four graded crushed stone aggregate 20 mm (Twenty millimetres) nominal sizecutting and cost of cutting holes and making good the wall etc; making good including entire carriage of materials within all leads lifts and other incidentals.					
i)	150mm (One hundred fifty millimetres) dia	12 Numbers				Each
ii)	100mm (One hundred millimetres) dia	12 Numbers				Each
49	Providing and fixing 4mm (Four 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) as per approved drawing, design complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	70.00 Square metres				Per square meter
TOTAL :-						

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

Schedule of Quantity

ESTIMATED COST:- ₹ 499493.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT :- THREE MONTHS

NAME OF WORK :- Construction of Pucca Path with installation of Paver tile from the House of Bal Krishan to near Kall Mata Mandir in Ward No-6 in Distt. Kangra (H.P.) (DEPOSIT WORK).

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	13.34 Cubic metres			Per cubic metre	
1	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 and beams cantilevers etc; 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.	27.85 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 columns pillar posts and struts square rectangular polygonal in plan including mouldings, cornices etcetera; 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.	18.94 Square metres			Per square metre.	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level cement concrete 1:4:8 (One cement; four sand; eight graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size mechanically mixed and curing complete including 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.	1.63 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 1:2:4 (One cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size including carriage of material within all leads, lifts and other incidentals as per approved drawing, design, specifications and as directed by the Engineer-Incharge.	1.63 Cubic metres			Per cubic metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
5	Providing and laying in reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° (Fifteen Degree) landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (One cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size). and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	11.95 Cubic metres			Per cubic metre	
6	Providing and laying in 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 up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement 1:2:4 (One cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size including carriage of material within all leads, lifts and other incidentals as per approved drawing, design, specifications and as directed by the Engineer-Incharge.	1.60 Cubic metres			Per cubic metre	
7	Providing Tor steel reinforcement for reinforced cement concrete work including bending, binding, straightening, and placing in position complete including cost of binding wires complete and other incidentals due for its completion for all floors and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	1392.89 Kilo-grams			Per kilo-gram	
8	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (One cement : Six coarse sand : Twelve graded stone aggregate 20mm (Twenty millimetre) nominal size upto plinth level with cement mortar 1:6 (One cement : Six coarse sand) 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.	5.76 Cubic metres			Per cubic metre	
9	Boulder filling/brick bats aggregate under floor/soak pit including watering, ramming, consolidating and testing complete within all leads, lifts and other incidentals.	2.35 Cubic meters			Each	
10	Second class brick masonry using common burnt clay building bricks in super-structure upto all floor level in cement mortar 1:6 (One cement: Six sand) 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.	7.70 Cubic metres			Per cubic metre	
11	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick prepainted steel sheet of TATA Durashine/Sail/Jindal ISI marked-2-1201 in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 10 (Ten) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks,bolts and nuts 6mm (Six millimetres) diametres with prepainted limpet and rubber washers complete with all accessories as required including carriage of material within all leads, lifts of material and other incidentals and as directed by the Engineer-in-charge.	18.64 Square metres			Per square metre.	
12	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including entire carriage of materials within all leads, lifts and other incidentals	305.52 Kilogram			Per Kilo-gram	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
13	6mm (Six millimetres) thick cement plaster to ceiling in cement mortar 1:3 (One cement: Three sand) upto all floor levels complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	67.62 Square metres			Per square metre	
14	15mm (Fifteen millimetre) 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 (One cement : Six sand) above plinth level to floor all 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.	36.00 Square metres			Per square metre	
15	Providing and applying white cement based J.K. Birla white putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	103.62 Square metres			Per square metre	
16	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 New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. and as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	103.62 Square metres			Per square metre	
17	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 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	6.00 Cubic metres			Per cubic metre	
18	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.	9.00 Cubic metres			Per cubic metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
19	2 Providing and laying 60mm (Sixty millimetre) thick cement concrete paver block of M-35 grade with approved colour, design and pattern. factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking 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 as directed by the Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	3 57.80 Square metres	4	5	6 Per square metre	7
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 357200.00
 EARNEST MONEY :- ₹ 7150.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Balance work of Special repair to Type-IV Qtrs. (TBS) in Dr. R.P. Govt. Medical College at Tanda in Distt. Kangra (H.P.)

SUB-HEAD :- Providing and fixing AC sheet, cement concrete, interlocking paver, rain water pipe, granite stone, wall tile, aluminium work, W.S. & S.I. etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Providing and fixing 6 mm (Six millimetres) 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 and as per direction of Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals..	48.30 Square metres			Per square metre	7
2	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm (One point four millimetres) in both directions with wire of dia 0.63 mm (Zero point sixty three millimetres) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals..	35.20 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 and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals..	5.18 Cubic metres			Per Cubic metre	
4	Stone filling in plinth with approved quality under floor including watering, ramming, consolidating and dressing complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	4.26 Cubic metres			Per Cubic metre	
5	Providing and laying 60mm (Sixty millimetres) thick factory made cement concrete interlocking paver block of M -30 (M-Thirty) grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm (Fifty millimetres) thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	35.15 Square metres			Per Square metre	
6	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten 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.					
i	100mm (One hundred millimetres) dia pipes	20.40 Running metres			Per Running metre	
ii	90mm (Ninety millimetres) dia pipes	35.70 Running metres			Per Running metre	
7	Providing and fixing single tee with door 75x75x75 mm (Seventy five into seventy five millimetres) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
8	Providing and fixing single tee without door 75x75x75 mm (Seventy five into seventy five millimetres) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
9	Providing and fixing Coupler 110 mm (One hundred ten millimetres) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
10	Providing and fixing Bend 110 mm (One hundred ten millimetres) complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	12 Numbers			Each	
11	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 and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	428.50 Kilo grams			Per Kilo gram	
12	Providing and laying 600x600 mm (Six hundred into si 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	12.30 Square metres			Per Square metre	
13	Providing and laying 300x450 mm (Three hundred into four hundred fifty millimetres)Size of Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (Zero point zero 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	48.20 Square metres			Per Square metre	
14	Providing and fixing 500 (Five hundred litres) litres net capacity tank PVC water storage tank of ISI : 9001 : 2008 marked, Active G.I. inlet and outlet connection , 15mm nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all height above ground level complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	2 Number			Each	
15	Providing and fixing brass stop cock of approved quality complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.					
i	15 mm (Fifteen millimetres) nominal bore	2 Numbers			Each	
ii	20 mm (Twenty millimetres) nominal bore	2 Numbers			Each	
16	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.					
i	15 mm (Fifteen millimetres) nominal bore, weighing not less than 32 gms (Thirty two gms)	2 Numbers			Each	
ii	20 mm (Twenty millimetres) nominal bore, weighing not less than 40 gms (Forty gms)	2 Numbers			Each	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
17	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 thick stone slab over 20 mm (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 and polishing, moulding in single layer or double layer etc; Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent all complete as specified and as directed by the Engineer-in-Charge including entire carriage of materials within all leads, lifts and other incidentals.	8.24 Square metres			Per Square metre	
18	Providing and fixing 100x10 mm (One hundred into ten millimetres) bright finished brass tower bolts (barrel type) with necessary screws etc. complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	130 Numbers			Each	
19	Providing and fixing 125 mm (One hundred twenty five millimetres) 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 etc. complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	32 Numbers			Each	
20	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
21	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. comp complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	16 Numbers			Each	
22	Providing and fixing 32 mm (Thirty two millimetres) dia Semi rigid pipe P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
23	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	3 Numbers			Each	
24	Providing and fixing bath shower complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
25	Providing and fixing S.S. curtain rod including fitting complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	45.00 Running metres			Per Running metre	
26	Providing and fixing Rectangular shape 453x357 mm (Four hundred fifty three into three hundred fifty seven millimetres) mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm (Six millimetres) thick hard board backing complete and as per direction of Engineer- Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
TOTAL :-						

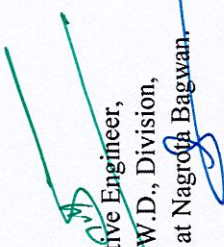
Executive Engineer,
HP PWD Division,
Tanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: - Rs. 148913.00
 EARNEST MONEY : - Rs. 3000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain damages on Barana Mariayri Chowki Nehar Palahchaklu road Km 0/000 to 8/000 in Distt. Kangra (H.P.)
SUB HEAD :- Construction of U-Shape drain in Km 5/865 to 5/955

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	56.70 Cubic meters			Per cubic metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	31.73 Cubic metres			Per cubic metre	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST :- Rs. 183999.00
 EARNEST MONEY :- Rs. 3700.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Khundian MDR-93 road Km 0/000 to 49/400 in
SUB HEAD :- Construction of Retaining wall at RD 1/250 to 1/264

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	17.51 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	44.16 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	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, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	17.14 Cubic metres			Per cubic metre	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST: - Rs. 149327.00
 EARNEST MONEY :- Rs. 3000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of Pucca Path from Parmod Singh House to Neembu Tree (VKV/2021/240)/6 in Distt. Kangra (H.P.)
 SUB HEAD :- Providing and laying cement concrete pavement road at RD 0/000 to 0/049 (Deposit work).

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 milimetres) 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.	11.58 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (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.	23.15 Cubic meters			Per cubic metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 127289.00
 EARNEST MONEY :- ₹ 2550.00
 TIME LIMIT : TWO MONTHS

NAME OF Construction of link road to village Bharoon in Gram Panchayat Ustehar in Distt. Kangra (H.P).
SUB-HEAD :- Construction of 1.00 mtrs span R.C.C. slab culvert at RD 0/200

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation in drains and channels etc; in earth work in all kind of soil, such as pick work, jumper work, pick jumper work, blasting work, hard and soft blasting, saturator soil including chiseling or any other mixed variety of soil, lift upto any heights, stacking the excavated soil for all heights from the edge of excavation and then returning the stacked soil in 15cm (Fifteen centimeter) layer when required into plinths sides of foundations etc. Consolidating each deposited layer by ramming, watering and then disposing of all surplus excavated earth as directed by the Engineer-In-charge, including entire carriage of materials within all leads, lifts and other incidentals.	17.47 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.36 Cubic metres			Per cubic metre	
3	Providing concrete for plain/reinforced concrete in substructure 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-In-charge including carriage of materials within all leads, lifts and other incidentals.	14.74 Cubic metres			Per cubic metre	
4	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	0.60 Cubic meters			Per cubic metre	
5	Providing and laying concrete for plain reinforcement concrete/sub structure in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-25) (M-twenty five) nominal mix 1:1.5:3 (One cement : One and Half sand : Three graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness in deck slab as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads and lifts and other incidentals.	1.92 Cubic meters			Per cubic metre	
6	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.	296.00 Kilograms			Per kilo-gram	
TOTAL :-						


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

Schedule of Quantity

ESTIMATED COST: - Rs. 499820.00
 EARNEST MONEY :- Rs. 10000.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road from Baroh Bus Stand to Thana Lahar via Oie Kamlota in Distt. Kangra (H.P.)

SUB HEAD :- Providing and laying cement concrete pavement road at RD 1/672 to 1/836

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.	38.75 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 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.	77.49 Cubic meters			Per cubic metre	
TOTAL :-						


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