

**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 **27.10.2022** up to **11:00 A.M.** And the same shall be opened on the same day at **04:00 P.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **26.10.2022** up to **4:00 P.M.** and the application for issue of tender form shall be received on **25.10.2022** 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 Junior Engineer Office –Cum Residence at Nagrota Bagwan Distt in Kangra (HP) (SH:-Dismantling of roofing concrete work flooring and paining etc;),	499313/-	10000/-	Three months
2	Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Khindian Nahlian MDR-93 road Km 0/000 to 49/400 in Construction of retaining wall at RD 1/200 to 1/215).	183999/-	3700/-	Two months
3	Balance work of Girls Hostel 100 Nos in B. Pharmacy College at Nagrota Bagwan Distt Kangra (HP) (SH:-Providing and fixing PVC Door frame & shutter wire Gauge shutter & CC 1:4:8)	499689/-	10000/-	Two months
4	Special repair to 500 Bedded Hospital in Dr RPGMC at Tanda in Distt Kangra (Deposit work) (SH:-Providing and fixing aluminium partition, repair of Ducts and other repair in Medicine store room (Part-III)	499268/-	10000/-	Three months
5	Construction of Gau Sadam at Nagrota Bagwan in Distt Kangra (HP) (SH:-Balance work of retaining wall and drain etc;)	436681/-	8750/-	Three months
6	C/O paver Block tile from main road to Ashok Kumar House Tikka Sera Ward No 2 in Distt Kangra (HP) (SH:-Providing and laying interlocking paver block (Deposit work)	192000/-	3850/-	Two months
7.	Construction of Pucca path from Main road to Baldev Singh Well in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road (Deposit work)	149665/-	3000/-	Two Months
8.	C/O Culvert near Anirudh House in Distt Kangra (HP) (SH:-Construction if 1.00 mtrs span Culvert)	197142/-	4000/-	Two months
9.	Construction of Shed in Ward No-6 in Distt Kangra (HP) Deposit work (SH:-C/O Shed)	190310/-	3850/-	Two months

Terms & Conditions:-

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

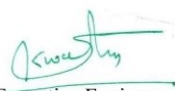
HIMSUCHANA AVAM & JAN SAMPARK

No.PW/NBD/TA/Tender/NIT/2022/ 11146-70

Copy to the following for information and necessary action:-

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

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan
(On behalf of Governor of Himachal Pradesh)
Dated/ 10-10-2022


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

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 499313.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of Junior Engineer Office-cum- Residence at Nagrota Bagwan in Dist. Kangra (HP).
SUB-HEAD :- Dismantling of roofing, concrete work, flooring and painting etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually by mechanical means including stacking of serviceable and disposal of unserviceable material upto any lead as per direction of Engineer-in-charge complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	0.67 Cubic metres			Per cubic metre	
2	Dismantling G.S. sheet roofing including ridges, hips, valleys and gutters etc., and stacking the material upto any lead complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	97.42 Square metres			Per square metre	
3	Dismantling sheet asbestos/celotax /hard board in ceiling or partition wall including stacking the serviceable material and disposal of unserviceable materials upto any lead (Frame work such as joists, beams to be measured and paid for separately)complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	65.70 Square metres			Per square metre	
4	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed upto any lead ordinary rock including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	17.92 Cubic metres			Per cubic metre	
5	Providing centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	4.75 Square metres			Per square metre	
6	Providing centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	10.80 Square metres			Per square metre.	
7	Providing centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	29.34 Square metres			Per square metre.	
8	Providing centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform of Shelves (Cast in situ) complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-charge.	81.99 Square metres			Per square metre.	
9	Painting Centering and shuttering including strutting, propping etc. and removal of form for Edges of slabs and breaks in floors and walls including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	36.20 Running metres			Per running metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
10	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40 mm (Forty millimetres) nominal size as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	0.24 Cubic metres			Per cubic metre	
11	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-In-charge.	1.19 Cubic metres			Per cubic metre	
12	Providing and laying concrete for plain reinforcement concrete in open foundation complete in columns and pillar 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) 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.	13.05 Cubic metres			Per cubic metre	
13	Providing and laying cement concrete work 1:2:4 (One Cement : Two Sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in suspended floors, roofs, landings, shelves their supports balconies, beams, girder, bressumers and cantilevers complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.81 Cubic metres			Per cubic metre	
14	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.	1560.00 Kilo-grams			Per kilo-gram	
15	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with : Cement mortar 1:6 (One cement : Six coarse sand complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12.43 Cubic metres			Per cubic metre	
16	Providing and fixing double charged verified tiles of ISI marked 600x600mm (Six hundred millimetres) approved shade and colour in flooring, treads of steps and landing laid over 12mm (Twelve millimetres) thick cement mortar 1:3 (One cement isto Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete. as per specifications, drawing and design complete, as directed by the Engineer-in-charge upto floor all levels including carriage of material within all leads, lifts and other incidentals.	45.02 Square metres			Per square metre	
17	6 mm cement plaster of mix with 1:3 (one cement : three fine sand) including carriage of material as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	79.15 Square metres			Per square metre	
18	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, channfers 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.	24.78 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 upto all floor level including arises, internal rounded angles, channfers and rounded angles not exceeding 80mm (Eighty millimetres) 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.	73.29 Square metres			Per square metre	

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
20	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.	172.83 Square metres			Per square metre	
21	Finishing walls with 100% Premium/washable acrylic emulsion paint (Two or more coats applied @ 1.43 litre/ 10 Square metres. Over and including priming coat of interior primer applied @ 0.90 litre/10 Square metres having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance interior paint of required shade (Company Depot Tinted) with silicon additives. all 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.	172.83 Square metres			Per square metre	
TOTAL :-						

Executive Engineer,
H.P.W.D., Division,
Landa at Nagroli Bagawan.

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 Jandarah Talli Tikka Dolla Kharaina Khundian Nahlian MDR-93 road Km 0/000 to 49/400 in
SUB HEAD :- Construction of Retaining wall at RD 1/200 to 1/215 (As per 1:10 scale)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
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.	17.51 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.	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-Incharge 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-Incharge 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 Nagla Bagwan

Schedule of Quantity

ESTIMATED COST - Rs.
EARNEST MONEY : - Rs.
TIME LIMIT

499689.00
10000.00
TWO MONTHS

Name of work:-Balance work of Girls Hostel 100 nos. in B-Pharmacy college at Nagrota Bagwan Distt. Kangra (H.P.)
Sub Work :- Providing & Fixing PVC Door frame & Shutter, Wire Gauge Shutter & CC 1:4:8.

S.No	Descriptions of Items	Quantity	Rate	Unit	Amount
1	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	183.60	Rmt	P/rmt.	
2	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multichambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness and as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	68.04	sqm.	P/sqm.	
3	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters With ISI marked stainless steel butt hinges of required size. Kiln seasoned selected class of sheesham wood and as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	75.60	Sqm	P/sqm.	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 20 mm nominal size) and as directed by the Engineer-in-charge including carriage of materials within all leads, lifts and other incidentals.	10.35	Cum	P/cum	
	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. R.P.G.M.C at Tanda in Dist. Kangra (Deposit work)

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

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2 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.	3 50.12 Square metres	4	5	6 Per square metre	7
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 metres			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 guards, 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 metres			Per square metre	
8	welding of steel windows shutters where required complete including complete repair to the windows shutter including accessories 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 insect resistant heavy duty verified tiles ISI marked of Kazarla/Nico/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.	Square metres	32.96			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 millimetres) thick in skirting, risers of steps and dado for all heights and 12mm (Twelve millimetres) 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.	Square metres	28.35			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, 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- In-charge, including carriage of materials within all leads, lifts and other incidentals.	Kilograms	138.88			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, mited and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/Neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals	Kilograms	25.22			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.	Numbers	8			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.	Numbers	8			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.	Numbers	6			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 pre-laminated 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) Jinda/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.	70.00 Running metres			Per running metre	
i)	15mm (Fifteen millimetres) nominal bore	50.00 Running metres			Per running metre	
ii)	20mm (Twenty millimetres) nominal bore					
24	Providing and fixing vitreous China wash down, water closet (European type, W.C. pan) with integral 'P' or 'S' trap including joining 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) diameters 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) diameter 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) diameters C.P. brass grating for gully floor or Nalni 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 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-In-charge, 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.	30.00 Running metres			Per running metre	
(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 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.	12 Numbers				Each		
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 Nagaria Bagawan

Schedule of Quantity

NAME OF WORK :- Construction of Gau Sadan at Nagrota Bagwan in Distt. Kangra (H.P.).

SUB HEAD :- Balance work of Retaining wall and Drain etc;

ESTIMATED COST :- Rs. 436681.00
EARNEST MONEY :- Rs. 8750.00
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and rammings of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	3 96.31 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	30.00 Cubic metres			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (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.	42.56 Cubic metres			Per cubic metre	
4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
5	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 including entire carriage of materials within all leads, lifts and other incidentals.	2103.00 Kilogram			Per kilo gram	
6	Providing and fixing Made of G.I. wire of dia 4 mm (Four millimetre) nominal size G.I. chain link fabric fencing of required width in mesh size 50x50 mm (fifty into fifty millimetre) including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per drawings and technical specification Clause 1204.3.8, as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	5.00 Square metres			Per square metre	
TOTAL :-						

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

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 192000.00
EARNEST MONEY :- Rs. 3850.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- C/O Paver Block tile from Main road to Ashok Kumar House Tikka Sera Ward No-2 in Distt. Kangra (H.P.).

SUB-HEAD :- Providing and laying interlocking paver block (Deposit work.)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	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.	25.16 Cubic metres			Per cubic metre	
2	Providing and laying 80mm (Eighty millimetres) thick Interlocking Concrete Paver Block as per drawings and Technical Specification Clause 1504 of ISI make including 4mm (Four millimetres) thick levelling course of sand and locking with cement concrete M-30 (M-Thirty) complete as per direction of Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	160.00 Square metres			Per Square metre	
TOTAL:-						

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

Schedule of Quantity

ESTIMATED COST :- Rs. 149665.00
EARNEST MONEY :- Rs. 3000.00
TIME LIMIT : TWO MONTHS

NAME OF WORK :- Construction of Pucca Path from Main road to Baldev Singh Well in Distt. Kangra (H.P.)
SUB HEAD :- Providing and laying cement concrete pavement road. (Deposit work.)

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	1	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 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	7.85 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	24.50 Cubic meters			Per cubic metre	
TOTAL :-						

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

Schedule of Quantity

NAME OF WORK : C/O culvert near Aninuth House in Dist. Kangra (H.P.).

SUB HEAD Construction of 1.00 mtrs span culvert

ESTIMATED COST :- ₹ 197142.00
EARNEST MONEY :- ₹ 4000.00
TIME LIMIT : TWO MONTHS

S. No.	Description of Items	Qty	Rate		Unit	Amount
			In fig	In words		
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.	3	4	5	6	7
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.	15.10			Per cubic metre	
3	Providing concrete for plain/reinforced concrete in substructure complete as per drawings and technical specifications Clause 802, 803, 1202 B (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.	10.50			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.	12.00			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			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.	175.00			Per kilo-gram	
TOTAL :-						

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

SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of Shed in Ward No-6 lin Distt. Kangra (H.P.) Deposit Work
SUB-HEAD :- C/O Shed

ESTIMATED COST :- 190310.00
EARNEST MONEY :- ₹ 3850.00
TIME LIMIT : TWO MONTH

S. No.	Description of Items	Qty	Rate		Unit	Amount
			In fig	In words		
1	Excavation in foundation, trenches etc. in earth work in all classification of soil such as pick work, jumper work, pick jumper work, blasting work, jumper blasting work, soft and hard blasting and saturated soil, de-watering, including wedging out rocks where blasting work is prohibited, chiseling or any other mixed variety of soil, de-watering and/or removal of slush and incidentals, lift upto any heights, stacking the excavated soil not more than 3 meters (Three meters) clear from the edge of excavation and then returning the stacked soil in 15cm (Fifteen centimeter) layers, when required into plinths, sides of foundation etc; consolidating each deposited layer by ramming, watering and then disposing of all excavated earth and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	3 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying cement concrete 1:4:8 (One cement, four sand, eight graded broken/crushed stone aggregate 40mm (Forty millimetres) nominal size) mechanically mixed and curing complete excluding cost of forms work in foundation and plinth within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	8.10 Cubic metres			6 Per cubic metre	
3	Providing and fixing 3" (Three inches) size iron steel pipe including necessary fixing with truss complete as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals.	29.20 Running metres			6 Per running metre	
4	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 in grating, frames, guard bar ladder, railings, bracket, gate and similar work complete including carriage of material within all leads, lifts and other incidentals and further as per HPPWD specifications, approved drawing, design and as directed by the Engineer-in-charge.	550.00 Kilo gram			6 Per kilo gram	
5	Providing and fixing 0.60mm (Zero decimal Six Zero millimetres) thick pre-painted sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diameters with pre-painted limpet and rubber washers complete with all accessories as required as directed by the Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals	52.00 Square metres			6 Per square metre	
6	Providing and fixing ridges or hips 60cm (Sixty centimetres) over all with 0.60mm (Zero point Sixty millimetres) thick pre-painted sheet roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diameters with pre-painted G.I. limpet and bitumen washers complete with all accessories as required as directed by the Engineer-In-Charge, including carriage of materials within all leads, lifts and other incidentals	6.90 Running metres			6 Per running metre	
7	Providing and fixing M.S. B.P Sheet 1.6mm to 2mm (One point sixty six to Two millimetres) thick in eaves board/facia/soffit/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately), as per directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	7.060 Square metres			6 Per square metre	
TOTAL :-						

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