

**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 **23.10.2023** up to **11:00 A.M.** And the same shall be opened on the same day at **04:00 P.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **21.10.2023** up to **4:00 P.M** and the application for issue of tender form shall be received on **20.10.2023** up to **12:00 noon.** The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

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

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1.	Special repair of RGEC Kangra at Nagrota Bagwan in District Kangra (HP) Deposit work (SH:-Dismantling of Classing, plaster work & paint work in lecture theatre block & Electronics Block etc.)	463649/-	9300/-	Two months
2.	Construction of HP PWD Rest House at Dadh in District Kangra (HP) (SH:- Providing and laying cement concrete work, plaster tiles granite , painting water supply & sanitary installation).	494022/-	9900/-	Two months
3.	Special repair of RGEC Kangra at Nagrota Bagwan in District Kangra (HP) (SH:- Deposit work (SH:-Dismantling of classing plaster work & paint work in communication Block & Civil Engineering Block etc.)	463649/-	9300/-	Two months
4.	Restoration of rain damages in Kaisthwari Tharu Warai Sunchar road Km 0/000 to 3/800 in Distt Kangra (HP) (SH:-Construction of U-shape drain in between Km 3/520 to 3/550, C/o culvert with steel granite retaining wall and steel work etc.)	499943/-	10000/-	Two months
5.	Restoration of rain damages on link road from Kandi Rihri Har Rihri Har Km 0/000 to 7/000 in Distt Kangra (HP) (SH:-Improvement of road width by providing retaining wall in Km 4/970 to 4/989).	479551/-	9600/-	Two months
6.	Special repair to Paraslinic block in Dr R.P.G.M.C. Tanda Distt Kangra (HP) (SH:-Dismantling tile, repair of plaster floor tile wall tile etc; WS & SI in Paraclinic block left side duct)	496658/-	9950/-	Two months
7.	Construction of link road from Yol to 53 Mile (Yol Rajiana road) Km 0/000 to 10/555 in Distt Kangra (HP)(SH:-Construction of rain shelter at Serathana in Km 5/810).	283041/-	5700/-	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.

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

HIMSUCHANA AVAM & JAN SAMPARK

(On behalf of Governor of Himachal Pradesh)

No.PW/NBD/TA/Tender/NIT/2023-24- **9677-9706**

Dated/ **11-10-2023**

Copy to the following for information and necessary action:-

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

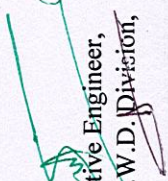
Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 463649.00
 EARNEST MONEY :- Rs. 9300.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair of RGGEC Kangra at Nagrota Bagwan in District Kangra, (H.P.). DEPOSIT WORK
SUB-HEAD :- Dismantling of Cladding, Plaster work & paint work in Lecture Theatre Block & Electronics Block etc.;

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Dismantling tile /cladding work in floors and roofs thickness of tiles above 25 mm (Twenty five millimetre) and up to 40 mm (Forty millimetre) laid in cement mortar including stacking material upto any lead 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.	982.63 Square metres			Per square metre	
2	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 or 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.	1119.99 Square metres			Per square metre	
3	Providing and applying white cement based putty of Birla / JK average thickness 1mm (One millimetres) thick, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	1119.99 Square metres			Per square metre	
4	Finishing walls with 100% (One hundred percent) premium acrylic emulsion of Asian/Dulux/Berger/Nerolac Suraksha paints of approved shade having VOC less than 50 gm/litre (Fifty grams per liter) and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives New work (Two or more coats applied @ 1.43 litre/ 10 sqm (One point forty three litre per ten square metre) over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm (Zero point ninety litre per ten square metre) upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	1119.99 Square metres			Per square metre	
TOTAL :-						


 Executive Engineer,
 H.P.P.W.D. Division,

SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 494022.00
 EARNEST MONEY :- ₹ 9900.00
 TIME LIMIT : TWO MONTHS

NAME OF Construction of H.P.P.W.D. Rest House at Dadh in District Kangra, (H.P.).


SUB-HEAD :- Providing and laying cement concrete work, plaster, tiles, granite, painting, water supply & sanitary installation etc;

Sr No.	Description of items	Quantity	RATES		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 .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.	6.72 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:2:4 (One Cement : Two coarse sand : Four 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.	2.28 Cubic metres			Per cubic metre	
3	Providing and fixing double charged vetrified tiles of ISI marked 600x600mm (Six hundred into 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.	38.97 Square metres			Per square metre	
4	Providing and laying 600x600mm (Six hundred into Six hundred millimetre) nominal size Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm (Six millimetre) thickness, including grouting of joints (Payment for grouting of joints to be made separately).complete as per approved drawing, design and as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	15.32 Square metres			Per square metre	
5	Providing and fixing 18 mm (Eighteen millimetres) thick gang saw cut, mirror polished pre moulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture granite laid over 20 mm (Twenty millimetres) (average) thick base of cement mortar 1:4 (One cement : four coarse sand) laid and joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing curing, moulding in single or double layer and polishing to edges to give high gloss finish etcetra all as per HPPWD technical specification complete in either direction as per the satisfaction of Engineer-in-charge including all taxes imposed by the government and including entire carriage of material and as directed by the Engineer-In-charge, within all leads, lifts and cost of all other incidentals.	27.50 Square metres			Per Square metre	

6	15mm(Fifteen millimetres) thick cement plaster in single coat on rough side of brick/concrete/ stone walls for interior plastering upto all floor levels including arised internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth with cement mortar 1:4 (One cement : Four sand) and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals .	19.20 Square metres			Per square metre
7	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface complete 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.	44.53 Square metres			Per Square metre
8	Wall painting (Two coats) with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	11.00 Square metres			Per Square metre
9	Painting two coats (excluding priming coat) on previously painted wood and wood based surface under coat with enamel and finishing coating with flat oil paint, brushing to give an even shade including cleaning of all dirt, dust and other foreign matter, sand papering and stopping:- With paint other than white complete as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	61.28 Square metres			Per Square metre
10	Painting Old work (one or more coats) with oil type wood preservative of approved brand and manufacture: 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.	11.02 Square metres.			Per Square metre
11	Providing and fixing 60cm (Sixty centimetres) overall with 0.60mm (Zero point six zero millimetres) thick preprinted sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating + back coat of polyester of 5 microns over 5 (Five) microns primer coating including fixing with pre-painted iron J or L hooks, bolts and nuts 6mm dia meter & pre-painted G.I. limpet & bitumen washers complete with all accessories as required complete and as per specifications, approved drawing, design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	61.07 Square metres			Per Square metre
12	Design supply & installation of suspended Spider Glazing system designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/ beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding, other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured 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.	4.41 Square metres			Per Square metre

13	Providing and fixing 20 mm(Twenty millimetre) nominal outer dia PipesChlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints 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.	65.00 Running metre			Per running metre
14	Providing and fixing 20 mm(Twenty millimetre) nominal bore gun metal gate valve with C.I. wheel of approved quality (screwed end) :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.	4 Numbers			Each
15	Providing and fixing PPR Unions 20 mm(Twenty millimetre) nominal bore 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.	65 Numbers			Each
16	Providing and fixing 15mm(Fifteen millimetre) nominal diameters CP Brass Single lever sink mixer of quality & make as approved by Engineer in charge 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.	1 Number			Each
17	Providing and fixing 15mm(Fifteen millimetre) nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms (Eight hundred ten grams) including necessary fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
18	Providing and fixing 15mm(Fifteen millimetre) nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 omplete 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.	2 Numbers			Each.
19	Providing and fixing 20 mm(Twenty millimetre) nominal bore uplasticsed PVC connection pipe with brass unions : including necessary fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	2 Numbers			Each
20	Providing and fixing PTMT towel rack complete with brackets fixed to wooden cleats with C.. brass screws with comceled fitting arrangements of approved quality and colour including necessary fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
21	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer-in-charge complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	3 Numbers			Each
22	Providing and fixing C.P. brass toilet paper holder : including necessary 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.	3.00 Numbers			Each

23	Providing and fixing 1200x900mm (One thousand two hundred into Nine hundred millimetre) beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
24	Providing and fixing 750x600mm (Seven hundred fifty into Six hundred millimetre) beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers 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.	2 Numbers			Each
25	Providing and fixing vanity with wash basin of approved brand and manufacture including all accessories fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
26	Providing and fixing Fountain Nozel of approved brand and manufacture including all accessories fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
27	Providing and fixing Pressure Pump (0.50 HP) of approved brand and manufacture including all accessories fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	2 Numbers			Each
28	Providing and fixing Submersible Motor (0.50 HP) of approved brand and manufacture including all accessories fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Number			Each
TOTAL :-					


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

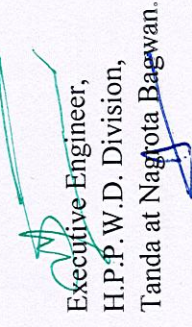
SCHEDULE OF QUANTITY

ESTIMATED COST :- Rs. 463649.00
 EARNEST MONEY :- Rs. 9300.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special repair of RGGEC Kangra at Nagrota Bagwan in District Kangra, (H.P.). DEPOSIT WORK

SUB-HEAD :- Dismantling of Cladding, Plaster work & paint work in Communication Block & Civil Engineering Block etc.;

Sr No.	Description of items	Quantity	In fig	RATES		Unit	Amount
				In words			
1	2	3	4	5	6	7	
1	Dismantling tile /Cladding work in floors and roofs thickness of tiles above 25 mm (Twenty five millimetre) and up to 40 mm (Forty millimetre) laid in cement mortar including stacking material upto any lead 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.	982.63 Square metres			Per square metre		
2	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 or 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.	1119.99 Square metres			Per square metre		
3	Providing and applying white cement based putty of Birla / JK average thickness 1mm (One millimetres) thick, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	1119.99 Square metres			Per square metre		
4	Finishing walls with 100% (One hundred percent) premium acrylic emulsion of Asian/Dulux/Berger/Nerolac Suraksha paints of approved shade having VOC less than 50 gm/litre (Fifty grams per liter) and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives New work (Two or more coats applied @ 1.43 litre/ 10 sqm (One point forty three litre per ten square metre) over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm (Zero point ninety litre per ten square metre) upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	1119.99 Square metres			Per square metre		
TOTAL :-							


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

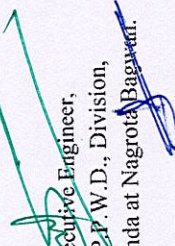
Schedule of Quantity

ESTIMATED COST :- ₹ 499943.00
 EARNEST MONEY :- ₹ 10000.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Restoration of rain drains on Kaisthwari Tharu Warai Sunehar road Km 0/000 to 3/800 in Distt. Kangra (H.P.)
SUB-HEAD :- Construction of U-Shape Drain in between Km 3/520 to 3/550, C/O culvert with steel grating, Retaining wall and steel work etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead 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.	3 42.00 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 .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.	15.30 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 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	25.08 Cubic metres			Per cubic metre	
4	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	22.05 Cubic metres			Per cubic metre	
5	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material 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.	18.90 Cubic metres			Per cubic metre	
6	Construction of embankment with approved materials obtained from borrow pits with a lift upto 1.5m (One point five meters) transport to sill spreading grading to required slope and compacted to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000m (One thousand meters) as per Technical Specification Clause 301.5, as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	418.75 Cubic metres			Per cubic metre	

7	<p>Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.</p>	9.38 Cubic metres		Per cubic metre	
8	<p>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</p>	731.28 Kilogram		Per Kilogram	
TOTAL :-					

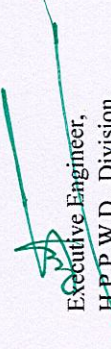

 Executive Engineer,
 H.P. W.D., Division,
 Tanda at Nagrota Bagawan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 479561.00
 EARNEST MONEY :- Rs. 9600.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Restoration of rain damages on link road from Kandi Rihri Har Km 0/000 tp 7/000 in Distt. Kangra (H.P.)
 SUB-HEAD :- Improvement of road width by providing Retaining wall in Km 4/970 to 4/989

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	28.34 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	118.09 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	46.50 Running metres			Per running metre	
4	Backfilling with granular material behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	28.08 Cubic metres			Per cubic metre	
TOTAL :-						


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

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 496658.00
 EARNEST MONEY :- ₹ 9950.00
 TIME LIMIT : TWO MONTHS

NAME OF WORK :- Special Repair to Paracnic Block in Dr. R.P.G.M.C. Tanda Distt. Kangra (H.P.)
SUB-HEAD :- Dismantling tile, Floor Tile, wall tile, Etc.W.S & S.I.in paracnic block left side Duct.

Sr No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
	2	3	4	5	6	7
1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design, specifications and as directed by the Engineer-in-charge.	15.92 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 upto any lead (wooden/concrete joists to be measured and paid for separately) 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.	190.25 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 cement concrete 1:2:4 (One cement; two sand; four graded broken/crushed stone aggregate 20mm (Twenty 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.	3.06 Cubic metres			Per cubic metre	
4	Providing and laying vitrified floor tiles of different size make of Restile Johnson/ Nitco/Kajaria / AGL / Simpulo / Sornany /Orient & Bell in flooring, treads of steps and landing as per approved shade and design of the office (thickness to be specified by the manufacturer) with water absorption less than 0.08% (Zero point zero eight percentage) and conforming to IS: 15622, of approved make, in all colours and shades, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6mm (Six millimetre) thickness including grouting of joints (Payment of grouting of joints to be made separately) 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.	45.32 Square metres			Per Square metre	
5	Providing and laying Vitrified tiles different size of make Nitco/ Raki/ Simpulo/ Kajariadifferent sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	20.41 Square metres			Per square metre	

6	Providing and fixing Anodised aluminium/colour coated (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) work for fixed portion doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) complete as per architectural drawings including carriage of material within all leads, lifts and other incidentals, as per approved specifications drawing, design and as directed by the Engineer-in-charge.	12.19 Kilograms			Per kilo-gram
7	Providing and fixing Anodised aluminium/colour coated (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15) for shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge (Glazing, paneling and dash fasteners to be paid for separately) complete as per architectural drawings including carriage of material within all leads, lifts and other incidentals, as per approved specifications drawing, design and as directed by the Engineer-in-charge.	12.19 Kilograms			Per kilo-gram
8	Providing and fixing 300x16mm (Three hundred into Sixteen millimetres) size aluminium Pilot/sheet sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etcetera including carriage of material within all leads, lifts and other. incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	5 Numbers			Each
9	Providing and fixing 250x10mm (Two hundred into ten millimetres) size aluminium Pilot/sheet tower bolts anodized transparent or dyed to required colour and shade with necessary screws etcetera 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.	4 Numbers			Each
10	Providing and fixing 100mm (One hundred millimetres) nominal size aluminium Pilot/sheet handles to required colour or shade with necessary screws etcetra 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.	4 Numbers			Each

11	Providing and fixing oxidized M.S. presses parliamentary hinges with necessary screws etcetra 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.	6 Numbers	Each	
12	Providing and fixing 12mm (Twelve millimetre) thick prelaminated particle board with decorative lamination on both sides flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etcetra 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.	2.68 Square metres	Per square metre	
13	Providing and fixing 6mm (Six millimeters) thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) complete 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.	3.84 Square metres	Per square metre	
14	Providing and laying 15 to 18 mm (fifteen to twenty millimeters) thick granite stone in flooring 20 mm(Fifteen to Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing, polishing and moulding in single/double layer complete as specified and as directed by the Engineer-in-Charge Polished Granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent complete 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.	9.85 Square metres	Per square metre	
15	Structural steel work of Tata / Sail / Reliance / Jindal 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 in grating, frames, guard bar, ladder, railing, brackets, gates and similar works 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.	29.33 Kilograms	Per kilo-gram	
16	Brick work with common burnt clay F.P.S. (Non modular) building bricks of class designation 12.5 (Twelve point five) conforming to IS :2222 in super-structure upto all floor level in cement mortar 1:6 (One cement isto 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.	2.16 Cubic metres	Per cubic metre	
17	Providing and fixing 100 mm (One hundred millimetres) diametre on wall face PVC (D-plast) rain water working pressure not less than 6.00 kg/sqm (Six decimal zero kilograms per square metre) including filling the joints with approved adhesive 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.	90.33 Running metre	Per Running metre	
18	Providing and fixing Single tee with door 110x110x110 mm (One hundred ten into one hundred ten into one hundred ten millimetre) on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetre) gap for thermal expansion complete 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.	4 Numbers	Each	

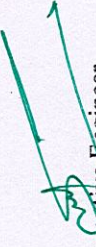
19	Providing and fixing Single tee without door 110x110x10 mm (One hundred ten into one hundred ten into one hundred ten into one hundred ten millimetre) on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetre) gap for thermal expansion complete 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.	27 Numbers			Each	
20	Providing and fixing 110 mm (One hundred ten millimetre) bend 87.5° (Eighty seven point five degree) on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm (Ten millimetre) gap for thermal expansion complete 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.	27 Numbers			Each	
21	Providing 25mm (Twenty five millimetre) thick Kota stone slab flooring 20 mm (Twenty millimetre) (average) thick base of cement mortar 1:4 (One cement : four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing, polishing and moulding in single/double layer 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.	8.96 Square metres			Per square metre	
22	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm (Two hundred millimetre) centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment) 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.	33.35 Kilograms			Per kilo-gram	
23	Providing & fixing 5.5mm (Five point five millimetre) thick glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all 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.	9.28 Square metres			Per square metre	
24	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etcetra complete as per architectural drawings including carriage of material within all leads, lifts and other incidentals, as per approved specifications drawing, design and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	187.39 Square metres			Per Square metre	
25	Providing and applying white cement based putty of Birla / JK average thickness 1mm (One millimetre) thick, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	185.39 Square metres			Per square metre	

26	Wall painting (Two coat) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly bushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for marking the surface complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer in-Charge.	185.39 Square metres			Per square metre
27	Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on undecorated wall surfaces (two coats) to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials complete upto all floor level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	185.39 Square metres			Per Square metre
	WS & SI				
28	Providing and fixing vitreous china wash basin size 630x450 mm (Six hundred thirty into four hundred fifty millimetre) of Cera, Jaquar and Hindware with C.I. brackets, 15 mm (Fifteen millimetre) C.P. brass pillar taps, 32 mm (Thirty two millimetre) C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require with a pair of 15 mm (Fifteen millimetre) C.P. brass pillar taps 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.	4 Numbers			Each
29	Providing and fixing vitreous china wash down water closet squatting pan (Indian type W.C. pan) Orissa Pan No 20090 of size 580x440mm (Five hundred eighty into four hundred forty millimetre) of Hindware/Cera/Jaguar of star white shade/snow white with 100mm (One hundred millimetre) P.V.C. P or S trap, 10 (ten) litre low level white PVC flushing cistern having dual flush (Sleek plus) flush pipe with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls (Earth work, bed concrete, foot rest to be measured and paid for separately) 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 Numbers			Each
30	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) 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 Numbers			Each
31	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 including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	5 Numbers			Each

32	Providing and fixing 100 mm (One hundred millimetre) sand cast iron grating for gully trap complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	11 Numbers			Each
33	Providing and fixing 32mm (Thirty two millimetres) diameters CP Brass waste pipe of approved quality for wash basin or sink including brass check nut including PVC waste fitting complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	11 Numbers			Each.
34	Providing 32mm (Thirty two millimetres) dia M.I. Union of approved quality for wash basin or sink 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.	3 Numbers			Each.
35	Providing and fixing flat back 600x450mm (Six hundred into Four hundred fifty millimetre) nominal size bevelled edge mirror or superior glass of Modiguard/Saint Gobian mounted on 6mm (Six millimetre) thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. brass screws and washers including necessary fitting 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.	3 Numbers			Each
36	Providing and fixing chromium plated brass soap dish of Cera, Jaquar and Hindware with C.P. brass brackets fixed to wooden cleats with C.P. brass screws 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 Numbers			Each.
37	Providing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware 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.	8 Numbers			Each.
38	Providing 15mm (Fifteen millimetres) diameters long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware 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.	8 Numbers			Each.
39	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve of Cera, Jaquar and Hindware without nuts and pipes 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.	16 Numbers			Each
40	Providing and fixing 15mm (Fifteen millimetres) nominal bore P.V.C. connection pipe Cera/Jaquar/Hindware with check nuts and brass union 30x45cm (Thirty into Forty five Centimeters) length 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.	20 Numbers			Each.

41	Providing and fixing water closet squatting pan (European Type water closet of size 780x370x690 mm (Seven hundred eighty into three hundred seventy into six hundred ninety millimetre) of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 (Three) litre/ 6 (Six) litre (adjustable to 4 (Four) litre/ 8 (Eight) litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	1 Numbers		Each.	
42	Providing and fixing stainless steel jet spray of approved quality and colour with one metre tube 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 Numbers		Each	
43	Providing and fixing 15mm (Fifteen millimetres) nominal bore to wall ceiling and floor galvanised mild steel tubes (Superior or heavy type) tube fitting and clamps including making good the wall, ceiling and floor 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.	74.67 Running metre		Per Running metre	
44	Providing and fixing 20mm (Twenty millimetres) nominal bore to wall ceiling and floor galvanised mild steel tubes (Superior or heavy type) tube fitting and clamps including making good the wall, ceiling and floor 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.	53.33 Running metre		Per Running metre	
45	Providing and fixing (Fifteen millimetres) stainless steel pillar cock of Hindware, cera fancy of approved quality and colour 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 Numbers		Each	
46	Providing and fixing 600x20mm (Six hundred into twenty millimetres) size CP Brass towel rail of Jaquar/Hindware/Cera/ESS complete with C.P. Brass brackets fixed to wooden plugs including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	4 Numbers		Each.	
47	Providing 15mm (Fifteen millimetre) brass full way valve with wheel 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	3 Numbers		Each	
48	Providing 20mm (Twenty millimetre) brass full way valve with wheel 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. The rate is inclusive of octroi, royalty, Malkana, Toll tax, sale tax, GST and any other taxes imposed by the Government.	3 Numbers		Each	

49	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 or 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.	8.36 Square metres			Per square metre
50	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 and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
51	Providing and fixing 110mm (One hundred ten millimetres) diameters plain bend on wall faces P.V.C. (D-Plast) accessories for rain water pipes of Supreme/Sant including filling the joints with approved adhesive complete as directed by the Engineer-Incharge as per specifications, including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
52	Providing and fixing vitreous China squatting plate pattern urinal Cera or its equivalent of size 450mmx350mm (Four hundred fifty into three hundred fifty millimetres) with integral longitudinal flush pipe.as directed by the Engineer-Incharge including entire carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each
53	Providing and fixing 15mm (Fifteen millimetre) iametre Urinal Spreader Parryware ISI makred including necessary fitting complete as directed by the Engineer-Incharge including entire carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each
TOTAL :-					


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

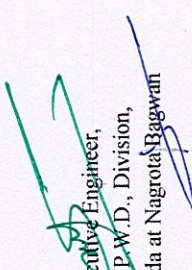
SCHEDULE OF QUANTITY

ESTIMATED COST:- ₹ 283041.00
 EARNEST MONEY:- ₹ 5700.00
 TIME LIMIT :- TWO MONTHS

NAME OF WORK :- Construction of link road from Yol to 53 Miles (Yol Rajiana road) Km 0/000 to 10/555 in Distt. Kangra (H.P.).
SUB-HEAD :- Construction of Rain Shelter at Serathana in Km 5/810

S. No.	Description of items	Quantity	RATES		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Random rubble masonry/polygonal rubble masonry (un-coursed/ brought to courses) with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (One cement: Six sand Twelve graded broken stone crushed aggregate 20mm(Twenty millimetres nominal size) at plinth level 1:6 (One cement: Six sand) as directed by the Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals.	4.50 Cubic metres			Per Cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (One Cement : Two coarse sand : Four graded stone aggregate 20 mm (Twenty millimetres) nominal size PCC Grade (M-20) (M-twenty) nominal mix 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.	4.50 Cubic metres			Per cubic metre	
3	15mm (Fifteen millimetres) thick cement plaster in single coat on fair side of brick/concrete/stone walls for interior plastering upto all floor levels including arises internal rounded angles, chamfers and or rounded angles not exceeding 80mm (Eighty millimetres) in girth and finished even and smooth with cement mortar 1:6 (One cement: Six sand) including entire carriage of materials within all leads, lifts and other incidentals	150.30 Square metres			Per square metre	
4	Providing and fixing M.S. B.P. sheet 1.66 mm to 2mm thick in eaves board/facia/soffits/ ceiling including cutting, Fixing and welding to seal 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) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	11.04 Square metres			Per square metre	
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 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.	115.00 Kilo gram			Per kilo gram	
6	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 and moulding in single/double layer etc; all complete as specified and as directed by the Engineer-in-Charge Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	5.25 Square metres			Per square metre	

7	Providing and laying 600x600mm (Six hundred into six hundred millimetres) nominal size vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (One cement : Four coarse sand, jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete as directed by the Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals.	34.00 Square metres			Per square metre
8	Wall painting (Two coat) with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly bushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying of putty as required for marking the surface complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	260.00 Square metres			Per Square metre
9	Painting steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture as per specifications, drawing and design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	50.00 Square metres			Per square metre
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.	18.00 Cubic metres			Per cubic metre
11	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.	200.00 Kilo grams			Per kilo-gram
Total :-					


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