

GOVT. OF JAMMU & KASHMIR
OFFICE OF EXECUTIVE ENGINEER JSD DIVISION HANDWARA

M/S : Mohd Usama Mir
S/o : KH Ali Mohd Mir
R/o : Gulshanpora Tral Pulwama
Regd No : SE/HYD/AAV/SOPORE/140/2004-05
GST No. : 0ADHPU5126H1ZP
No. : PHE/Hand/ 3921-24

Date: 25/3/2023

Adv. Cost : - Rs 78.30 Lacs
Allotted Cost: -Rs.7977313.00/-
Time of Completion _____ days

Sub : L/F of Pipes, Construction of 20000 Gallons capacity Service Reservoir, Sluice Chamber, Catch water drain, Chowkidar Quarter, Barbed Wire fencing , Toe Wall, Pump House Cum Operator Qtr for Kashmiri Migrants at Natnoosa (Under.JJM)

Ref:- Your tender in response to this office E-NIT No 39 /PHE /Hand of 02/2023 S.No.1 issued under this Office No.3244-53 of 10.02.2023.

2. District Development Commissioner Kupwara's authorization No. . DDCK/Plg/MoM/14446-48 dated.20-03-2023
3. Accord No.CE/PHE/DB/JJM/330 OF 02/2023 Dtd. 09.02.2023
4. Technical Sanction Order No.CE/PHE/DB/88 OF 03/2023 Dtd. 02.03.2023.

For and on behalf of Governor of Jammu & Kashmir UT State, contract for the above subjected work, is here by fixed with you on the negotiated / following rates, terms and conditions which are reproduced as under:

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Alloted Rate	Amount
1	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed in:-All kinds of Soil	542.11	Cum	436.00	236359.96
2	Earth work in excavation by mechanical means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed In all kinds of Soil	251.52	Cum	841.60	211679.23
3	Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m2 on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. in all kinds of Soil	116.75	Cum	188.75	22036.56
4	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :Addl 1 lift All kinds of Soil	4.46	Cum	81.65	364.16
5	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and incl carriages manual/mechanical with all leads and lifts complete	45.01	Cum	1320.00	59413.20
6	Providing and laying in position cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:4:8 mix (1 Cement: 4 Course Sand : 8 graded crushed stone agg 40mm nominal size)	20.54	Cum	4861.84	99862.19
7	Providing and laying in position cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:3:6 mix (1 Cement: 3 Course Sand : 6 graded crushed stone agg 40mm nominal size)	44.53	Cum	5399.02	240418.36
8	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with: ((1:2:4 1 Cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	25.65	Cum	6465.20	165832.38
9	Providing and laying in position Reinforced cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:2:4 mix (1 Cement: 2 Course Sand : 4 graded crushed stone agg 20mm nominal size)	34.57	Cum	6978.68	241252.97
10	Providing and laying in position Reinforced cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:1.5:3 mix (1 Cement: 3 Course Sand : 3 graded crushed stone agg 20mm nominal size)				

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11	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.	16.82	Cum	7911.26	133067.39
12	All works above plinth level upto floor V level	18.68	Cum	9302.98	173779.67
13	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement 1:1½:3 mix.	1.34	Cum	9408.14	12606.91
14	Reinforced cement concrete work in suspended floors, roofs having slope upto 15°, beams etc upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with: 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	13.71	Cum	9849.35	135034.59
15	Reinforced cement concrete work in arches, archribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with: 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	5.58	Cum	10404.50	58057.11
16	Providing and laying in position specified grade of plain cement concrete exclud. cost of centring, shuttering, finishing - All work upto plinth level:(M20 grade with 20 mm nominal size crushed aggregates)	4.09	Cum	7287.28	29804.98
17	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :Cement mortar 1:6 (1 cement : 6 coarse sand)	32.63	Cum	6802.13	221953.50
18	Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level	32.63	Cum	1456.02	47509.93
19	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	8185.92	Kg	87.18	713648.51
20	Centering and shuttering including strutting, propping etc. and removal of form for:Foundations	324.94	Sqm	262.30	85231.76
21	Walls	231.14	Sqm	573.85	132639.69
22	Beams	18.32	Sqm	502.85	9212.21
23	Suspended Floors	115.58	Sqm	635.60	73462.65
24	Columns	7.56	Sqm	680.15	5141.93
25	Domes incld extra for exceeding 6 Mtr Span	44.64	Sqm	3095.25	138171.96
26	Edges of slabs and breaks in floors upto 200mm thick.	17.25	RM	242.30	4179.68
27	Extra for Centering and shuttering in Circular Foundations	7.96	Sqm	52.46	417.58
28	Walls	145.30	Sqm	114.77	16676.08
29	Beams	16.18	Sqm	100.57	1627.22
30	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately): 2nd class Kail Wood	2.09	Cum	92065.35	192416.58
31	Providing and fixing panelled or panelled and glazed shutters for Doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. Second kail wood 35mm thick	14.39	Sqm	2745.95	39514.22
32	Providing and fixing panelling or panelling and glazing in panelled or panelled nd glazed shutters for doors, windows and clerestory windows (Area of pening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick Decorative ply wood both side decorative veneer (type 1) conforming to IS 1328 BWR type				
33	Decorative ply wood both side decorative veneer (type 1) conforming to IS 1328 BWR type	8.63	Sqm	2360.65	20372.41
34	Float glass panes 4 mm thick glass pane (weighing not less than 10 kg/sqm)	4.36	Sqm	1768.05	7708.70

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35	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. Second kail wood 35mm thick	14.26	Sqm	3338.05	47600.59
36	Providing and fixing wire gauze shutters using galvanized M.S.	20.34	Sqm	3307.80	67280.65
37	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	1661.10	Kg	88.50	147007.35
38	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	63.00	No	163.05	10272.15
39	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over & including priming coat of exterior primer applied @ 0.90 litre/10 sqm	166.39	Sqm	149.40	24858.67
40	Finishing with Deluxe multi surface paint system for interiors and exteriors using primer as per manufacturers' specifications:Painting wood work with deluxe multi surface paint of required shade. Two or more coats applied @ 0.90litre/10sqm over an under coat of primer applied @ 0.75litre/10sqm of approved brand and manufacture	100.00	Sqm	125.50	12550.00
41	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	53.46	Sqm	91.80	4907.63
42	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete	8.91	Cum	787.40	7015.73
43	Cement concrete flooring 1:2:4 (1cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete.50 mm thick with 20mm nominal size stone aggregate	66.05	Sqm	555.50	36690.78
44	12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	323.06	Sqm	343.75	111051.88
45	12mm Cement plaster of mix: 1 : 4 (1 cement : 4 coarse sand)	201.99	Sqm	260.05	52527.50
46	15mm Cement plaster on the rough side of single or half brick wall of mix: 1 : 6 (1 cement : 6 coarse sand)	222.52	Sqm	278.60	61994.07
47	Laying and fitting of G.I. pipes (all classes) pipes, fittings and Earth work complete excluding cost of pipes and earth work.				
48	80 mm Dia G.I. Pipes	100.00	Mtr	73.05	7305.00
49	65mm Dia G.I. Pipes	100.00	Mtr	73.05	7305.00
50	50mm Dia G.I. Pipes	1200.00	Mtr	40.80	48960.00
51	40mm Dia G.I. Pipes	1000.00	Mtr	40.80	40800.00
52	25mm Dia G.I. Pipe	1000.00	Mtr	30.65	30650.00
53	20mm Dia G.I. Pipe	1000.00	Mtr	20.25	20250.00
54	15mm Dia G.I. Pipes	1000.00	Mtr	20.25	20250.00
55	Providing and fixing gun metal gate valve with CI wheel of approved quality.				
56	20 mm nominal bore	30.00	No	463.65	13909.50
57	25 mm nominal bore	30.00	No	543.85	16315.50
58	40 mm nominal bore	20.00	No	704.70	14094.00
59	50 mm nominal bore	15.00	No	942.75	14141.25
60	65 mm nominal bore	10.00	No	1568.85	15688.50
61	80 mm nominal bore	5.00	No	2406.65	12033.25
62	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing Tee, including cutting and threading the pipe etc. complete 25 to 40 mm nominal bore	10.00	No	666.25	6662.50

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63	50 to 80 mm nominal bore	4.00	No	1268.75	5875.00
64	Supply and fixing of GI Pipe Specials conforming to IS 1239 (Part-2) (subject to non availability in Stores Viz-Viz - Requirement at Site)				
65	15 mm nominal bore G.I Unions	150.00	No	141.00	2150.00
66	20 mm nominal bore G.I Unions	50.00	No	235.00	11750.00
67	25 mm nominal bore G.I Unions	30.00	No	315.00	9450.00
68	40 mm nominal bore G.I Unions	20.00	No	500.00	10000.00
69	50 mm nominal bore G.I Unions	10.00	No	656.00	6560.00
70	65 mm nominal bore G.I Unions	10.00	No	1031.00	10310.00
71	80 mm nominal bore G.I Unions	5.00	No	1572.00	7860.00
72	15 mm dia G.I elbows	200.00	No	49.00	9800.00
73	20 mm dia G.I elbows	100.00	No	94.00	9400.00
74	25 mm dia G.I elbows	50.00	No	123.00	6150.00
75	40 mm dia G.I elbows	30.00	No	235.00	7050.00
76	50 mm dia G.I elbows	30.00	No	428.00	12840.00
77	65 mm dia G.I elbows	10.00	No	677.00	6770.00
78	80 mm dia G.I elbows	5.00	No	913.00	4565.00
79	20 mm to 15 mm G.I. sockets (reducing)	200.00	No	24.00	4800.00
80	25 mm to any smaller size G.I. sockets (reducing)	100.00	No	30.00	3000.00
81	40 mm to any smaller size G.I. sockets (reducing)	50.00	No	55.00	2750.00
82	50 mm to any smaller size G.I. sockets (reducing)	20.00	No	91.00	1820.00
83	80-65 Reducing Socket	10.00	No	150.00	1500.00
84	15 mm G.I. Tee (equal)	200.00	No	32.00	6400.00
85	20 mm G.I. Tee (equal/reducing)	100.00	No	54.00	5400.00
86	25 mm G.I. Tee (equal/reducing)	50.00	No	72.00	3600.00
87	40 mm G.I. Tee (equal/reducing)	40.00	No	145.00	5800.00
88	50 mm G.I. Tee (equal/reducing)	30.00	No	230.00	6900.00
89	65 mm G.I. Tee (equal/reducing)	10.00	No	300.00	3000.00
90	80 mm G.I. Tee (equal/reducing)	5.00	No	572.00	2860.00
91	15 mm G.I Nipple of length 3", 4" and 6"	200.00	No	35.00	7000.00
92	20 mm G.I Nipple of length 3", 4" and 6"	50.00	No	46.00	2300.00
93	25 mm G.I Nipple of length 3", 4" and 6"	40.00	No	69.00	2760.00
94	40 mm G.I Nipple of length 3", 4" and 6"	20.00	No	104.00	2080.00
95	50 mm G.I Nipple of length 3", 4" and 6"	10.00	No	144.00	1440.00
96	Laying and fitting of G.I. Pipes in trenches with flanged joints including cost of MS Flanges, nuts, bolts etc but excluding cost of earth work and pipes. 80mm dia	10.00	Joints	1100.00	11000.00
97	65mm Dia G.I. Pipes	10.00	Joints	1000.00	10000.00
98	Fabricating, Providing and fixing MS Fittings viz Bends, Tees, etc of required degree and size to be fabricated from 6mm nominal size MS Plate including cost of welding. The work should be leak proof and includes to be painted with anti corrosive red oxide primer and all carriages upto site of work complete.	150.00	Kg	147.82	22173.00
99	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. 10.5.1 Using M.S. angles 30x6mm for diagonal braces and central cross piece.	2.16	Sqm	4352.95	9402.37
100	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.: Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall: 15 mm dia. nominal bore	38.00	Mtr	431.10	16381.80
101	20mm Dia nominal bore	33.00	Mtr	476.60	15727.80
102	Providing and fixing G.I. pipes complete with G.I. fittings excluding trenching and refilling etc. (external work) 15 mm dia. nominal bore	18.00	Mtr	163.55	2943.90
103	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931	3.00	Mtr	436.50	1309.50
104	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per meter cost of total length of barbed wire used. With G.I. barbed wire	2950.23	Mtr	19.10	56349.39
105	Providing and fixing 100mm dia Sluice Valve with ISI Mark Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.	1.00	No	13164.00	13164.00

107	Providing and fixing 80mm dia Sluice Valve with ISI Mark Wheel type handle including cost of flanges, nuts, bolts, rubber insertion and carriage complete.	2.00	No	10815.00	21630.00
108	Excavating available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc, in layers no exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m	754.82	Cum	198.70	149982.73
109	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	284.00	Kg	57.90	16443.60
110	Providing and incorporating PGI sheet strips 0.80 mm thickness at construction joints and all carriages upto site of work complete job	12.72	Sqm	800.00	10176.00
111	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. For ladders and lids	100.30	Kg	133.30	13369.99
112	Providing and fixing PVC pipe bends 80mm dia for air vents.	12.00	No	100.00	1200.00
113	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength confirming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters. 80x125 mm M.S. laths with 1.25 mm thick top cover	9.67	Sqm	3238.20	31313.39
114	Providing and fixing ball bearing for rolling shutters.	4.00	No	483.10	1932.40
115	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	4159.00	Kg	91.03	378593.77
116	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc including priming coat with approved steel primer all complete. Fixed to steel windows by welding	200.00	Kg	161.25	32250.00
117	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 as required in gratings, frames, guard bars, ladder, railings, brackets, gates and similar works.	368.00	Kg	146.63	53959.84
118	Structural Steel Work in built up sections in trusses, and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Welded)	4216.80	Kg	102.13	430661.78
119	Providing and fixing G.I. Chain Link fabric fencing of required width in mesh size 50 x 50mm including strengthening with 2mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer - In- Charge made of G.I. Wire of dia 4mm.	280.00	Sqm	806.85	225918.00
120	Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like components including cost of screws etc. complete First class Budloo wood.	2.26	Cum	138685.40	313429.00
121	Providing corrugated G. S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto any pitch in horizontal/vertical or curved surface)excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gram/m2	151.19	Sqm	951.80	143902.64
122	Providing ridges or hips of width 60cm overall width plain G.S. sheets fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete.	58.07	RM	691.35	40146.69
123	Providing and fixing 15cm wide 45 cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 gram/m2	14.20	RM	626.15	8891.33

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123	Providing and fixing plained eaves boarding, 2nd class kail wood 250x32 mm (nominal size)	88.54	RM	693.90	61437.91
124	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : Budloo / Fir wood	0.90	Cum	60102.80	54092.52
125	Providing and fixing 20mm thick wooden planks ceiling (frame work for base to be paid for separately) with M.S. screws, 2nd class kail wood	43.61	Sqm	1712.85	74697.39
126	Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 2 mm thick	222.52	Sqm	172.40	38362.45
127	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer	180.07	Sqm	149.05	26839.43
128	Providing and fixing 20mm thick wooden planks ceiling (frame work for base to be paid for separately) with M.S. screws Budloo/fir wood	80.00	Sqm	1271.75	101740.00
129	Dry random rubble masonry with hard stone in foundation and plinth: With bond stone.	30.73	Cum	2497.50	76748.18
130	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	127.06	Sqm	59.50	7560.07
131	Painting with synthetic enamel paint of approved brand and manufacture to give an even shadeTwo or more coats on new work.	127.06	Sqm	121.95	15494.97
132	Applying priming coat With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	290.50	Sqm	52.75	15323.88
133	Painting steel work with deluxe multi surface paint of required shade to give an even shade. Two or more coats applied @ 0.90litre/10sqm over an under coat of primer applied @ 0.80litre/10sqm of approved brand and manufacture	290.50	Sqm	125.60	36486.80
134	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.	99.14	Sqm	59.35	5883.96
135	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	199.14	Sqm	91.80	18281.05
136	Providing and fixing aluminum sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :300x16 mm	9.00	No	292.80	2635.20
137	Providing and fixing aluminum tower bolts ISI marked anodized (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 150 x 10mm	13.00	No	80.35	1044.55
138	100 x 10mm	132.00	No	57.35	7570.20
139	Providing and fixing aluminum handles ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. 125mm	14.00	No	66.35	928.90
140	100mm	68.00	No	52.30	3556.40
141	Providing and laying 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 (1cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete Size of tile 500x500 mm	10.20	Sqm	1249.30	12742.86
142	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodized (anodic coating not less than grade AC 10 as per IS : 1868) aluminum lever handles of approved quality with necessary screws etc. complete	2.00	No	1839.60	3679.20
143	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS: 15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete. In colour such as White, Ivory, Grey, Fume Red, Brown	4.50	Sqm	1052.75	4737.38

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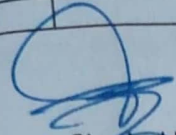
	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	29.73	Sqm	1161.05	34518.02
145	Flooring with marble stone of specified thickness as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing, polishing and curing complete with Pink plain marble				
146	Providing and fixing Polyethylene- Aluminum- Polyethylene (PE-ALPE) Composite Pressure Pipes conforming to IS: 15450, U.V. stabilized with carbon black having thermal stability for hot and cold water supply, capable to withstand temperature upto 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. Elbows, tees, reducers, couplers and connectors etc. This includes testing of joints complete as per direction of the Engineer-in-charge: Internal work-exposed on wall with clamps at 1.00 meter spacing 1620 (20mm OD) pipe	18.00	RM	321.15	5780.70
147	2025 (25mm OD) pipe	18.00	RM	385.85	6945.30
148	Providing and fixing PPR Unions PPR Union 20mm	5.00	No	259.70	1298.50
149	PPR Union 25mm	5.00	No	309.20	1546.00
150	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-charge. External work including trenching, refilling etc. 100mm nominal outer dia pipes	20.00	RM	2680.00	53600.00
151	Providing and fixing water closet Squatting Pan (Indian Type WC Pan) with 100mm sand cast iron P or S Trap, 10 ltr capacity Low Level White PVC Flushing Cistern including flush pipe of approved make with manually controlled device (Handle lever) conforming to IS: 7231 with all fittings and fixtures complete including cutting and making good the walls and floors wherever required. White vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	2.00	No	5534.85	11069.70
152	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510mm bowl depth 200mm	2.00	No	4575.20	9150.40
153	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C waste fittings complete: Semi rigid pipe 32 mm dia	2.00	No	131.15	262.30
154	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931	6.00	No	583.25	3499.50
155	Providing and fixing 15mm nominal bore CP Brass close hole Basin Mixer of approved quality and make weighing not less than 1.97 Kg	6.00	No	2207.60	13245.60
156	Providing and fixing brass stop cock of approved quality. 15 mm nominal bore	4.00	No	657.30	2629.20
157	Providing and fixing 15 mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved make conforming to IS : 8931	7.00	No	536.10	3752.70
158	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	30.00	No	69.85	2095.50
159	Providing and fixing 15 mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	6.00	No	624.65	3747.90
160	Providing and fixing ball valve of approved quality complete. 15mm nominal bore.	2.00	No	438.85	877.70
161	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour: 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	1.00	No	686.15	686.15

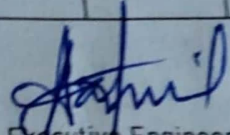
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162	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	1.00	No	790.50	790.50
163	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 15mm Dia nominal bore	20.00	RM	431.10	8622.00
164	20mm dia nominal bore	15.00	RM	476.60	7149.00
165	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, excluding trenching and refilling (External Work) 15mm Dia nominal bore	36.00	RM	163.55	5887.80
166	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	1000.00	Ltr	11.25	11250.00
167	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1cement : 4 coarse sand) , with C.I. surface box 100x100x75 mm (inside) with hinged cover fixed in cement concrete slab 1:1.5:3 mix (1 cement : 1.5 coarse sand ; 3 graded stone aggregate 20 mm nominal size) including necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand ; 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design. With common burnt clay (non modular) bricks of class designation 7.5	4.00	No	1735.00	6940.00
168	Providing and fixing PVC Soil waste and vent pipe of reputed make incld earth work and refilling. 100mm dia	36.00	RM	300.00	10800.00
169	75mm dia	21.00	RM	250.00	5250.00
170	Providing and fixing C.I manhole Cover 0.30 x 0.30m size	4.00	No	1500.00	6000.00
171	Providing and fixing PVC Door Fittings complete.				
172	100mm floor trap	2.00	No	500.00	1000.00
173	100mm door junction	2.00	No	350.00	700.00
174	100mm Collar	8.00	No	175.00	1400.00
175	100mm bends	10.00	No	250.00	2500.00
176	80mm Door Junction	4.00	No	300.00	1200.00
177	80mm floor trap	4.00	No	250.00	1000.00
178	80mm bend	12.00	No	200.00	2400.00
179	80mm Collar	8.00	No	150.00	1200.00
180	Floor Grating	6.00	No	250.00	1500.00
181	Providing and fixing M.S expended metal mesh of 20mm x 20mm size and 1.6mm thick for gable opening duly fixed on angle frame by electrowelding including applying of bapproved brand priming coat etc complete job.	7.98	Sqm	150.00	1197.00
182	Providing Lighting points . Using wire of 1-5 sqmm, copper conductor, Multi stranded , to be laid in conduites including PVC Conduit pipe of reputed make including chasing of walls and making good the same Testing / Commissioning for all points upto 6 Amp) including P/F 5 A Switches, indicators, MCB's and all connected items etc complete	18.00	points	1200.00	21600.00
183	Providing Heating Points: Upto 16 Amp using 4.00 Sqmm multistranded copper wire, but 2.5 sqmm cable for earth in green colour to be connected for all the required points/ sources including providing 16 Amp Switches, indicators PVC Conduit pipe of reputed make including chasing of walls and making good the same and all connected items etc complete	8.00	points	2000.00	16000.00
184	Providing and fixing 1200mm sweep ceiling fan complete with all accessories, including dimmer of ISI mark complete.	2.00	points	2000.00	4000.00
185	Providing and fixing of exhaust fan in 1.5 sqmm stranded wire to be laid in conduit incld providing and fixing of Exhaust fan, Conduit Pipes, Suitable switches complete.	4.00	No	2000.00	8000.00
186	Providing and fixing of MCB distribution box 10way main double door system complete.	2.00	No	5000.00	10000.00
187	Providing and fixing 16Amp MCB of approved make complete.	10.00	No	700.00	7000.00
188	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .	14.00	No	500.00	7000.00
189	Supply and fixing of Hot Water Gyser 50 Ltr Capacity including all accessories testing and commissioning complete of Superior/ approved make.	2.00	No	18000.00	36000.00
190	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				
191	Cement and Steel avq 10 Km's	185.68	MT	202.37	37576.06
192	Sand 20 km's and 20mm crushed aggregate	211.91	Cum	402.29	85249.27

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Crushed Aggregate 40mm nominal Size 7 Kms	19.98	Cum	437.30	8737.25
Bricks 110 Km's	15500.00	No	3.45	53475.00
Stones 15 Km's	2.47	Cum	401.83	992.52
G.I Pipes below 100mm dia 10 Km's from Div. Store	13.49	MT	249.65	3367.78
Carriage of materials from road site upto actual site of work by manual means (Head Load) avg 500 mtrs including loading unloading and stacking complete.				0.00
Cement	38.40	MT	282.10	10832.64
Steel	6.97	MT	605.96	4223.54
Sand and 20mm Crushed agg	107.84	Cum	621.21	66991.29
40mm crushed aggregate	9.10	Cum	671.55	6111.11
G.I Pipes below 100mm dia	13.49	MT	355.70	4798.39
Avg 300 Mtrs Head Load				
Cement	6.98	MT	210.75	1471.04
Steel	2.46	MT	452.69	1113.62
Sand and 20mm Crushed agg	23.25	Cum	438.40	10192.80
40mm crushed aggregate	3.69	Cum	473.94	1748.84
Stones	2.47	Cum	515.73	1273.85
Bricks	6157.00	No	0.82	5048.74
Total				7830107.20
Add Contractors Tender Appreciation @ 1.88% on All items				147206.0153
G. Total				7977313.00


 Checked by
 Head Draftsman


 Executive Engineer
 PHE Jal Shakti Division Handwara