

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

M/S : Afsayy Ahmad Khan  
S/o : Mohammad Mubark Khan  
R/o : Kukroosa  
Regd No : CE/I&FC/SGR/20/AA/CIVIL & SANITARY/2019-20  
GST No. : 01BPTPK1598E1ZR

No. - PHE/Hand/ 383-86 Date: 29.4.2023

Adv. Cost : - Rs 124.69 Laes  
Allotted Cost:-Rs. 12718482.15  
Time of Completion 180 days

Sub : Construction Including Successful Testing and Commissioning of Laying and Filling, Constt of Sedimentation Tank, Constt of SR 0.40 Lac Gallon, Constt of 2 No. Sluice Chamber, Constt of Intake Chamber Constt of Chain Link Fencing, Constt of Chowkidar Qtr and Constt of Anchor Blocks for WSS Takiya Shanu under JJM

Ref:- Your tender in response to this office E-NIT No 26 /THE /Hand of 2023 S.No.02 issued under this

Office No.

2. District Development Commissioner Kupwara's authorization No. DDCK/Plg/MoM/367-85 DTD. 24.04.2023
3. Accord No.CE/PHE/DB/JJM/246 OF 08/2022 DTD. 31.08.2022
4. Technical Sanction Order No.CE/PHE/DB/240 OF 08/2022 DTD. 31.08.2022

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	4435.94	Cum	436.00	1934069.84
2	Ordinary Rock	750.60	Cum	841.60	631704.96
3	Earth work in bulk excavation by manual means 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. All kinds of soil	153.30	Cum	539.35	82682.36
4	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	53.39	Cum	252.05	13456.95
5	Ordinary Rock				0.00
6	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	172.00	Cum	188.75	32465.00
7	Ordinary Rock				0.00
8	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :Addll 1 lift All kinds of Soil	76.26	Cum	81.65	6226.63
9	Ordinary Rock				0.00
10	Addll 2 lift All kinds of Soil				0.00
11	Ordinary Rock				0.00
12	Addll 3 lift All kinds of Soil				0.00
13	Ordinary Rock				0.00

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	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.				0.00
15	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete.	85.95	Cum	1320.00	113454.00
16	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: 1:4:8 mix (1 Cement: 4 Course Sand : 8 graded crushed stone agg 40mm nominal size)	47.47	Cum	4861.84	230791.54
17	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: 1:3:6 mix (1 Cement: 3 Course Sand : 6 graded crushed stone agg 20mm nominal size)	60.00	Cum	5399.02	323941.20
18	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 mix (1 Cement: 2 Course Sand : 4 graded crushed stone agg 20mm nominal size)	37.18	Cum	6465.20	240376.14
19	Providing and laying in position Reinforced cement concrete of specified grade including curing but excluding 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)	6.49	Cum	6978.68	45291.63
20	Providing and laying in position Reinforced cement concrete of specified grade including curing but excluding 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)	53.92	Cum	7801.00	420629.92
21	Providing and laying in position machine batched and machine mixed design mix <b>M-25 grade</b> 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-incharge. Note: - Cement in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is content considered payable or recoverable separately. All works upto plinth level				0.00
22	All works above plinth level upto floor V level				0.00
23	Reinforced cement concrete work in <b>walls</b> (any thickness) including attached pillasters, buttresses, plinth and string courses, fillets, <b>columns, pillars</b> , piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement. 1:1.5:3 mix.	80.62	Cum	9408.14	758484.25
24	Reinforced cement concrete work in <b>Suspended floors</b> , 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)	12.70	Cum	9849.35	125086.75

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	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.				0.00
15	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete.	85.95	Cum	1320.00	113454.00
16	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: 1:4:8 mix (1 Cement: 4 Course Sand : 8 graded crushed stone agg 40mm nominal size)	47.47	Cum	4861.84	230791.54
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21	Providing and laying in position machine batched and machine mixed design mix <b>M-25 grade</b> 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. Note: - Cement in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is content considered payable or recoverable separately. All works upto plinth level				0.00
22	All works above plinth level upto floor V level				0.00
23	Reinforced cement concrete work in <b>walls</b> (any thickness) including attached pillasters, buttresses, plinth and string courses, fillets, <b>columns, pillars</b> , piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement. 1:1.5:3 mix.	80.62	Cum	9408.14	758484.25
24	Reinforced cement concrete work in <b>Suspended floors</b> , 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)	12.70	Cum	9849.35	125086.75

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25	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)	6.97	Cum	10404.50	72519.37
26	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)	17.80	Cum	6802.13	121077.91
27	Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level	17.80	Cum	1456.02	25917.16
28	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	17517.00	Kg	87.18	1527132.06
29	Random Rubble masonry with hard stone in foundation and plinthincluding leveling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level andcuring complete with:Cement mortar 1:6 (1 Cement : 6 coarse sand)				0.00
30	Excluding Cost of Stones				0.00
31	Dry random rubble masonry with hard stone in foundation and plinth:With bond stone.	18.67	Sqm	2497.50	46628.33
32	Centering and shuttering including strutting, propping etc. and removal of form for:Foundations	204.42	Sqm	262.30	53619.37
33	Walls	865.92	Sqm	573.85	496908.19
34	Beams	22.74	Sqm	502.85	11434.81
35	Suspended Floors	78.28	Sqm	635.60	49754.77
36	Columns				0.00
37	Domes exceeding 6 Mtr Span	70.23	Sqm	3095.25	217379.41
38	Edges of slabs and breaks in floors upto 200mm thick.	18.80	RM	242.30	4555.24
39	Extra for Centering and shuttering in Circular Foundations	14.53	Sqm	52.46	762.24
40	Walls	188.27	Sqm	114.77	21607.75
41	Beams (Ring Beam of SR)	22.74	Sqm	100.57	2286.96
42	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	0.66	Cum	92065.35	60763.13
43	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. First class kail wood	6.95	Sqm	3093.80	21501.91
44	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	3.00	Sqm	2360.95	7082.85
45	Float glass panes 4 mm thick glass pane (weighing not less than 10 kg/sqm)	1.50	Sqm	1768.05	2652.08

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46	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.	9.65	Sqm	3338.05	32212.18
47	Providing and fixing wire gauze shutters using galvanized M.S. wire gauze of average width for aperture 1.4 mm in both directions with wire of dia. 0.63 mm for doors, windows and clerestory windows with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws as per direction of Engineer-in-charge Second kail wood 35mm thick	11.40	Sqm	3307.80	37708.92
48	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).	60.00	No	163.05	9783.00
49	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete				0.00
50	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	33.50	Sqm	505.00	16917.50
51	12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	582.75	Sqm	343.75	200320.31
52	12 mm thick Cement plaster 1 : 4 (1 cement : 4 coarse sand)	417.53	Sqm	260.05	108578.68
53	15mm Cement plaster on the rough side of single or half brick wall of mix: 1 : 6 ( 1 cement : 6 coarse sand)	150.65	Sqm	278.60	41971.09
54	Laying and fitting of G.I. pipes (all classes) pipes, fittings and Earth work.complete excluding cost of pipes and earth work.				0.00
55	100 mm Dia G.I. Pipes				0.00
56	80 mm Dia G.I. Pipes	300.00	Mtr	73.05	21915.00
57	65mm Dia G.I. Pipes	350.00	Mtr	73.05	25567.50
58	50mm Dia G.I. Pipes	2000.00	Mtr	40.80	81600.00
59	40mm Dia G.I. Pipes	2500.00	Mtr	40.80	102000.00
60	25mm Dia G.I. Pipe	2500.00	Mtr	30.65	76625.00
61	20mm Dia G.I. Pipe	3000.00	Mtr	20.25	60750.00
62	15mm Dia G.I. Pipes	3000.00	Mtr	20.25	60750.00
63	Providing and fixing GI Union in GI Pipe				0.00
64	15 mm nominal bore G.I Unions	100.00	No	58.00	5800.00
65	20 mm nominal bore G.I Unions	60.00	No	100.00	6000.00
66	25 mm nominal bore G.I Unions	40.00	No	130.00	5200.00
67	40 mm nominal bore G.I Unions	40.00	No	232.00	9280.00
68	50 mm nominal bore G.I Unions	30.00	No	299.00	8970.00
69	65 mm nominal bore G.I Unions	5.00	No	477.00	2385.00
70	80 mm nominal bore G.I Unions	5.00	No	551.00	2755.00
71	100 mm nominal bore G.I Unions	1.00	No	850.00	850.00
72	Providing and fixing gun matel gate value with CI wheel of approved quality.				0.00
73	20 mm nominal bore	10.00	No	463.65	4636.50
74	25 mm nominal bore	10.00	No	543.85	5438.50
75	40 mm nominal bore	10.00	No	704.70	7047.00

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76	50 mm nominal bore	5.00	No	942.75	4713.75
77	65 mm nominal bore	2.00	No	1568.85	3137.70
78	80 mm nominal bore	2.00	No	2406.65	4813.30
79	Supply and fixing of GI Pipe Specials conforming to IS 1239 (Part-2) (subject to non availability in Stores Viz-a-Viz Requirement at Site)				0.00
80	20 mm dia G.I elbows	20.00	No	39.00	780.00
81	25 mm dia G.I elbows	20.00	No	54.00	1080.00
82	40 mm dia G.I elbows	20.00	No	115.00	2300.00
83	50 mm dia G.I elbows	15.00	No	206.00	3090.00
84	65 mm dia G.I elbows	5.00	No	322.00	1610.00
85	80 mm dia G.I elbows	3.00	No	432.00	1296.00
86	20 mm to 15 mm G.I. sockets (reducing)	140.00	No	24.00	3360.00
87	25 mm to any smaller size G.I. sockets (reducing)	50.00	No	30.00	1500.00
88	40 mm to any smaller size G.I. sockets (reducing)	40.00	No	55.00	2200.00
89	50 mm to any smaller size G.I. sockets (reducing)	30.00	No	91.00	2730.00
90	80-65 Reducing Socket	10.00	No	150.00	1500.00
91	15 mm G.I. Tee (equal)	100.00	No	32.00	3200.00
92	20 mm G.I. Tee (equal/reducing)	100.00	No	54.00	5400.00
93	25 mm G.I. Tee (equal/reducing)	50.00	No	72.00	3600.00
94	40 mm G.I. Tee (equal/reducing)	30.00	No	145.00	4350.00
95	50 mm G.I. Tee (equal/reducing)	10.00	No	230.00	2300.00
96	65 mm G.I. Tee (equal/reducing)	5.00	No	300.00	1500.00
97	80 mm G.I. Tee (equal/reducing)	2.00	No	572.00	1144.00
98	15 mm G.I Nipple of length 3", 4" and 6"	80.00	No	35.00	2800.00
99	20 mm G.I Nipple of length 3", 4" and 6"	65.00	No	46.00	2990.00
100	25 mm G.I Nipple of length 3", 4" and 6"	50.00	No	69.00	3450.00
101	40 mm G.I Nipple of length 3", 4" and 6"	30.00	No	104.00	3120.00
102	50 mm G.I Nipple of length 3", 4" and 6"	20.00	No	144.00	2880.00
103	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately). 50 mm dia.	2.00	No	5147.15	10294.30
104	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	50.00	No	666.25	33312.50
105	50 to 80 mm nominal bore	10.00	No	1268.75	12687.50
106	Laying and fitting of G.I. Pipes in trenches with flanged joints including cost of 12mm MS Flanges, nuts, bolts, rubber insertion, testing and commissioning and all carriages etc complete but excluding cost of earth work and pipes. 100mm dia	42.00	Joints	1100.00	46200.00
107	80mm dia	32.00	Joints	1000.00	32000.00
108	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 antioicorrosive red oxide primer and all carriages upto site of work complete.				0.00
109	Providing and fixing 150mm dia Sluice Value with ISI Mark with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00
110	Providing and fixing 100mm dia Sluice Value with with ISI Mar Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00

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111	Providing and fixing 80mm dia Sluice Valve with with ISI MarWheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00
112	Filling 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	4613.12	Cum	198.70	916626.94
113	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)	1084.00	Kg	57.90	62763.60
114	Providing and fixing PGI Sheet strip 0.80mm thick for construction Joints incld all carriages complete.	23.00	Sqm	800.00	18400.00
115	Providing and fixing PVC pipe bends 80mm dia for air vents.				0.00
116	Laying in position centrifugally cast (spun) iron S&S or flanged pipes(excluding cost of pipe (150/125/100mm Dia D.I. Pipes)	1934.58	Qtl	245.55	475036.12
117	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket. 150mm Dia				0.00
118	150mm dia D.I. Pipes	73.00	Joints	144.70	10563.10
119	125mm dia D.I. Pipes	1500.00	Joints	105.00	157500.00
120	100mm dia D.I. Pipes	125.00	Joints	89.70	11212.50
121	Providing and fixing of ISI marked Standard CI/DI specials, Tees, Bends, Collars etc upto 300mm dia				0.00
122	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.80x1.25 mm M.S. laths with 1.25 mm thick top cover				0.00
123	Providing and fixing ball bearing for rolling shutters.				0.00
124	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.				0.00
125	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. (For Lids & Ladders)	1492.00	Kg	146.63	218771.96
126	Structural Steel Work in built up sections in trusses, and framed work, including cutting, hoisting, fixing in position and applying a priming coat coat of approved steel primer all complete. (Riveted and bolted)	4618.00	Kg	105.76	488399.68
127	Structural Steel Work in built up sections in trusses, and framed work, including cutting, hoisting, fixing in position and applying a priming coat coat of approved steel primer all complete. (Welded)				0.00
128	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.	103.50	Kg	102.13	10570.46

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129	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes	192.00	Kg	174.25	33456.00
130	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.				0.00
131	Providing and fixing aluminum hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 9.103.1 Single rubber stopper	4.00	No	54.60	218.40
132	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. Using M.S. angles 40x40x6mm for diagonal braces				0.00
133	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in charge.	356.58	Sqm	733.50	261551.43
134	Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like components including cost of screws etc. complete First class Budloo wood.				0.00
135	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	89.60	Sqm	951.80	85281.28
136	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.	48.17	RM	691.35	33302.33
137	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				0.00
138	Providing and fixing plained eaves boarding. 2nd class kail wood 250x32 mm (nominal size )				0.00
139	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : Popular wood.	3.46	Cum	30000.00	103800.00
140	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				0.00
141	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	112.11	Sqm	172.40	19327.76

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142	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	112.11	Sqm	149.05	16710.00
143	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	36.80	Sqm	59.50	2189.60
144	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work.	286.40	Sqm	121.95	34926.48
145	Applying priming coat With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works				0.00
146	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	10.35	Sqm	125.60	1299.96
147	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.	66.60	Sqm	59.35	3952.71
148	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	66.60	Sqm	91.80	6113.88
149	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				0.00
150	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 : 200 x 10mm	8.00	No	89.20	713.60
151	100 x 10mm	72.00	No	57.35	4129.20
152	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	8.00	No	66.35	530.80
153	100mm	36.00	No	52.30	1882.80
154	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				0.00
155	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:	10.50	Sqm	2171.10	22796.55
156	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	19.60	Sqm	1161.05	22756.58

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157	Providing and fixing Polyethylene- Aluminum- Polyethylene (PE-AL-PE) 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				0.00
158	2025 (25mm OD) pipe				0.00
159	Providing and fixing PPR Unions PPR Union 20mm				0.00
160	PPR Union 25mm				0.00
161	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	18.00	RM	431.10	7759.80
162	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 (Medium)	18.00	RM	163.55	2943.90
163	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				0.00
164	Supplying, Providing, assembling, Fabricating, coverding and fixing in verticalm position in Dug Well Mud Steel tubular Stening having slots of 15mm @ 300mm C/C spacing required dia 3.00 Mtrs having wall thickness not less than 12mm including painting with anti corrosive paint and cost of earth work, covering and accessories if any required at site and all carriages upto site of work complete job as perv direction of Engineer-In- Charge				0.00
165	Supplying, filling, spreading and levelling Stone boulders behind wall of Dug Well as per the direction of Engineer Incharge including all carriages and head loads etc complete				0.00
166	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 (Hnadle lever) confirming 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.	1.00	No	5534.85	5534.85
167	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	1.00	No	4575.20	4575.20

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168	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				0.00
169	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	4.00	No	1839.60	7358.40
170	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931	3.00	No	436.50	1309.50
171	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	4.00	No	624.30	2497.20
172	Providing and fixing 15mm nominal bore CP Brass close hole Basin Mixer of approved quality and make weighing not less than 1.97 Kg				0.00
173	Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of standard design and of approved make conforming to IS : 8931	1.00	No	657.30	657.30
174	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				0.00
175	Providing and fixing C.P. Brass extension nipple (size 15mm x 50mm) of approved make and quality as per direction of Engineer-in-charge				0.00
176	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	500.00	Ltr	11.25	5625.00
177	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 mortar1:3 (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				0.00
178	Providing and fixing C.I manhole Cover 0.45 x 0.45m size				0.00
179	Providing and fixing PVC Soil waste and vent pipe of reputed make incld earth work and refilling. 100mm dia	9.00	RM	300.00	2700.00
180	75mm dia	6.00	RM	250.00	1500.00
181	Providing and fixing PVC Door Fittings complete.	1.00	No	300.00	300.00
182	100mm floor trap	1.00	No	500.00	500.00
183	100mm door junction	1.00	No	350.00	350.00
184	100mm Collar	1.00	No	175.00	175.00
185	10mm Gasket	1.00	No	200.00	200.00
186	100mm bends	1.00	No	250.00	250.00
187	80mm Door Junction	1.00	No	300.00	300.00
188	80mm floor trap	1.00	No	250.00	250.00
189	80mm bend	1.00	No	200.00	200.00
190	80mm Collar	1.00	No	150.00	150.00
191	Floor Grating	1.00	No	250.00	250.00

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192	Providing Lighting points . Using wire of 1-5 sqmm, copper conductor, Multi stranded , 1100 volts, FR, for phase , neutral & earth of 1mm green colour for each point 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 Switches, indicators, MCB's and all connected items etc complete				0.00
193	Providing Heating Points: Upto 16 Amp using 4mm multistranded copper wire, 1100 volt FR to be laid for phase and neutral but 2.5 sqmm cable for earth in green colour to be connected for all the required points/ sources ncluding Switches, indicators MCB's including PVC Conduit pipe of reputed make including chasing of walls and making good the same and all connected items etc complete				0.00
194	P/Fitting / Commissioning of Main Switch board for accommodating the MCBs of sizes -HPL/ Standard / SSK make (18"x24")				0.00
195	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .				0.00
196	Supply and fixing of Hot Water Gyser 50 Ltr Capacity including all accessories incld installation, testing and commissioning complete of Superior/ approved make as per direction of Engineer-In-Charge.				0.00
197	Preparation of subgrade by excavating earth to an average of 22.5 cm depth, dressing to camber and consolidation with road roller of 8-12 tonne capacity including making good the undulation etc. and disposal of surplus earth upto 50 meters.				0.00
198	Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm				0.00
199	53 mm to 22.4 mm				0.00
200	Supplying and stacking at site Stone screening / Chippings of size 13.2/11.2 mm nominal size (Type A/B)				0.00
201	Supplying and stacking at site Good Earth				0.00
202	Laying water bound macadam sub-base with Stone aggregate and binding material, earth etc. including screening, sorting, spreading to template and consolidation with light power road roller etc. complete ( payment for stone aggregate and moorum etc, to be made separately) :				0.00
203	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				0.00
204	Cement and Steel 20 Km's	40.71	MT	356.60	14517.19
205	Cement and Steel 5 Km's	102.29	MT	183.36	18755.89
206	Sand and 20mm crushed aggregate 15 km's	293.43	Cum	341.57	100226.89
207	Sand and 20mm crushed aggregate 5 km's	60.62	Cum	341.57	20705.97
208	Crushed Aggregate 40mm nominal Size 15 Kms	66.53	Cum	371.29	24701.92
209	Bricks 110 Km's	8436.00	No	3.45	29104.20
210	G.I Pipes below 100mm dia 15 Km's from Div. Store	35.11	MT	303.65	10661.15
211	150mm dia DI Pipes 15 Km's from Div. Store	400.00	Mtrs	12.44	4976.00
212	125mm dia DI Pipes 15 Km's from Div. Store	8600.00	Mtrs	9.97	85742.00
213	100mm dia DI/GI Pipes 15 Km's from Div. Store	1000.00	Mtrs	7.46	7460.00
214	Stones for avg lead 15 Km's	18.67	Cum	401.83	7502.17
215	Carriage of materials from road site upto actual site of work by manual means (Head Load) avg 200 mtrs including loading unloading and stacking complete.				0.00

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216	Cement	32.41	MT	175.08	5674.34
217	Steel	8.31	MT	376.05	3124.98
218	Sand and 20mm Crushed agg	100.48	Cum	347.00	34866.56
219	40mm crushed aggregate	13.66	Cum	375.13	5124.28
220	G.I Pipes below 100mm dia 200 Mtrs avg Lead.	35.11	MT	220.73	7749.83
221	150mm dia DI for a length of 350 mtrs avg	400.00	Mtrs	10.97	4388.00
222	125mm dia DI for 1000 Mtrs length Avg	8600.00	Mtrs	19.19	165034.00
223	100mm dia DI/GI avg 200 Mtrs	1000.00	Mtrs	5.97	5970.00
	Total				12469100.14
	Add Contractors Tender Appreciation @ 2% on All items				249382.00
	G. Total				12718482.15

Checked by  
Head Draftsman

Executive Engineer  
PHE Jal Shakti Division Handwara