

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

M/s : Wani Brothers ✓
Prop : Altaf Hussain Wani ✓
S/o : Gh Mohi u din Wani ✓
R/o : Panzgam ✓
Regd No : CE/UE/AA/CIVIL/SANTARY/26/ 2018-19
GST No. : 01AFMPW5593P1ZB

No: - PHE/Hand/ 436-39 Date: 03/5/2023

Adv. Cost : - Rs 121.48 Lacs ✓
Allotted Cost:-Rs. 12391345.64/-
Time of Completion 18 days

Sub : Commissioning and testing of L/F, Construction of SR 0.50 LG with SC, Constt of Sluice Chamber, Constt of Dug Well, Constt of Pump House, Constt of R/Wall, B/Wall, Anchor/Saddle Blocks Constt of Clarifuculator, Constt of Approach Road for WSS Mugalpora under JJM

Ref:- Your tender in response to this office E-NIT No 40 /PHE /Hand of 2023 S.No.01 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. Accord No.CE/PHE/DB/JJM/ 246 OF 08/2022 DTD. 31.08.2022 .
4. Technical Sanction Order No. CE/PHE/DB/247 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	1372.42	Cum	436.00 ✓	598375.12
2	:-Ordinary Rock	328.20	Cum	841.60	276213.12
3	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	656.40	Cum	841.60	552426.24
4	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	1014.18	Cum	188.75 ✓	191426.48
5	Oridanary Rock				0.00
6	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	455.99	Cum	81.65 ✓	37231.58
7	Oridanary Rock				0.00
8	Addll 2 lift All kinds of Soil	230.81	Cum	163.30 ✓	37691.27
9	Oridanary Rock				0.00
10	Addll 3 lift All kinds of Soil	180.30	Cum	163.30 ✓	29442.99
11	Oridanary Rock				0.00
12	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1350.00	KL	155.55 ✓	209992.50
13	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete.	54.39	Cum	1320.00 ✓	71794.80
14	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)	25.23	Cum	4861.84 ✓	122664.22

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	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)	107.58	Cum	5399.02	580826.57
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: 1:2:4 mix (1 Cement: 2 Course Sand : 4 graded crushed stone agg 20mm nominal size)				0.00
17	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)	21.00	Cum	6978.68	146552.28
18	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)	56.32	Cum	7801.00	439352.32
19	Reinforced cement concrete work in walls (any thickness) including attached pillasters, 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. 1:1.5:3 mix.	63.56	Cum	9408.14	597981.38
20	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)	15.78	Cum	9849.35	155422.74
21	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)	8.08	Cum	10404.50	84068.36
22	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)	18.32	Cum	6802.13	124615.02
23	Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level	18.32	Cum	1456.02	26674.29
24	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	12847.00	Kg	87.18	1120001.46
25	Random Rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 Cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level and curing complete with:Cement mortar 1:6 (1 Cement : 6 coarse sand)				0.00

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26	Excluding Cost of Stones				0.00
27	Dry random rubble masonry with hard stone in foundation and plinth:With bond stone.	36.44	Sqm	2497.50	91008.90
28	Centering and shuttering including strutting, propping etc. and removal of form for:Foundations	186.28	Sqm	262.30	48861.24
29	Walls	1198.39	Sqm	573.85	687696.10
30	Beams	40.98	Sqm	502.85	20606.79
31	Suspended Floors	90.40	Sqm	635.60	57458.24
32	Columns	33.00	Sqm	680.15	22444.95
33	Domes exceeding 6 Mtr Span	64.68	Sqm	3095.25	200200.77
34	Edges of slabs and breaks in floors upto 200mm thick.	61.35	Sqm	242.30	14865.11
35	Extra for Centering and shuttering in Circular Foundations	83.21	Sqm	52.46	4365.20
36	Walls	590.05	Sqm	114.77	67720.04
37	Beams (Ring Beam of SR)	24.88	Sqm	100.57	2502.18
38	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	0.71	Cum	92065.35	65366.40
39	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	5.40	Sqm	2745.95	14828.13
40	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	3.25	Sqm	2360.95	7673.09
41	Float glass panes 4 mm thick glass pane (weighing not less than 10 kg/sqm)	2.00	Sqm	1768.05	3536.10
42	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.	7.92	Sqm	3338.05	26437.36
43	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	13.32	Sqm	3307.80	44059.90
44	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).	36.00	No	163.05	5869.80
45	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete	35.55	Cum	787.40	27992.07
46	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	39.70	Sqm	505.00	20048.50

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47	12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	195.72	Sqm	343.75 ✓	67278.75
48	15mm Cement plaster on the rough side of single or half brick wall of mix: 1 : 6 (1 cement : 6 coarse sand)	119.32	Sqm	278.60 ✓	33242.55
49	Laying and fitting of G.I. pipes (all classes) pipes, fittings and Earth work.complete excluding cost of pipes and earth work.				0.00
50	80 mm Dia G.I. Pipes	1300.00	Mtr	73.05 ✓	94965.00
51	65mm Dia G.I. Pipes	500.00	Mtr	73.05 ✓	36525.00
52	50mm Dia G.I. Pipes	2000.00	Mtr	40.80 ✓	81600.00
53	40mm Dia G.I. Pipes	1000.00	Mtr	40.80 ✓	40800.00
54	25mm Dia G.I. Pipe	2000.00	Mtr	30.65 ✓	61300.00
55	20mm Dia G.I. Pipe	2500.00	Mtr	20.25 ✓	50625.00
56	15mm Dia G.I. Pipes	1000.00	Mtr	20.25 ✓	20250.00
57	Providing and fixing GI Union in GI Pipe				0.00
58	15 mm nominal bore G.I Unions	100.00	No	58.00 ✓	5800.00
59	20 mm nominal bore G.I Unions	100.00	No	100.00 ✓	10000.00
60	25 mm nominal bore G.I Unions	50.00	No	130.00 ✓	6500.00
61	40 mm nominal bore G.I Unions	30.00	No	232.00 ✓	6960.00
62	50 mm nominal bore G.I Unions	25.00	No	299.00 ✓	7475.00
63	65 mm nominal bore G.I Unions	15.00	No	477.00 ✓	7155.00
64	80 mm nominal bore G.I Unions	20.00	No	551.00 ✓	11020.00
65	Providing and fixing gun metal gate valve with CI wheel of approved quality.				0.00
66	20 mm nominal bore	10.00	No	463.65 ✓	4636.50
67	25 mm nominal bore	10.00	No	543.85 ✓	5438.50
68	40 mm nominal bore	5.00	No	704.70 ✓	3523.50
69	50 mm nominal bore	3.00	No	942.75 ✓	2828.25
70	65 mm nominal bore	2.00	No	1568.85 ✓	3137.70
71	80 mm nominal bore	2.00	No	2406.65 ✓	4813.30
72	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
73	20 mm dia G.I elbows	100.00	No	39.00 ✓	3900.00
74	25 mm dia G.I elbows	30.00	No	54.00 ✓	1620.00
75	40 mm dia G.I elbows	25.00	No	115.00 ✓	2875.00
76	50 mm dia G.I elbows	25.00	No	206.00 ✓	5150.00
77	65 mm dia G.I elbows	10.00	No	322.00 ✓	3220.00
78	80 mm dia G.I elbows	5.00	No	432.00 ✓	2160.00
79	20 mm to 15 mm G.I. sockets (reducing)	50.00	No	24.00 ✓	1200.00
80	25 mm to any smaller size G.I. sockets (reducing)	30.00	No	30.00 ✓	900.00
81	40 mm to any smaller size G.I. sockets (reducing)	30.00	No	55.00 ✓	1650.00
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"	200.00	No	46.00 ✓	9200.00
93	25 mm G.I Nipple of length 3", 4" and 6"	80.00	No	69.00 ✓	5520.00
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	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	70.00	No	666.25 ✓	46637.50

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97	50 to 80 mm nominal bore	50.00	No	1268.75 ✓	63437.50
98	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. 80mm dia	200.00	Joints	1100.00 ✓	220000.00
99	65mm dia	83.00	Joints	1000.00 ✓	83000.00
100	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.	250.00	Kg	147.82 ✓	36955.00
101	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.	4.00	No	20243.00 ✓	80972.00
102	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.	2.00	No	13164.00 ✓	26328.00
103	Providing and fixing 80mm dia Sluice Value with with ISI Mar Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.	2.00	No	10815.00 ✓	21630.00
104	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	2354.41	Cum	198.70 ✓	467821.27
105	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)	538.00	Kg	57.90 ✓	31150.20
106	Providing and fixing aluminium sheet covering over expansion joints with iron screws as per design Aluminum fluted strip 3.15 mm thick 200 mm wide	91.90	RM	644.55 ✓	59234.15
107	Providing and fixing PVC pipe bends 80mm dia for air vents.	12.00	No	150.00 ✓	1800.00
108	Providing and laying S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes conforming to IS : 8329 150 mm dia Ductile Iron Class K - 7 Pipes	100.00	RM	1581.25 ✓	158125.00
109	Providing and fixing of ISI marked Standard CI/DI specials, Tees, Bends, Collars etc upto 300mm dia	1.00	qtl	7408.95 ✓	7408.95
110	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	10.50	Sqm	3238.20 ✓	34001.10
111	Providing and fixing ball bearing for rolling shutters.	2.00	No	483.10 ✓	966.20
112	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.	3859.00	Kg	91.03 ✓	351284.77

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113	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.	402.00	Kg	146.63	58945.26
114	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)				0.00
115	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)	2200.00	Kg	102.13	224686.00
116	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
117	Providing hoisting and fixing trusses/purlins /rafters/posts/ post-plates or like components including cost of screws etc. complete First class Budloo wood.	0.49	Cum	138685.40	67955.85
118	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	82.00	Sqm	1046.98	85852.36
119	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.	17.10	RM	760.49	13004.38
120	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	688.77	9780.53
121	Providing and fixing plained eaves boarding. 2nd class kail wood 250x32 mm (nominal size)	31.20	RM	693.90	21649.68
122	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
123	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	23.61	Sqm	1712.85	40440.39
124	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	119.32	Sqm	172.40	20570.77
125	Distempering 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	119.32	Sqm	149.05	17784.65
126	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	86.31	Sqm	59.50	5135.45

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new

127	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work.	86.31	Sqm	121.95	10525.50
128	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
129	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
130	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	100.00	Sqm	91.80	9180.00
131	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	6.00	No	292.80	1756.80
132	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	12.00	No	80.35	964.20
133	100 x 10mm	32.00	No	57.35	1835.20
134	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	6.00	No	66.35	398.10
135	100mm	32.00	No	52.30	1673.60
136	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	5.10	Sqm	1249.30	6371.43
137	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	37.80	Sqm	1161.05	43887.69
138	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	18.00	RM	321.15	5780.70
139	2025 (25mm OD) pipe	18.00	RM	385.85	6945.30
140	Providing and fixing PPR Unions PPR Union 20mm	5.00	No	259.70	1298.50
141	PPR Union 25mm	5.00	No	309.20	1546.00

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142	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	2760.40	55208.00
143	Supplying, Providing, assembling, Fabricating, covering and fixing in vertical 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	4170.00	Kg	170.00	708900.00
144	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	114.17	Cum	1320.00	150704.40
145	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) 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.	1.00	No	5534.85	5534.85
146	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
147	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	1.00	No	131.15	131.15
148	Providing and fixing 15 mm nominal bore C.P. brass bib cock of approved quality conforming to IS : 8931	2.00	No	436.50	873.00
149	Providing and fixing 15mm nominal bore CP Brass close hole Basin Mixer of approved quality and make wheighing not less than 1.97 Kg	2.00	No	6000.00	12000.00
150	Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of standard design and of approved make conforming to IS : 8931	3.00	No	657.30	1971.90
151	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	2.00	No	536.10	1072.20
152	Providing and fixing C.P. Brass extension nipple (size 15mm x 50mm) of approved make and quality as per direction of Engineer-incharge	15.00	No	62.30	934.50
153	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

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	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 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	2.00	No	1908.50	3817.00
155	Providing and fixing C.I manhole Cover 0.45 x 0.45m size	2.00	No	1750.00	3500.00
156	Providing and fixing PVC Soil waste and vent pipe of reputed make incld earth work and refilling. 100mm dia	20.00	RM	1750.00	35000.00
157	75mm dia	15.00	RM	1750.00	26250.00
158	Providing and fixing PVC Door Fittings complete.				0.00
159	100mm floor trap	1.00	No	500.00	500.00
160	100mm door junction	1.00	No	350.00	350.00
161	100mm Collar	4.00	No	175.00	700.00
162	10mm Gasket	10.00	No	200.00	2000.00
163	100mm bends	5.00	No	250.00	1250.00
164	80mm Door Junction	2.00	No	300.00	600.00
165	80mm floor trap	2.00	No	250.00	500.00
166	80mm bend	6.00	No	200.00	1200.00
167	80mm Collar	4.00	No	150.00	600.00
168	Floor Grating	3.00	No	250.00	750.00
169	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	10.00	points	1200.00	12000.00
170	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	5.00	points	2000.00	10000.00
171	P/Fitting / Commissioning of Main Switch board for accommodating the MCBs of sizes -HPL/ Standard / SSK make (18"x24")	1.00	No	2500.00	2500.00
172	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .	5.00	No	500.00	2500.00
173	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.	1.00	No	18000.00	18000.00
174	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.	1155.00	Cum	139.40	161007.00
175	Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm	115.50	Cum	492.75	56912.63
176	53 mm to 22.4 mm	57.75	Cum	575.30	33223.58

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177	Supplying and stacking at site Stone screening / Chippings of size 13.2/11.2 mm nominal size (Type A/B)	34.65	Cum	504.40	17477.46
178	Supplying and stacking at site Good Earth	13.84	Cum	258.25	3574.18
179	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) :	173.25	Cum	574.60	99549.45
180	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				0.00
181	Cement and Steel 20 Km's	162.53	MT	356.60	57958.20
182	Sand and 20mm crushed aggregate 30 km's	416.08	Cum	402.29	167384.82
183	Crushed Aggregate 40mm nominal Size 30 Kms	241.86	Cum	437.30	105765.38
184	Bricks 110 Km's	9160.00	No	3.45	31602.00
185	G.I Pipes below 100mm dia 20 Km's from Div. Store	21.20	MT	356.60	7559.92
186	Carriage of materials from road site upto actual site of work by manual means (Head Load) avg 400 mtrs including loading unloading and stacking complete.				0.00
187	Cement	113.40	MT	282.10	31990.14
188	Steel	8.16	MT	605.96	4944.63
189	Sand and 20mm Crushed agg	139.70	Cum	621.21	86783.04
190	40mm crushed aggregate	56.07	Cum	671.55	37653.81
191	G.I Pipes below 100mm dia	21.20	MT	355.70	7540.84
	Total				12148378.08
	Add Contractors Tender Appreciation @ 2% on All items				242967.56
	G. Total				12391345.64

Checked by
Head Draftsman

Executive Engineer
PHE Jal Shakti Division Handwara