

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/AA/SOPORE/140/2004-05
GST No. : 0ADHPU5126HIZP
No - PHE/Hand/ 54-57

Date:- 4 04 / 2023

Adv. Cost : - Rs 92.80 Lacs
Allotted Cost:-Rs.9462866.00/-
Time of Completion 90 days

Sub : L/F of Pipes, Construction of 30000 Gallons capacity Service Reservoir and Sluice Chamber, Clear Water Sump, Operators Quarter, Chain Link Fencing, R/ Wall, B/Wall, Anchor Blocks, and approach Road for Transit Accomodation for Kashmiri Migrants at Kulangam Bagh (UnderJMM)

Ref:- Your tender in response to this office E-NIT No 38 /PHE /Hand of 02/2023 S.No.1 issued under this Office No.....

- District Development Commissioner Kupwara's authorization No, DDCK/Plg/MoM/14446-48 dated.20-03-2023
- Accord No.43/JJM/DSE/HH/DB/ Dtd 10.02.2023.
- Technical Sanction Order No.CE/PHE/DB/877 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:

SLNo	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:-				
2	All kinds of Soil	343.70	Cum	436.00	149853.20
3	Ordinary Rock	0.01	Cum	841.60	8.42
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				
5	In all kinds of Soil	824.23	Cum	252.05	207747.11
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 m ² 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	923.16	Cum	188.75	174246.45
7	Earth work in bulk excavation by manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m ² 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 :	36.75	Cum	539.35	19821.11
8	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material				
9	Addl 1 lift in				
10	all kinds of Soil	259.34	Cum	81.65	21175.11
11	Addl 2 lift in				
12	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like	190.76	KL	155.50	29663.18
13	Providing and laying dry stone soling hand packed tightly including cost of 50-200mm nallah boulders	84.19	Cum	616.40	51894.72
14	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)	42.81	Cum	4861.84	208135.37
15	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)	175.99	Cum	6465.20	1137810.55
16	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)	40.84	Cum	6978.68	285009.29
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: 1:1.5:3 mix (1 Cement: 1.5 Course Sand : 3 graded crushed stone agg 20mm nominal size)	23.89	Cum	7800.76	186360.16
18	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 with: 1:1.5:3 mix (1 Cement: 3 Course Sand : 3 graded crushed stone agg 20mm nominal size)	41.81	Cum	9408.14	393354.33

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19	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)	11.13	Cum	9849.35	109623.21
20	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)	4.30	Cum	10404.52	44739.44
21	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	13625.95	Kg	87.18	1187910.32
22	Random Rubble Masonry in Foundation and Plinth laid Dry with Quarry Stones.	28.26	Cum	2497.50	70579.35
23	12 mm thick Cement plaster 1: 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	55.14	Sqm	343.75	18954.38
24	12 mm thick Cement plaster 1: 4 (1 cement : 4 coarse sand)	573.87	Sqm	260.05	149234.89
25	15 mm thick Cement plaster 1: 6 (1 cement : 6 coarse sand) on rough side of single or half brick masonry.	211.40	Sqm	300.45	63515.13
26	Centering and shuttering including strutting, propping etc. and removal of form for:				
27	Foundations	356.53	Sqm	262.30	93517.82
28	Walls	778.40	Sqm	573.85	446684.84
29	Beams	86.10	Sqm	502.85	43295.39
30	Suspended Floors	69.11	Sqm	635.60	43926.32
31	Domes upto 6 mtr Span	43.55	Sqm	2086.80	90880.14
32	Edges of slabs and breaks in floors upto 200mm thick.	9.40	Sqm	242.30	2277.62
33	Extra for centring and shuttering in Circular				
34	Foundations	14.80	Sqm	52.46	776.41
35	Walls	273.74	Sqm	114.77	31477.14
36	Beams	55.06	Sqm	100.57	5537.38
37	Extra for Domes exceeding 6 mtr in span	43.55	Sqm	1008.45	43918.00
38	Laying and fitting of G.I. pipes (all classes) pipes, fittings and Earth work complete excluding cost of pipes and earth work.				
39	100mm Dia G.I. Pipe	400.00	Mtr	73.05	29220.00
40	80mm Dia G.I. Pipe	550.00	Mtr	73.05	40177.50
41	65mm Dia G.I. Pipe	300.00	Mtr	73.05	21915.00
42	50mm Dia G.I. Pipe	500.00	Mtr	40.80	20400.00
43	40mm Dia G.I. Pipe	800.00	Mtr	40.80	32640.00
44	25mm Dia G.I. Pipe	500.00	Mtr	30.65	15325.00
45	20mm Dia G.I. Pipe	700.00	Mtr	20.25	14175.00
46	15mm Dia G.I. Pipe	1000.00	Mtr	20.25	20250.00
47	Providing and fixing GI Union in GI Pipe Including cutting and threading the pipe and making long screws complete. (New Work)				
48	15mm nominal bore G.I. Unions	200.00	No	250.00	50000.00
49	20 mm nominal bore G.I. Unions	100.00	No	315.70	31570.00
50	25 mm nominal bore G.I. Unions	30.00	No	355.85	10675.50
51	40 mm nominal bore G.I. Unions	20.00	No	492.30	9846.00
52	50 mm nominal bore G.I. Unions	10.00	No	648.10	6481.00
53	65 mm nominal bore G.I. Unions	10.00	No	886.25	8862.50
54	80 mm nominal bore G.I. Unions	5.00	No	985.25	4926.25
55	Providing and fixing gun metal Gate Valve with CI wheel of approved quality.				
56	20 mm nominal bore	10.00	No	463.65	4636.50
57	25 mm nominal bore	5.00	No	543.85	2719.25
58	40 mm nominal bore	5.00	No	704.70	3523.50
59	50 mm nominal bore	3.00	No	942.75	2828.25
60	65 mm nominal bore	2.00	No	1568.85	3137.70
61	80 mm nominal bore	3.00	No	2406.65	7219.95
62	Providing and laying incld fitting in position GI Pipes with Flanged Joints including Cost of 12mm thick MS Flanges, nuts, bolts, rubber insertion and welding and all carriages etc complete.				
63	100mm Dia G.I. Pipe	20.00	Joints	1400.00	28000.00
64	80mm Dia G.I. Pipe	20.00	Joints	1300.00	26000.00
65	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	894.49	Cum	198.70	177735.16
66	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)	551.00	Kg	57.90	31902.90
67	Providing PGI Sheet for Construction Joints 0.63 mm thick including all carriages and Head Loads complete.	33.02	Sqm	750.00	24765.00
68	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 Ladder and Lids)	160.00	Kg	146.63	23460.80

69 Brick work with
Foundations
70 Extra
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69	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)	29.43	Cum	6802.13	200186.69
70	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	29.43	Cum	1456.02	42850.67
71	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Welded	1896.00	Kg	102.14	193657.44
72	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	6888.21	Kg	91.03	627033.76
73	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 0.50 mm thick with zinc coating not less than 275 gram/m	133.05	Sqm	830.25	110464.76
74	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 0.50 mm thick with zinc coating not less than 275 gram/m	122.00	RM	626.70	76457.40
75	Providing and fixing plained eaves boarding. 2nd class kail wood 250x32 mm (nominal size)	80.00	RM	693.90	55512.00
76	Providing and fixing Soffit Boarding of 0.50mm thick Coloured GI Sheets including cost of Holders, Angle supports etc all complete.	10.36	Sqm	900.00	9324.00
77	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
78	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 conforming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters 80x0.90 mm M.S. laths with 0.90 mm thick top cover	10.04	Sqm	2636.15	26466.95
79	Providing and fixing ball bearing for rolling shutters	4.00	No	483.10	1932.40
80	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):Second class kail wood.	1.84	Cum	92065.35	169400.24
81	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 class kail wood. 35mm thick	6.48	Sqm	2745.95	17793.76
82	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening 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 Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 14587	3.88	Sqm	1827.40	7090.31
83	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. 2nd class Kail Wood 35mm thick.	12.65	Sqm	3338.05	42226.33
84	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.class Kail wood. 30mm thick	2.76	Sqm	2966.35	8187.13
85	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 openings / wooden frames with rawl plugs screws etc.	200.00	KG	179.90	35980.00
86	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. 100 mm Size	48.00	No	52.30	2510.40
87	125 mm Size	8.00	No	66.35	530.80
88	Providing and fixing aluminum tower 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 necessary screws etc. complete 100x10 mm Size.	96.00	No	57.35	5505.60
89	150x10 mm Size	8.00	No	80.35	642.80
90	Providing and fixing aluminum handle and 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 : Single rubber stopper	4.00	No	54.60	218.40
91	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

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92	Cement concrete flooring 1:2:4 (1 cement : 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. 40mm thick with 20 mm nominal size stone aggregate	43.66	Sqm	508.04	22181.03
93	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.	13.83	Sqm	1161.05	16057.32
94	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) 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. 11.50.1 In colour such as White, Ivory, Grey, Fume Red Brown	2.25	Sqm	1052.75	2368.69
95	Applying priming coat With ready mixed pink or grey primer of approved brand and manufacture on wood work (Hard and soft wood)	11.00	Sqm	59.50	654.50
96	Applying priming coat With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works.	9.55	Sqm	52.75	503.76
97	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade	11.00	Sqm	121.95	1341.45
98	Painting with aluminum paint of approved brand and manufacture to give an even shade. Two or more coats on new work	9.55	Sqm	119.40	1140.27
99	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	86.78	Sqm	91.80	7966.40
100	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
101	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
102	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete	318.50	Sqm	188.80	60132.80
103	Providing and fixing Sluice Valve with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				
104	100mm dia	4.00	No	13164.00	52656.00
105	80mm dia	4.00	No	10815.00	43260.00
106	Supply of GI Pipe Specials conforming to IS 1239 (Part-2) (subject to non availability in Stores)				
107	15mm dia GI elbows	200.00	No	39.00	7800.00
108	20 mm dia GI elbows	50.00	No	39.00	1950.00
109	25 mm dia GI elbows	20.00	No	54.00	1080.00
110	40 mm dia GI elbows	20.00	No	115.00	2300.00
111	50 mm dia GI elbows	10.00	No	206.00	2060.00
112	65 mm dia GI elbows	5.00	No	322.00	1610.00
113	80 mm dia GI elbows	5.00	No	432.00	2160.00
114	20 mm to 15 mm GI sockets (reducing)	200.00	No	24.00	4800.00
115	25 mm to any smaller size GI sockets (reducing)	50.00	No	30.00	1500.00
116	40 mm to any smaller size GI sockets (reducing)	30.00	No	55.00	1650.00
117	50 mm to any smaller size GI sockets (reducing)	10.00	No	91.00	910.00
118	65 mm to any smaller size GI sockets (reducing)	4.00	No	125.00	500.00
119	20 mm GI Tee (equal/reducing)	200.00	No	54.00	10800.00
120	25 mm GI Tee (equal/reducing)	30.00	No	72.00	2160.00
121	40 mm GI Tee (equal/reducing)	10.00	No	145.00	1450.00
122	50 mm GI Tee (equal/reducing)	10.00	No	230.00	2300.00
123	65 mm GI Tee (equal/reducing)	4.00	No	408.00	1632.00
124	80 mm GI Tee (equal/reducing)	2.00	No	572.00	1144.00
125	15 mm GI Nipple of length 3", 4" and 6"	200.00	No	35.00	7000.00
126	20 mm GI Nipple of length 3", 4" and 6"	50.00	No	46.00	2300.00
127	25 mm GI Nipple of length 3", 4" and 6"	30.00	No	69.00	2070.00
128	40 mm GI Nipple of length 3", 4" and 6"	20.00	No	104.00	2080.00
129	50 mm GI Nipple of length 3", 4" and 6"	10.00	No	144.00	1440.00
130	65 mm GI Nipple of length 3", 4" and 6"	5.00	No	316.00	1580.00
131	Providing and fixing GI Union in GI Pipe				
132	15 mm nominal bore GI Unions	200.00	No	58.00	11600.00
133	20 mm nominal bore GI Unions	50.00	No	100.00	5000.00
134	25 mm nominal bore GI Unions	50.00	No	130.00	6500.00
135	40 mm nominal bore GI Unions	20.00	No	232.00	4640.00
136	50 mm nominal bore GI Unions	10.00	No	299.00	2990.00
137	65 mm nominal bore GI Unions	10.00	No	477.00	4770.00
138	80 mm nominal bore GI Unions	5.00	No	551.00	2755.00
139	100 mm nominal bore GI Unions	4.00	No	850.00	3400.00

440 Providing at
141 20 mm
142 25 mm
143 40
144
145
146

140	Providing and fixing gun metal gate valve with CI wheel of approved quality.				
141	20 mm nominal bore	5.00	No	463.65	2318.25
142	25 mm nominal bore	5.00	No	543.85	2719.25
143	40 mm nominal bore	3.00	No	704.70	2114.10
144	50 mm nominal bore	2.00	No	942.75	1885.50
145	65 mm nominal bore	2.00	No	1568.85	3137.70
146	80 mm nominal bore	3.00	No	2406.65	7219.95
147	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	Mtr	431.10	7759.80
148	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
149	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
150	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
151	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
152	Providing and fixing 15 mm nominal bore C.P. brass long nose bib cock of approved quality conforming to IS : 8931	4.00	No	624.30	2497.20
153	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
154	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	3.00	No	536.10	1608.30
155	Providing and installation of Sign board made with 1 mm thick PGI Sheet including angle iron frame and legs of required size/ length including painting, writing and installation all carriages complete job.	5.00	Sqm	3000.00	15000.00
156	Providing and fixing C.P. Brass extension nipple (size 15mm x 50mm) of approved make and quality as per direction of Engineer-in-charge	10.00	No	62.30	623.00
157	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
158	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (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				
159	Providing and fixing C.I manhole Cover 0.30 x 0.30m size				
160	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
161	75mm dia	6.00	RM	275.00	1650.00
162	Providing and fixing PVC Door Fittings complete.				
163	100mm floor trap	2.00	No	500.00	1000.00
164	100mm door junction	3.00	No	350.00	1050.00
165	100mm Collar	3.00	No	175.00	525.00
166	100mm bends	4.00	No.	250.00	1000.00
167	80mm Door Junction	4.00	No	300.00	1200.00
168	80mm floor trap	2.00	No.	250.00	500.00
169	80mm bend	5.00	No	200.00	1000.00
170	80mm Collar	5.00	No	150.00	750.00
171	Floor Grating	2.00	No	250.00	500.00
172	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 Testing / Commissioning for all points upto 6 Amp) including PVC Conduit pipe, Switches, indicators MCB, PVC Conduit Pipe etc etc complete	8.00	No	1200.00	9600.00
173	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 including PVC Conduit Pipe, Switches, indicators, MCB's etc complete	5.00	No	2000.00	10000.00
174	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
175	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .	8.00	No	500.00	4000.00
176	Supply and fixing of Hot Water Geyser 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
177	Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm	36.75	Cum	472.75	17373.56
178	63 mm to 45mm	55.13	Cum	564.60	31126.60

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179	Supplying and stacking at site Stone screening / Chippings of size 13.2 mm nominal size (Type A)	2150	Cum	504.40	10844.40
180	Supplying and stacking at site mooram excluding carriages	8.83	Cum	528.50	4666.66
181	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 mooram etc. to be made separately) :	91.88	Cum	574.60	52794.25
182	Providing and applying tack coat using hot straight run bitumen of grade - VG-10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications.	367.50	Sqm	55.45	20377.88
183	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy For 50 mm compacted thickness using coarse aggregate of size 50-20mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG-10 @ 50 kg/10sqm	350.00	Sqm	381.80	133630.00
184	Providing & laying bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS : 702, prepared by using mastic cooker & laid to required level and slope, including providing antiskid surface with bitumen pre-coated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm & at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1 mm to 4 mm over mastic surface, including cleaning the surface, removal of debris etc. all complete. (considering bitumen using 10.2% as per MORTH specification) 25mm thick	367.55	Sqm	618.80	227439.94
185	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 750 micron sieve) with bitumen using 128 kg of bitumen of grade VG-10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road all complete	367.55	Sqm	78.15	28724.03
186	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.	318.50	Sqm	733.50	233619.75
187	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				
188	Cement and Steel 3 Km's	395.26	MT	153.42	60640.79
189	Sand and 20mm crushed aggregate 15 km's	438.76	Cum	341.57	149867.25
190	Crushed Aggregate 40mm nominal Size 15 km's	38.52	Cum	371.29	14302.09
191	Stones/ Soling Stones 15 Km's	84.19	Cum	401.83	33830.07
192	100 Dia G.I Pipes from Div Store 5 Km's from Divisional Store	400.00	Mtr	2.75	1100.00
193	G.I Pipes below 100mm dia 5 Km's from Div Store	13.55	MT	183.36	2484.53
194	Bricks 110 km's	9343.00	No	3.45	32233.35
195	Stone aggregate (63-45)mm from avg lead 12 Km's	91.88	Cum	358.98	32983.08
196	Screening avg lead 12 Km's	21.50	Cum	305.14	6560.51
197	Mooram from Avarege lead avg lead 12 Km's	8.83	Cum	305.14	2694.39
198	Carriage of materials from road site upto actual site of work by manual means (Head Load) including loading unloading and stacking complete.Cement				
199	100 Dia G.I Pipe 300 Mtrs (avg)	400.00	Mtr	5.31	2124.00
200	G.I Pipes below 100mm 300 Mtrs avg	13.55	MT	265.72	3600.51
	Total				9280049.48
	Add Contractors Tender Appreciation @ 1.97% on All items				182816.9748
	G. Total				9462866.00

Checked by
Head Draftsman

Executive Engineer
PHE Jal Shakti Division Handwara