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

M/S : Mohd Yaseen Sheikh  
S/o : Mohd Afzal Sheikh  
R/o : Villgam  
Regd No : SE/HYD/SPR/206/AAYY/2004-05  
GST No. : 01BBPPS3397R1ZO

No: - PHE/Hand/ 387-90 Date: 29.4.2023

Adv. Cost : - Rs 121.81 Lacs

Allotted Cost:-Rs. 12668971.12/-

Time of Completion 180 days

Sub : Constt of PST, Constt of 1.00 Lac gallon SR, Constt of S.R 0.20 Lac gallon, Constt of sluice Chamber/washout 2 No., CW Drain, Constt of chain link fencing, Constt of Saddle block, Constt of tee wall, Approach road, plate form cutting, crate protection, WC/Bathroom and Retaining Wall for WSS Villgam Ramhall under JJM

Ref:- Your tender in response to this office E-NIT No 51 /PHE /Hand/ of 2023 S.No.04 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/
4. Technical Sanction Order No.CE/PHE/DB/

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	35.25	Cum	436.00	15369.00
2	Ordinary Rock				0.00
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				0.00
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	71.40	Cum	252.05	17996.37
5	Oridanary Rock	21.60	Cum	470.00	10152.00
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	1374.53	Cum	188.75	259442.54
7	Oridanary Rock	21.80	Cum	378.35	8248.03
8	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m in all kinds of soil:	150.00	Cum	674.35	101152.50

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9	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				0.00
10	Ordinary Rock				0.00
11	Addll 2 lift All kinds of Soil				0.00
12	Ordinary Rock				0.00
13	Addll 3 lift All kinds of Soil				0.00
14	Ordinary Rock				0.00
15	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.				0.00
16	Providing and laying dry stone soling hand packed tightly including Filling, Spreading, ramming cost of Stone boulders and all leads and lifts complete.	123.52	Cum	1320.00	163046.40
17	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)	61.52	Cum	4861.84	299100.40
18	Providing and laying in position cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:3:6 mix (1 Cement: 3 Course Sand : 6 graded crushed stone agg 20mm nominal size)	61.55	Cum	5399.02	332309.68
19	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)	31.25	Cum	6465.20	202037.50
20	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: 1:1.5:3 mix (1 Cement: 1.5 Course Sand : 3 graded crushed stone agg 20mm nominal size)	23.44	Cum	7287.28	170813.84
21	Providing and laying in position Reinforced cement concrete of specified grade including curing butxcluding the cost of centring and shuttering. All work upto plinth level with: 1:2:4 mix (1 Cement: 2 Course Sand : 4 graded crushed stone agg 20mm nominal size)	18.09	Cum	6978.68	126244.32
22	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)	28.30	Cum	7801.00	220768.30
23	Providing and laying in position machine batched and machine mixed design mix <b>M-30 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 them 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	159.49	Cum	8023.13	1279609.00
24	All works above plinth level upto floor V level	130.93	Cum	9414.85	1232686.31
25	Reinforced cement concrete work in walls (any thickness) including attached pillars, 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.	13.70	Cum	9408.14	128891.52

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26	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)	14.78	Cum	9849.35	145573.39
27	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)	26.77	Cum	10404.50	278528.47
28	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)	4.72	Cum	6802.13	32106.05
29	Extra for brick work with common burnt clay bricks /cement concrete bricks in superstructure above plinth level upto floor five level	4.72	Cum	1456.02	6872.41
30	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level	31486.00	Kg	87.18	2744949.48
31	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
32	Excluding Cost of Stones				0.00
33	Dry random rubble masonry with hard stone in foundation and plinth:With bond stone.	13.88	Sqm	2497.50	34665.30
34	Centering and shuttering including strutting, propping etc. and removal of form for:Foundations	218.54	Sqm	262.30	57323.04
35	Walls	1485.10	Sqm	573.85	852224.64
36	Beams	46.04	Sqm	502.85	23151.21
37	Suspended Floors	118.35	Sqm	635.60	75223.26
38	Columns	7.56	Sqm	680.15	5141.93
39	Domes exceeding 6 Mtr Span	214.16	Sqm	3095.25	662878.74
40	Edges of slabs and breaks in floors upto 200mm thick.	60.10	RM	242.30	14562.23
41	Extra for Centering and shuttering in Circular Foundations	20.42	Sqm	52.46	1071.23
42	Walls	407.60	Sqm	114.77	46780.25
43	Beams (Ring Beam of SR)	46.04	Sqm	100.57	4630.24
44	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				0.00
45	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				0.00
46	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				0.00

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47	Float glass panes 4 mm thick glass pane (weighing not less than 10 kg/sqm)				0.00
48	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.				0.00
49	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				0.00
50	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).				0.00
51	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete				0.00
52	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	2.25	Sqm	505.00	1136.25
53	12 mm thick Cement plaster 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement	608.38	Sqm	343.75	209130.63
54	12 mm thick Cement plaster 1 : 6 (1 cement : 6 coarse sand)	627.31	Sqm	241.75	151652.19
55	15mm Cement plaster on the rough side of single or half brick wall of mix: 1 : 6 ( 1 cement : 6 coarse sand)	31.50	Sqm	278.60	8775.90
56	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/by mechanical means including stacking of pipes within 50 meters lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore.				0.00
57	Above 40 mm nominal bore				0.00
58	Laying and fitting of G.I. pipes (all classes) pipes, fittings and Earth work.complete excluding cost of pipes and earth work.				0.00
59	100 mm Dia G.I. Pipes				0.00
60	80 mm Dia G.I. Pipes				0.00
61	65mm Dia G.I. Pipes				0.00

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62	50mm Dia G.I. Pipes				0.00
63	40mm Dia G.I. Pipes				0.00
64	25mm Dia G.I. Pipe				0.00
65	20mm Dia G.I. Pipe				0.00
66	15mm Dia G.I. Pipes				0.00
67	Laying in position centrifugally cast (spun) iron S&S or flanged pipes(excluding cost of pipe				0.00
68	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				0.00
69	300mm Dia DI Pipes				0.00
70	250mm Dia DI Pipes				0.00
71	200mm Dia DI Pipes				0.00
72	150mm Dia DI Pipes				0.00
73	Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc. (excluding cost of specials in case available in Div. Store)				0.00
74	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc (Heavy class) Up to 300 mm dia (In case non availability in Div. Store)				0.00
75	Providing and fixing GI Union in GI Pipe				0.00
76	15 mm nominal bore G.I Unions				0.00
77	20 mm nominal bore G.I Unions				0.00
78	25 mm nominal bore G.I Unions				0.00
79	40 mm nominal bore G.I Unions				0.00
80	50 mm nominal bore G.I Unions				0.00
81	65 mm nominal bore G.I Unions				0.00
82	80 mm nominal bore G.I Unions				0.00
83	100 mm nominal bore G.I Unions				0.00
84	Providing and fixing gun metal gate valve with CI wheel of approved quality.				0.00
85	20 mm nominal bore				0.00
86	25 mm nominal bore				0.00
87	40 mm nominal bore				0.00
88	50 mm nominal bore				0.00
89	65 mm nominal bore				0.00
90	80 mm nominal bore				0.00
91	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
92	20 mm dia G.I elbows				0.00
93	25 mm dia G.I elbows				0.00
94	40 mm dia G.I elbows				0.00
95	50 mm dia G.I elbows				0.00
96	65 mm dia G.I elbows				0.00
97	80 mm dia G.I elbows				0.00
98	20 mm to 15 mm G.I. sockets (reducing)				0.00
99	25 mm to any smaller size G.I. sockets (reducing)				0.00
100	40 mm to any smaller size G.I. sockets (reducing)				0.00
101	50 mm to any smaller size G.I. sockets (reducing)				0.00
102	80-65 Reducing Socket				0.00

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103	15 mm G.I. Tee (equal)				0.00
104	20 mm G.I. Tee (equal/reducing)				0.00
105	25 mm G.I. Tee (equal/reducing)				0.00
106	40 mm G.I. Tee (equal/reducing)				0.00
107	50 mm G.I. Tee (equal/reducing)				0.00
108	65 mm G.I. Tee (equal/reducing)				0.00
109	80 mm G.I. Tee (equal/reducing)				0.00
110	15 mm G.I. Nipple of length 3", 4" and 6"				0.00
111	20 mm G.I. Nipple of length 3", 4" and 6"				0.00
112	25 mm G.I. Nipple of length 3", 4" and 6"				0.00
113	40 mm G.I. Nipple of length 3", 4" and 6"				0.00
114	50 mm G.I. Nipple of length 3", 4" and 6"				0.00
115	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				0.00
116	50 to 80 mm nominal bore				0.00
117	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				0.00
118	65mm dia				0.00
119	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 antioccorusive red oxide primer and all carriages upto site of work complete.				0.00
120	Providing and fixing 150mm dia Sluice Valve with ISI Mark with Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00
121	Providing and fixing 100mm dia Sluice Valve with with ISI Mar Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00
122	Providing and fixing 80mm dia Sluice Valve with with ISI Mar Wheel type handle including cost of flanges, nuts, bolts, rubber insertion all carriages complete.				0.00
123	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	983.00	Cum	198.70	195322.10
124	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)				0.00
125	Providing and fixing PGI Sheet strip 0.80mm thick for construction Joints incld all carriages complete.	101.21	Sqm	800.00	80968.00
126	Providing and fixing PVC pipe bends 80mm dia for air vents.				0.00
127	Providing and laying S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes conforming to IS : 8329 150 mm dia Ductile Iron Class K - 7 Pipes				0.00
128	Providing and fixing of ISI marked Standard CI/DI specials,				0.00



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129	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.80x1.25 mm M.S. laths with 1.25 mm thick top cover				0.00
130	Providing and fixing ball bearing for rolling shutters.				0.00
131	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
133	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)	403.75	Kg	146.63	59201.86
134	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	711.50	Kg	114.68	81594.82
135	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)	1502.00	Kg	105.76	158851.52
136	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
137	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
138	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	5.40	Sqm	4788.25	25856.55
139	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	162.00	Sqm	733.50	118827.00
140	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
141	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				0.00

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142	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.				0.00
143	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
144	Providing and fixing plained eaves boarding. 2nd class kail wood 250x32 mm (nominal size )				0.00
145	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : Budloo / Fir wood				0.00
146	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
147	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				0.00
148	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				0.00
149	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)				0.00
150	Painting with synthetic enamel paint of approved brand and manufacture to give an even shadeTwo or more coats on new work.				0.00
151	Applying priming coat With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works				0.00
152	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				0.00
153	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	475.70	Sqm	91.80	43669.26
154	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
155	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				0.00
156	100 x 10mm				0.00
157	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				0.00
158	100mm				0.00

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	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS: 15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4 ( 1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete. In all colours, shades, except White, Ivory, Fume Red Brown	11.07	Sqm	1115.80	12351.91
160	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				0.00
161	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	12.00	RM	321.15	3853.80
162	2025 (25mm OD) pipe	12.00	RM	385.85	4630.20
163	Providing and fixing PPR Unions PPR Union 20mm	4.00	No	259.70	1038.80
164	PPR Union 25mm	4.00	No	309.20	1236.80
165	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.: internal work-Exposed on wall 15 mm dia. nominal bore	18.00	RM	300.40	5407.20
166	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	RM	163.55	2943.90
167	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
168	Supplying, Providing, assembling, Fabricating, covering 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
169	Dumping stone excluding cost of stones. on Slopes (Behind pitching) (Measurements to be reduced by 15% for Voids)	10.18	Cum	237.80	2420.80
170	Constructing vertical bunds with sloping faces, by boulder filling (dry, hand packed tightly); including cost of stones but excluding cost of wirecrates. (Measurements to be reduced by 15% for Voids)	146.55	Cum	2073.55	303878.75
171	Hand packing of Stones in Wire Crates excluding cost of wire crates and stones. (Measurements to be reduced by 15% for Voids)	86.40	Cum	337.45	29155.68



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	Supply of Knitted Wire Crates made of Mesh type 10x12 (100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). Includ all carriages.	302.40	Sqm	220.00	66528.00
173	Supply of Stones / Boulders	82.09	Cum	1000.00	82090.00
174	Providing and fixing water closet Squatting Pan (Indian Type WC Pan) with 100mm sand cast iron P or S Trap, 10 ltr capacity Low Level White PVC Flushing Cistern including flush pipe of approved make with manually controlled device (Handle lever) conforming to IS: 7231 with all fittings and fixtures complete including cutting and making good the walls and floors wherever required. White vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	1.00	No	5534.85	5534.85
175	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
176	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
177	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
178	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
179	Providing and fixing 15 mm nominal bore C.P. stop cock (concealed) of standard design and of approved make conforming to IS : 8931	2.00	No	657.30	1314.60
180	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
181	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
182	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
183	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
184	Providing and fixing C.I manhole Cover 0.30 x 0.30m size	2.00	No	1750.00	3500.00
185	Providing and fixing PVC Soil waste and vent pipe of reputed make incld earth work and refilling. 100mm dia	12.00	RM	1750.00	21000.00
186	75mm dia	12.00	RM	1750.00	21000.00
187	Providing and fixing PVC Door Fittings complete.				0.00
188	100mm floor trap				0.00
189	100mm door junction				0.00
190	100mm Collar				0.00



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	mm Gasket				0.00
	mm bends				0.00
	80mm Door Junction				0.00
194	80mm floor trap				0.00
195	80mm bend				0.00
196	80mm Collar				0.00
197	Floor Grating				0.00
198	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
199	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
200	P/Fitting / Commissioning of Main Switch board for accommodating the MCBs of sizes -HPL/ Standard / SSK make (18"x24")				0.00
201	Supply and fixing of LED Bulbs of Superior/ approved quality 12W (220-240V) with frequency 50 Hz .				0.00
202	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
203	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.	300.00	Cum	139.40	41820.00
204	Supplying and stacking at site Graded crushed stone aggregate of size 90 mm to 45 mm	67.50	Cum	492.75	33260.63
205	63 mm to 45 mm	45.00	Cum	564.60	25407.00
206	53 mm to 22.4 mm	30.00	Cum	575.30	17259.00
207	Supplying and stacking at site Stone screening / Chippings of size 13.2/11.2 mm nominal size (Type A/B)	10.30	Cum	504.40	5195.32
208	Supplying and stacking at site Good Earth				0.00
209	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) :	142.50	Cum	574.60	81880.50
210	Carriage of materials from source to road site of work by Mechanical Transport including loading unloading and stacking complete.				0.00
211	Cement and Steel 20 Km's	247.37	MT	357.64	88469.41
212	Sand and 20mm crushed aggregate 20 km's	648.15	Cum	402.29	260744.26
213	Crushed Aggregate 40mm and above nominal Size 20 Kms	198.70	Cum	437.30	86891.51
214	Surplus excavated earth	43.20	Cum	502.85	21723.12
215	Bricks from Budgam 120 Km's	2241.00	No	3.73	8358.93
216	Stones avg 20 Km's	82.09	Cum	473.25	38849.09

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17	Carriage of materials from road site upto actual site of work by manual means (Head Load) avg 50 mtrs including loading unloading and stacking complete.				0.00
218	Cement	211.78	MT	121.57	25746.09
219	Steel	35.58	MT	261.10	9289.94
220	Sand and 20mm Crushed agg	637.85	Cum	209.90	133884.72
221	40mm crushed aggregate	56.20	Cum	226.92	12752.90
222	Bricks	2241.00	No	0.40	896.40
223	Stones/ Boulders	82.09	Cum	246.94	20271.30
	Total				12181703.00
	Add Contractors Tender Appreciation @ 4% on All items				487268.12
	G. Total				12668971.12

Checked by  
Head Draftsman

Executive Engineer  
PHE Jal Shakti Division Handwara