

BILL OF QUANTITIES					
Construction of new inspection Bungalow at Meshwo resrvoir project waste wier at village Venpur, Taluka : Shamlaji, Dist : Arvalli.					
Item No.	Description of Item	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	71.4	Cum	272.57	19,461.50
2	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	26.2	Cum	295.1	7,731.62
3	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	21.1	Cum	2769.69	58,440.46
4	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork but excluding the cost of reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	15.3	Cum	4309.67	65,937.95
5	Providing and laying controlled cement concrete M-200 and finishing smooth with cuing etc. complete including the cost of formwork but excluding the cost of reinforcement for reinforced concrete work in columns up to Ground level (Pedestal).	2.2	Cum	7536.62	16,580.56
6	Filling available excavated earth (excluding rock) in trenches. sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering.	71.3	Cum	136.92	9,762.40
7	Carring out plinth treatment to post construction / by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended, i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concnretration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	98	Sqmt	86.82	8,508.36
8	Providing and laying controlled cement concrete M-200 and curing complete including the cost of formwork but excluding the cost of reinforcement for RCC work in Ground beam and Plinth Beam.	10.1	Cum	6970.01	70,397.10
9	Filling in plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	34.3	Cum	294.38	10,097.23
10	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete.	14.7	Cum	481.8	7,082.46
11	Providing and laying controlled cement concrete M.200 and curing complete Including the cost of formwork but excluding reinforcement for reinforced concrete work in Columns, Pillars posts and struts, Ground floor level.	3.8	Cum	7889.11	29,978.62
12	Providing and laying controlled cement concrete M.200 and curing complete Including the cost of formwork but excluding reinforcement for reinforced concrete work in Columns, Pillars posts and struts, First floor level.	3.8	Cum	7930.52	30,135.98
13	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork but excluding reinforcement for reinforced concrete work in Beams, Ground Floor Level.	7.4	Cum	6871.03	50,845.62
14	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork but excluding reinforcement for reinforced concrete work in Beams, First Floor Level.	6	Cum	6912.44	41,474.64
15	Providing and laying Controlled cement concrete M-200 with curing etc. complete, including the cost of formwork but excluding the cost of reinforcement for R.C.C. slabs work for Ground Floor	13.3	Cum	6618.53	88,026.45
16	Providing and laying Controlled cement concrete M-200 with curing etc. complete, including the cost of formwork but excluding the cost of reinforcement for R.C.C. slabs work for First Floor	10	Cum	6659.94	66,599.40
17	Providing and laying Controlled cement concrete M-200 For R.C.C. lintel/Chhajja with curing etc. complete, including the cost of Formwork but excluding the cost of reinforcement for Ground Floor.	1.9	Cum	6970.01	13,243.02
18	Providing and laying Controlled cement concrete M-200 For R.C.C. lintel/Chhajja with curing etc. complete, including the cost of Formwork but excluding the cost of reinforcement for First Floor.	1.7	Cum	7011.42	11,919.41
19	Providing and laying Controlled cement concrete M-200 Curing etc. complete, including the cost of Formwork but excluding the cost of reinforcement for R.C.C. Stair case for Ground Floor.	1.3	Cum	7330.58	9,529.75
20	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	6905	KG	77.29	5,33,687.45
21	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in in superstructure above floor two level in Cement mortar 1:5 (1-Cement : 5-coarse sand) Conventional (Ground Floor)	32.7	Cum	4526.75	1,48,024.73
22	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in in superstructure above floor two level in Cement mortar 1:5 (1-Cement : 5-coarse sand) Conventional (First Floor)	31.4	Cum	4569.18	1,43,472.25
23	Providing 10mm thick cement plaster in single coat on ceilling for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	158.7	Sqmt	164.76	26,147.41
24	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	459.2	Sqmt	138.7	63,691.04
25	20mm thick sand faced gutka finish cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	353.9	Sqmt	321.1	1,13,637.29
26	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	617.9	Sqmt	40.59	25,080.56
27	Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on wall surfaces to give an even shade including thoroughly brushing the surface free from mortar dropings and other foreign matter and sand papered smooth	617.9	Sqmt	125.52	77,558.81
28	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	25	Sqmt	1713.7	42,842.50

29	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	1.1	Sqmt	1175.56	1,293.12
30	providing and fixing 30 mm thick solid core flush type door having outer frame 5" thick teak wood frame with all core should be teak wood Patti and both side decorative 4.0MM thick teak veneer finished(with pu polish and fixed with granite framing include 150mm top and bottom s.s. pivot and s.s. screws)and europa make tubular lock system including as per architect instruction etc(flush door basic rate should be 160 rs /sq.ft and veneer basic rate 95 rs/sqft). Complete	16.7	Sqmt	4767.2	79,612.24
31	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & aluminium fixtures & fastenings & fastener sleeve.	6.1	Sqmt	2377.76	14,504.34
32	Providing fabricating, erecting and fixing of M.S.grill, fabricated from m.s. plat, angles, tees, spacebar, round bar, pipes etc. complete as per Architect detail & Drawing including applying one coat of red oxide & two coat synthetic enamel paint etc complete. As per Architect instructions and drawing or as directed by engineer in charge.	1399.3	KG	113.12	1,58,288.82
33	Providing and laying 1200 mm X 600 mm X 8 (Matt & Glossy Finish) to 10mm thick (or above size) first quality virified floor tiles of desired finish (fully polished glossy, matt, satin, guard, anti skid) in desired pattern in floor & wall with residue and skirting as per drawing / specification. The tiles shall have minimum scratch hardness of 7 on Moh's scale with a density of 2.2 to 2.3 & bonding strength of 250 kg/sqcm. The tiles shall be set with cement slurry (3.3 kg. cement / m2.) over a minimum 25 mm. thick cement sand mortar (1:3) bedding on average 40 mm thick (1:2:4- 6mm down aggregates) wired finish screed & laid to proper gradient. Finishing to be done with flush pointing in white cement & matching approved pigment incl. curing, polishing & cleaning with mild oxalic acid etc. complete for all floors / all levels, as per drawing / specification and or as per direction of Engineer in charge for flooring, skirting or channel work etc. complete The rate should be inclusive of protection of flooring until the handling of project by covering the joints with abrotaps, plastic sheet & plaster of Paris. The rate shall include cost of 25mm cement mortar, 40mm wired finish screed.(basic rate of tiles- 65 rs/sq.ft) (make johnson, RAK,karjariya,SYMPOLO or approved make)	252.8	Sqmt	1722.05	4,35,334.24
34	Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scotch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directed	108.7	Sqmt	606.95	65,975.47
35	Providing & fixing granite stone average 18 mm thick machine-cut & machined polished stone in treads of steps, sill, copings, parapet top, window,door,sill, planter top, and such other locations, laid on 20 mm(average) thick cement mortar 1:4 (1 cement:4coarse sand) and jointed with Super flex guranted fixing solution by kerakoll mixed with pigment to match the shades of the slabs, including rubbing and polishing complete. The Stone used should be in one single long piece up to 3000 mm as per drawing or as directed by Engineer-in-charge. The exposed projected edges shall be of uniform thickness and of uniform projection including molding , chamfering, rounding, polishing complete. (basic rate of granite-150 rs/sq.ft)	50.6	Sqmt	2536.11	1,28,327.17
36	Providing and laying Vitrified tiles 8 to 10 mm thick , in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	10.6	Sqmt	1592.4	16,879.44
37	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	25	Sqmt	170.36	4,259.00
38	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	50	Sqmt	253.82	12,691.00
39	Providing laying and jointing in true line and level 40 mm dia. U.P.V.C. Pipe (SCH -40) line including fittings approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	20	Rmt	148.12	2,962.40
40	Providing laying and jointing in true line and level 110 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm high at every 2000 mm centre to centre or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	70	Rmt	876.11	61,327.70
41	Providing and fixing to wall ceiling floor 10.0 Kg. F/Cm2 working pressure polythene pipes for soil waste and ventilating pipes of the following outside dia. low density, complete with necessary fittings ,wall clamps etc including making good the wall ceiling and floor. {Finolex, Supreme, Prince or equivalent brand} (A) 110 mm	5	Rmt	339.05	1,695.25
42	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	5	Nos	586.6	2,933.00
43	Providing and fixing Screw down Quarter turn bib taps of following size (A) Brass chromium plated screw down Bib tap (I) 15 mm dia	5	Nos	388.83	1,944.15
44	Providing and fixing C.P. bib cock 15mm φ heavy duty with cap	5	Nos	602.58	3,012.90
45	Providing and fixing C.P. Pillar cock 15 mm Heavy duty swan neck	4	Nos	849.95	3,399.80
46	providing and fixing screw down brass chromium plated heavy quality bib-tap of Johnson (Coral brass long nose T1325C) on water supply pipe lines of 15mm dia with or with extension piece but with a flange etc. complete to the satisfaction of EI and approved Johnson/ cera make.	3	Nos	2070.5	6,211.50

47	providing and fixing white glazed vitreous chinaware over the counter type / under counter type wash basin with / without single or double hole for pillar-tap comprising of (a) white glazed vitreous chinaware wash basin of Johnson (omega recta NXT) make with supporting MS or CI brackets. (b)1 no. 32mm CP cast brass bottle trap Johnson (T0060C) heavy casted of Johnson /cera make, with 250mm long wall connection pipe and wall flange with rubber adopter for waste connection and one waste coupling. (c) 1 no heavy quality CP brass angle cock (T0410C) with wall CP flange of Johnson make. , (d)1 no 15mm NB heavy quality CP brass inlet connection with unions end. the supporting bracket shall be painted with 3 coats of approved paint of approved shade etc complete	3	Nos	13318.87	39,956.61
48	providing and fixing (A) White glazed vitreous chinaware extended wall mounted cantilever type European type water closet (Johnson make BREEZE model 520 x 360 x 310) with HYDROLIC seat cover, with (B) flushing tank constellation cistern (JOHNSON MAKEP0096P00019) with cistern fittings, CI chair bracket with rag bolt and GI 12mm rag bolt with nut and metal washer etc. including supply and fixing of (C) 1 no CP heavy duty angle cock with CP wall flange with CP brass inlet connection with integral P or S trap including cutting and making good the wall and floor as under with supported on CI wall brackets and etc. complete to the satisfaction of EIC	3	Nos	18737.52	56,212.56
49	providing and fixing Single Lever Tall Basin Mixer (Johnson T6146C) with on water supply pipe lines of 15mm dia with or with extension piece but with a flange etc. complete to the satisfaction of EIC and approved Johnson/ cera make.	2	Nos	6443.8	12,887.60
50	providing and fixing Single Lever wall mount Tap (Johnson T6086C) with concealed body for wall mounted (Johnson T0068C) with on water supply pipe lines of 15mm dia with or with extension piece but with a flange etc. complete to the satisfaction of EIC and approved Johnson/ cera make.	1	Nos	6610.45	6,610.45
51	providing and fixing cp BRASS Bathroom 3 Inlet Single Lever High Flow Concealed Diverter make- Johnson (T3439C) with concealed body (Johnson T0066C) quarter turn of approved Johnson/ cera make and as approved by the consultants.	3	Nos	8865.78	26,597.34
52	providing and fixing ocean square overhead shower with shower arm 1' long of (Square Shower Square Shower Johnson (S0032C) 200 MM " or equivalent make on water supply pipe lines of 15mm dia. complete to the satisfaction of EIC and approved Johnson/ cera make.	3	Nos	3977.38	11,932.14
53	providing and fixing hand shower (health faucet)(Johnson health faucet) (S3248C) " or equivalent make Health Faucet with cp flange with 8 mm dia., 1 m long pvc tube and wall hook of approved by the consultants.	3	Nos	1599.84	4,799.52
54	providing and fixing chrome plated controll valve CERA make (F8015102) on water supply pipe lines of 25mm dia with required fittings etc. complete to the satisfaction of EIC.	3	Nos	2777.5	8,332.50
55	providing and fixing best Indian make mirror of specified size like modi float, saint gobain, i.a.g or equivalent silvered locally, with plain edge as required, with 12mm thick marine plywood backing, with cp brass caps, etc., complete teakwood beading of 20mm x 32mm size, with French polish or 3 coast of paint etc. complete to the satisfaction of eic.	2.88	SMT.	6680.14	19,238.80
56	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P.brass screws.(B) 600mm x 20mm size.	3	Nos	717.42	2,152.26
57	Providing and fixing toilet paper holder.(A) C.P. Brass	3	Nos	528.99	1,586.97
58	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	1000	Lit.	4.96	4,960.00
59	Providing & constructing BB masonry in C.M. 1:6 (1 cement : 6 coarse sand) and cement concrete 1:2:4(1 cement : 2 sand : 4 graded stone age. of 0mm size BT kapchi) septic tank of 3m x 0.9 m x 1.5 m internal dimension with necessary compartment of grit chambers and septic tank with necessary inlet and outlet connections with cement plaster (15 mm thick) in C.M. 1:4 (1 cement : 4 sand) with water proofing material 1:5:10 (1 cement : 4 sand) brick bat concrete bedding RCC 1:2:4 top cover slab 12 cm thick with C.I. cover of 60 cm x 45 cm size (light duty) 75mm dia. C.I. ventilating pipe 2 mt. long with cowl vent 40mm thick IPS flooring 10 cm. thick cement vata mild steel for steel and finishing to exposed faces in C.M. 1:3 (1 cement : 3 sand) curing etc. complete As per Architect instructions and as directed by engineer in charge.	1	NOS	29934.38	29,934.38
60	Providing and constructing sock pit of 3.00 mt. dia inside and 5.00 mt. depth with honey combed masonry 6.50 mt. from bottom and 0.60 mt. brick masonry in C.M. 1:6 top with RCC slab cover of M200 vent pipe 1.80 mt. long 75 mm dia & C.I. cover and cowl vent etc. complete	1	NOS	59772.81	59,772.81
61	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/ Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets.	3	NOS	7180.44	21,541.32
62	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type.	3	NOS	1292.19	3,876.57
63	providing and fixing Nirali make SS sink (460 x 385 x 200 mm) (Glistar NG Glossy) with tapered sides walls including 15 mm knob cp brass heavy quality wall or floor mounted sink tap Johnson make (T4818C), with cp wall flange, casted spout of three way etc. complete to the satisfaction of eic.	2	NOS	7999.2	15,998.40
64	Charges for making holes in brick walls / RCC with or without plaster / tiles with mechanical cutter like HILTI etc. Including disposing the debris and finishing the same as per requirements. Measurement of holes will be taken per no. of holes drilled as per following range of diameters. Making of holes by hammer and chisel will not be considered in this item. For Diameter of holes up to 100 mm clear.	4	NOS	555.5	2,222.00
65	Steel work, riveted in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like.	6.18	NOS	6762.96	41,795.09
66	Providing and fixing square Roof Tiles having natural clay terracotta finish cladding used for both interior and exterior as directed by EIC. Basic Rate : Rs.100/Sft	62.1	Sqmt	1222.1	75,892.41
67	Providing and fixing Stone cladding work in Exterior wall including Fitting and scaffolding as directed by EIC. Rs.300/Sft	260	Sqmt	3333	8,66,580.00

68	Storage UNIT Providing and fixing storage unit with 18 mm thick box and shutters from 25mm ply with 1.0 mm laminate of approved shade in exterior side and 0.8 mm laminate of approved shade in interior side vertical and horizontal surface 19mm plywood with inside 0.8mm and outside 1mm laminate finish. provide one 18mm self with 0.8mm laminate .All teak wood bidding should be finished with 1mm laminate with required pattern/drawing rack and with lock, handles ,drawer, chenels,, hinges etc. complete. Including side luggage self of 75mm x 50mm size teak wood patti with pupolish completa . all materials and labor etc. complete as per detail drawing and instruction of engineer- in charge.	7.99	SMT	22779.54	1,82,008.52
69	Window Curtains : Providing and fixing black-out roller blinds of "Aerolux" or equivalent make of any color and size for windows, with super-soft mechanism using clutch and springs housed in aluminum channel fixed to the masonry/ RCC surfaces by use of brackets. The fabric to be of 100% polyester yarn, cut of site-specific size cut using ultra-sonic machines to avoid threads coming out from its edges. The rubberized coating over the fabric to enhance blacking out of the space. complete at all levels and heights.Complete or as directed as per architect drawing and as per instruction of architect & engineer in charge.	24.8	SMT	2439.15	60,490.92
70	6 SEATER DINING TABLE : Provide and supply Nilkamal Jewel Six Seater Dining Set (Walnut) dining table of 1.50m length 0.90m width and 0.75 m height made of Solidwood and melamine finshed with PU polish and 6 chairs 450 mm width 524mm length and 900mm height with 2" cusion as per drawing or image provided by consultant and suggested by engineer in charge.	1	NOS	36107.5	36,107.50
71	Three seated sofas Providing and supplying Nilkamal Rippon 3 Seater sofa or equivalent make Width 209 cm (82.3" Inch), Depth 82 cm (32.3" Inch), Height 92.5 cm (36.4" Inch), Seating Height 47.5 cm (18.7" Inch), springs ensures exceptional comfort Elegant fabric and leatherette upholstery for luxurious comfort Circular shaped armrests and tufted backrest with buttons add a touch of luxury Rose gold legs provide support and a chic and modern aesthetic Built from robust MDF and Neem wood for enhanced durability.	2	NOS	23886.5	47,773.00
72	CENTER TABLE:-Manufacturing and Supply of Center Table Coffe table size 650 (L) x 650 (D) x 400 (H) 1. Wood Framing - Base frame round molded 25x50 mm Sq. thick CP teakwood duly polished with mahogany melamine finished . 2. Top Glass made of 10 mm thick clear toughen glass with crystal edges . 3. Glass support shall be button fitted on all corner.& have pvc buffers at bottom.	1	NOS	7221.5	7,221.50
73	TV UNIT : (1.35 M X 0.25 M X 0.26 M) Provide and supply wall mounted tv made off 19mm ply and both side side drawer and center portion empty, outer coverd with 1mm laminate and inside 0.80mm laminate of required shade as per drawing or image provided by consultant and suggested by EIC.	1	NOS	11665.5	11,665.50
74	SLEEPING BED (1.95 m x 2.15 m x 0.37m) Providing and fixing bed with 25mm ply with 1.0 mm laminate of approved shade in exterior side and 0.8 mm laminate of approved shade in interior side vertical and horizontal surface 19mm plywood with inside 0.8mm and outside 1mm laminate finish provide with two openable shutter at top with handles. Also provide six s.s. legs .All teak wood bidding should be finished with 1mm laminate and also provide two side box (600 x 400 x 450mm) with each two drower made off 19mm ply, outer 1mm and inside 0.8mm laminate etc complete with all materials and labor as per detail drawing and instruction of engineer- in charge.	2	NOS	28280	56,560.00
75	MATTRESS: (1.95M X 2.15 M X 0.15M) Provide and supply required size of mattress provide with memory foam with removable and washable cover of sleepweel or eql. Make as suggested by EIC.	2	NOS	13574.4	27,148.80
76	BED SHEET: (2.50 M X 2.30M) Provide and supply required size of pure cotton bedsheet of required pattern and colour as suggested by eic.	2	NOS	1696.8	3,393.60
77	PILLOW : (0.68 M X 0.45 M) Provide and supply required size of pillow made of microfiber of sleepweel make or etc with it's cotton cover as suggested by EIC.	4	NOS	1131.2	4,524.80
78	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(i) Hard murrum.	106.3	Cmt.	500.04	53,154.25
79	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(A) From Borrow pits within land width	106.25	Cmt.	109.05	11,586.56
80	Rolling of earthwork in layers with power roller including filling in depressions which occur during the process. With Watering of earth work as directed.	106.3	Cmt.	22.88	2,432.14
81	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete.Cat. III	59	PT	481	28,379.00
82	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat. III	6	PT	562	3,372.00
83	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete. cat III	7	PT	668	4,676.00

84	Point wiring for Tissino / Modular secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	7	PT	131	917.00
85	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat. III	18	PT	255	4,590.00
86	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete.Cat. III .)	3	PT	471	1,413.00
87	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat. III	8	PT	704	5,632.00
88	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (1)One No. SP 6 Amp.	100	Ea.	150	15,000.00
89	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (2) One No 5 pin plug	37	Ea.	150	5,550.00
90	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (7) Blank Plate Single	25	Ea.	25	625.00
91	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (8) Computer RJ-45 socket	1	Ea.	159	159.00
92	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (9) 16 Amp. SP one way switch	9	Ea.	179	1,611.00
93	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (10) 6/16Amp. Universal socket	37	Ea.	198	7,326.00
94	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (13) 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch	10	Ea.	307	3,070.00
95	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Car.III (24) Batten Holder/Angle Holder with modular frame with metal ring. Cat-III	15	Ea.	64	960.00
96	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (a)20 mm	400	Mtr	24	9,600.00
97	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	200	Mtr	33	6,600.00
98	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(A) With medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. Mm	1000	Mtr	62	62,000.00
99	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	350	Mtr	82	28,700.00
100	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(A) with medium class Rigid PVC pipe and accessories. (a) 2 wire 4 sq. mm	350	Mtr	111	38,850.00

101	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Tube Light with integral driver (v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet cat-III	23	Ea.	530	12,190.00
102	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20 (iii) 16-20 watts, Surge-2 KV	65	Ea.	584	37,960.00
103	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iii) Above 60 to 90 watts	3	Ea.	5917	17,751.00
104	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C.50 Hz 1200 mm sweep complete having 3 blades aluminium body and blade sets having ornamental design shanks , canopy erected with earthing. [Make shall be approved by Engineer in Charge]	5	Ea.	2289	11,445.00
105	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	5	Mtr	107	535.00
106	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	5	Ea.	107	535.00
107	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM. [C] [A] 305 mm dia 900 RPM.Cat.ii	3	Ea.	2034	6,102.00
108	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (C) 3 1/2 core 50 Sq. mm (25 Sq.1/2 mm core)	10	Mtr	282	2,820.00
109	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	10	Mtr	55	550.00
110	Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7. 5 Cm. layer of sand above & below cable (16 bricks per meter)	10	Mtr	139	1,390.00
111	Providing and erecting iron clad cable route marker duly marked with ELE.CABLE of size 23 cm.X 12 cm. Flushed with ground in cement foundation as directed by Engineer in charge.	2	Ea.	238	476.00
112	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	5	Kg	928	4,640.00
113	Supplying & erecting earth pit of minimum bore dia.150mm size approved make arthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 □/ meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted.(b)For Electrical installation up to 11 KV in normal soil. Length of Pipe : 2.00 mtrs Back filling Compound :1 no. Bag of 25 Kg.)	1	Ea.	5703	5,703.00
114	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed.(iii) 63 Amps. DP Cat. III	1	Ea.	2628	2,628.00
115	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity. (c)63 Amp.	2	Ea.	730	1,460.00
116	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity.(A) 6 to 32 Amp. Cat iii	5	Ea.	297	1,485.00
117	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	15	Ea.	111	1,665.00

118	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for,(A) single phase incoming and horizontal single phase outgoing (A) single phase incoming and horizontal single phase outgoing (iii)8 way	2	Ea.	696	1,392.00
119	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for,(A) single phase incoming and horizontal single phase outgoing (A) single phase incoming and horizontal single phase outgoing(iv)12 way	1	Ea.	859	859.00
Total					49,48,108.93
Rupees Forty Nine Lakh(s) Forty Eight Thousand One Hundred Eight And Paise Ninety Three Only					


Deputy Executive Engineer
Bhiloda Irrigation Sub Division
Shamlaji