

**DEESA NAGARPALIKA, DEESA DIST.- BANASKANTHA**

NAME OF WORK : Drilling of 250 mm dia x 250 mtrs deep Tubewell and Providing & Fixing Borewell Machinery for Deesa Nagar Palika Area, Dist.-Banaskantha.Under 15TH FINANCE COMM. -TIDE-2ND INSTALLMENT Grant.

**SCHEDULE - "B"**

Item No.	Description	Quantity	Rate	Per	Amount
1A	Drilling pilot borehole of size 250 mm at above site by mud flush direct rotary rig.	250.00	606.00	Meter	151500.00
1B	Reaming of 250 mm dia. Pilot borehole to size 550 mm dia.including assembling, lowering housing, casing strainerpipes with gravel packing and clayball packing etc.	250.00	371.68	Meter	92920.00
1C	Development of each water bearing zone coming across the full depth of tubewell by lowering 100mm dia. Droplineand 32 mm. GI airline for each zone with suitable capacity air compressor up to availability of sand free discharge.	1.00	28054.77	Job	28054.77
1D	1100 cfm/300 psi capacity air compressor upto the availability of sand free discharge. (Mini.6 hrs.)	1.00	35008.62	Job	35008.62
2A	Supply of 250 mm dia ERW Blank pipes.Mini.7.10 mm thickness.	250.00	3605.70	Mtr	901425.00
2B	Manufacture,Supply and delivery of cage type wire wound low carbon,Galvanized Screen Pipe (ii) Screen size 1.00 mm Heavy duty.	50.00	3088.58	Meter	154429.00
2C	Screen size 1.50 mm Heavy duty.	50.00	2852.24	Meter	142612.00
3A	Clamps made from MS plate with 3 holes on either side with nuts & bolts of standard make and suitable size. (1) 900 mm X 100 mm X 16 mm flat suitable for 250 mm dia.Pipe.	1.00	2037.91	No	2037.91
3B	Bore plug having 100 mm height made from M.S. plate with 3 holes at equal distance on circumference for nut-bolts type,locking arrangement with nuts-bolts & lock nuts of std. Make complete.Suitable for 250 mm dia pipe.	1.00	1161.62	No	1161.62
3C	M.S. Bail plug having length 0.45 mtr from medium class pipe as per I.S.S. suitable for 250 mm dia pipe.	1.00	1065.02	No	1065.02
3D	Steel bent plate suitable to ERW pipe as detailed below 250 mm dia 200 X 150 X 6,	160.00	91.71	No	14673.60
4	Supply of GRAVEL OF selected size 4 mm to 10 mm,	30.00	2049.29	Cu. Meter	61478.70
5	Supply of clay balls having size of 15mm to 25mm,	30.00	758.51	Cu. Meter	22755.30
6	Supply of portland cement,	1.50	6365.02	M Ton	9547.53
7	Cement sealing as per recommended by Hydrologist without cost of cement and by means of mudpump.	1.00	13405.73	Job	13405.73
8	Electro logging of pilot bore hole(With carting)	1.00	18180.00	Job	18180.00
9	Heavy duty, MS/ GI column pipe both end threaded having length approximate 3mt. Confirming to IS: 1239 (Part- 1) with coupling at one end and thread protector at other end. 80 mm dia Min.	180.00	873.65	Meter	157257.00
10	Supplying at departmental store approved make electric motor driven submersible pump set confirming to IS 8034/1981 and motor confirming to IS 9283/1979 working at 3 phase 400/440 volt 50 C/S AC supply,255 Mt Head, 20 HP and 2900 RPM 180 LPM.	1.00	43370.41	No.	43370.41

Item No.	Description	Quantity	Rate	Per	Amount
11	Lowering / Lifting of 3 phase submersible pump set with MS / GI column pipe into bore well including checking of threads of each pipe with coupling / welding & jointing cable with fuse unit box / control panel board including fitting accessories by means of mechanised derrick / chain pulley block including satisfactory testing. B) Above 150 to 300 meter depth	1.00	2828.00	Job	2828.00
12	Auto transformer starter suitable for local & remote pump control application consisting of Auto Transformer (vacuum impregnated, air cooled having three (3) tapings at 50%, 65% and 80%), incomer MCCB / MPCB, overload relay and contactors as per Type II coordination including digital MFM with RS 485 communication port, analogue type ammeter with selector switch, run hour meter, required protective relays & control accessories. Control panel Board for Sub. pump Detailed specification as per GWSSB R/C. ATS Range A. T. S. from 46 to 50 HP	1.00	38182.04	No.	38182.04
13	PVC insulated flat submersible cable as per detailed technical specifications of R/C of GWSSB conforming to IS 694, IEC 60227 / 60228. 1 R x 3 C x 16.0 mm <sup>2</sup> ,	190.00	313.10	Mtr.	59489.00
14	Supply, installation, testing & commissioning heavy duty APP type capacitor unit, vacuum impregnated with non-PCB / non toxic oil, internally delta connected with built in internal fuses complete with discharge resistances & terminal cover, rated for 440 V AC, 3 Phase, 50 Hz as per IS: 13585 Part-1.	64.00	287.85	kVAR	18422.40
15	Manufacture, supply and delivery of MS / GI specials plain and socket end up to 300 mm dia	300.00	64.64	kg.	19392.00
16	Earthing & Lightning Protection System: S.I.T.C. of earth pit of minimum bore dia 150 mm size approved make Safe Earthing Electrode consisting pipe-in pipe Technology made of corrosion free GI Pipe having outer pipe dia of 50 mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising connection terminal dia. of 12 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications. For Electrical installation covering Motors/ Starters, LV MCC Panel, PDB/ SDB & Lightning Protection System i.e. independent earthing in normal soil with Length of Pipe 3.00 mtr. & Back filling compound - 2 No. Bag of 25Kg each.	2.00	8551.00	No.	17102.00
16A	Providing and Erecting required size of GI strip for earthing of electrical equipment i.e. 11kV DP structure, Transformers body, 11kV Switchgear, Starter/ Motors, LV PMCC Panel, PDB/ LDB, Cable trays etc.	20.00	77.00	Kg	1540.00
16B	Providing & erecting Hot dip Galvanised strip/ iron wire 8 to 16 SWG for Aux. DB, Outdoor Lighting Poles & LPBS etc.	200.00	77.00	kg	15400.00

Item No.	Description	Quantity	Rate	Per	Amount
17	Supply & laying GI perforated type cable trays with returned edge / flange, fabricated from 2.0 mm thk sheet steel in the standard length of 2.5 mtrs, duly hot dipped galvanized after fabrication as per IS 2629-1989 / IS 4759-1984 including accessories such as coupler plates/ fish plates, bends, tees, reducers, elbows, covers and electro-galvanized hardware etc, erected on existing support as per specification 100(W) x 35(H) x 2.0 mm Thick and instruction of Engineer-in-charge.	40.00	230.28	Rmt	9211.20
18	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.(A) Loose or soft soil	23.00	117.08	Cmt	2692.84
19	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	14.00	130.39	Cmt	1825.46
20	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. Thickness including watering, ramming and consolidating etc. complete. (upto 10 Ton)	11.00	270.30	Cmt	2973.30
21	Providing and laying cement concrete 1:4:8 (1- Cement : 4- Coarse sand : 8- crushed stone aggregates 40 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	7.00	2773.26	Cmt	19412.82
22	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	5.00	4127.51	Cmt	20637.55
23	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts, upto floor two level.	2.00	4486.95	Cmt	8973.90
24	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in © Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	2.00	4388.13	Cmt	8776.26
25	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in © Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	2.00	4388.13	Cmt	8776.26
26	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in © Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	0.45	4388.13	Cmt	1962.02
27	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in © Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	0.11	4388.13	Cmt	473.92
28	Providing TMT Bar FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	1113.00	76.21	Kg	84821.73

Item No.	Description	Quantity	Rate	Per	Amount
29	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	7.02	187.11	Smt	1313.51
30	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts. (1) Square Rectangular Polygonal in plan.	3.81	303.84	Smt	1157.02
31	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth.	6.23	197.25	Smt	1228.47
32	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness.	13.70	254.52	Smt	3487.33
33	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (2) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels exceeding 1M.in Depth.	3.59	260.88	Smt	936.04
34	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (L) Chullah Hoods, weather shades Chhajjas Corbels etc. including edges.	1.03	168.96	Smt	173.61
35	Brick work using common brunt clay building bricks having crushing strength not less than 35 kg/sq.cm. i foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Conventional	6.00	4021.02	Cmt	24126.12
36	Brick work using common burnt clay building bricks having crushing strength 35 kg/sq.cm in superstructure for Ground floor in C:M 1: 5 (1 cement : 5 fine sand) Conventional	10.00	4320.08	Cmt	43200.80
37	Brick work using common burnt clay building bricks having crushing strength 35 kg/sq.cm in superstructure from First Floor in C:M 1: 5 (1 cement : 5 fine sand)	2.00	4360.57	Cmt	8721.14

Item No.	Description	Quantity	Rate	Per	Amount
38	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 (ii) Cement mortar 1:4 (1-cement :4-sand)	9.00	143.98	Smt	1295.82
39	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	36.00	179.92	Smt	6477.12
40	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brickwalls for interior plastering upto floor two leveand finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand) in First Floor	6.00	183.10	Smt	1098.60
41	20mm thick sand faced 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.	76.00	305.42	Smt	23211.92
42	Applying two coats of putty & 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.	51.00	40.59	Smt	2070.09
43	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	51.00	79.22	Smt	4040.22
44	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	76.00	70.32	Smt	5344.32
45	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade	10.00	1280.56	Smt	12805.60
46	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. (B) 30 mm thick	6.00	1016.49	Smt	6098.94
47	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	11.00	747.29	Smt	8220.19

Item No.	Description	Quantity	Rate	Per	Amount
48	Providing and supplying standard length ISI mark rigid unplasticized PVC pipes suitable for potable water with ring fit joint including cost of rings as per IS specification no 4985 /1988 including all local and central taxes and transportation freight charges inspection charges , loading , unloading conveyance to departmental store and including cost of jointing material etc. 6 kg/cm <sup>2</sup> 4) 110 mm (GWSSB SOR 2022-23 item no 3.1.B page no 6)	8.00	199.00	Rmt	1592.00
49	Carring out plinth treatment to post construction / existing structure 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 Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	12.00	82.72	Smt	992.64
50	Providing and fixing M.S. grills of required pattern to wooden frames of window etc. with M.S. flats at required spacing and frame around square or round bars with round headed bolts and nuts or by screws. (A) Plain grill	72.00	101.17	Kg	7284.24
51	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	3.00	5338.30	Smt	16014.90
52	Point wiring for Light / Fan/ Bell/ Primary 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 upto max length of 10 mt, in below type of pipe erected with 6A Tissino Type ISI marked flush type switch / bell push and accessories erected on Metal / PVC/Wooden Box covered with 3 mm thick PC(Polycarbonate) /Acrylic/Laminated sheet. 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	10.00	326.00	pt	3260.00
53	Supplying & erecting XLPE(IS:7098) (I)-88 ISI unarmoured Aluminium cable 1.1 KV.grade to be erected as directed of following size. (a) 2 core 2.5 Sq. mm	70.00	34.00	mtr	2380.00
Total Rs.					2380305.55
<b>Total Amount Rs.</b>					<b>2380310.00</b>