

DEESA NAGARPALIKA, DEESA DIST.- BANASKANTHA

NAME OF WORK : CONSTRUCTION OF PERCOLATING WELL AT VARIOUS - 21 LOCATION IN DEESA NAGARPALIKA AREA, DEESA, DIST: BANASKANTHA. (Under Catch the Rain Grant)

1	NAME OF WORK : PERCOLATING WELL AT ARBUDANAGAR
2	NAME OF WORK : PERCOLATING WELL AT AMBIKANAGAR
3	NAME OF WORK : PERCOLATING WELL AT ANAND BUNGLOWS
4	NAME OF WORK : PERCOLATING WELL AT ANKIT SOCIETY
5	NAME OF WORK : PERCOLATING WELL AT ANKUR SOCIETY
6	NAME OF WORK : PERCOLATING WELL AT BAJRANGNAGAR
7	NAME OF WORK : PERCOLATING WELL AT CHITRKUT SOCIETY
8	NAME OF WORK : PERCOLATING WELL AT HAROM PARK
9	NAME OF WORK : PERCOLATING WELL AT INDIRANAGAR
10	NAME OF WORK : PERCOLATING WELL AT JOGKRUPA SOCIETY
11	NAME OF WORK : PERCOLATING WELL AT KAILASHNAGAR
12	NAME OF WORK : PERCOLATING WELL AT KHADIYA AREA
13	NAME OF WORK : PERCOLATING WELL AT M.K PARK
14	NAME OF WORK : PERCOLATING WELL AT MADHUVAN SOCIETY
15	NAME OF WORK : PERCOLATING WELL AT MAHARANA PRATAP SCHOOL
16	NAME OF WORK : PERCOLATING WELL AT MALIVAAS SHAMSHAN
17	NAME OF WORK : PERCOLATING WELL AT MANGAL PARK
18	NAME OF WORK : PERCOLATING WELL AT MODHESHVARI GAJANAND PARK
19	NAME OF WORK : PERCOLATING WELL AT RAJMANDIR
20	NAME OF WORK : PERCOLATING WELL AT RAMAPIR TEMPLE RANPUR
21	NAME OF WORK : PERCOLATING WELL AT SHARI RAM TAKIES G.I.D.C

SCHEDULE - "B"

II Attempt

Item No.	Description	Quantity	Rate	Per	Amount
1	Carrying out the resistivity study to understand the sub surface desposition pattern of geological layers and assess the groundwater potential of the particular location / point with probable formation material with depth / thickness of the layer along with approximate permeability and transmittivity of specific material to calculate groundwater water bearing capacity and rainwater recharge capacity by using the sTEM10 Profiler (the geophysical instrument) designed specifically for efficient and accurate groundwater surveys and subsurface investigations through transient electromagnetic (TEM) methods, for mapping aquifers and assessing groundwater recharge conditions.	21.00	14428.86	Nos	303006.06
2	Carrying out of borehole electro logging and submission of the report to obtain spontaneous potential(SP) and Resistivity log for a recommendation of pip eassembly (Note : LOGGING SENSOR MUST GO DOWN UPTO TOP MOST BOTTOM SURFACE OF TUBEWELL)	21.00	18180.00	Nos	381780.00
3	Excavation for pit sand trenches in soil of required width,length and depth for the rain water harvesting system in all types of soil,sand,gravel,clay,soft and hard Murom including removing all excavated material within the premises upto 100meter lead,cleaning of site,removing shrubs,tree roots,vegetation and dewatering if required as per site condition,back filling, ramming, watering for depth up to 3.0 m as per the approved design/ drawing and specifications.	451.22	136.30	Cu.M	61500.61

Item No.	Description	Quantity	Rate	Per	Amount
4	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.	5.05	2773.26	Cu.M	13991.79
5	Demolition and disposal of unserviceable materials with all lead and lift.3KM (ii) Unreinforced cement concrete (SOR 2024-25,Chap-26,Item no,20001B, 20.1 Page No 153)	30.24	623.02	Cu.M	18840.12
6	Providing , fixing , testing and commissioning of modular readymade and lightweight Polyethylene (PE) material rain water harvesting system specially designed for underground application to absorb surrounding dynamic load having adequate water conveying capacity to functionas primary surface filtration unit having in built oil/grease trap arrangment to avail Green Building Cerfication (i.e.IGBC/USGBC/GRIHA).connecting to nearby storm water network as per manufacturer guidelines and approved design/ drawings with following specifications.(1000mm *2165mm deep*8mm thk.)	21.00	126250.00	Cu.M	2651250.00
7	Supplying and fixing pvc single screen filtration arrangement having dimension of 110mmx750mm with slot size maximum of 1mm on outlet of filtration system. Including HDPE filter bags having pore size upto 0.5mm to be fixed on uPVC inlet pipe and dual screen with SS clamp as per approved drawing/ design.	21.00	8585.00	Sqm	180285.00
8	Providing and laying charcole media in the filtration system to remove bacteria and odor(MR)	21.00	7777.00	mt	163317.00
9	Providing ,fixing and commissioning of readymade manhole cover for the system specially designed with locking arrangement for various load bearing capacities for vehicular or nonvehicular movement suitable to application to be fixed to primary/ secondary filtration systems as per manufacturer guidelines and approved design/ drawings.(40 T load carrying capacity.) Nos	21.00	12625.00	Sqm	265125.00
10	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering.	451.22	136.92	Cu.M	61780.37
11	Providing ,laying and fixing in position unplasticised rigid PVC pipes conforming to IS:4985,IS:7834,IS:10124including all fittings such as bends ,clamps to the specified invert level sand slope with provision of water meter fixing arrangement supported by sand filled bags,including all fittings such as NRV,bends,junctions,Tee,airvent,end-cap,flange adapters,in situ adapter ,accesspieces /plugs jointing with uPVC adhesive including cutting hole sand making it good water tight by using specially designed leakproof flange adapters joining, testing & commissioning of overall 6meter pipe length for sub-surface filtration system as per design/ drawing as approved.160 mm(6 kg / sqcm)	168.00	424.20	Rmt	71265.60

Item No.	Description	Quantity	Rate	Per	Amount
12	Providing ,laying and fixing in position unplasticised rigid PVC pipes conforming to IS:4985,IS:7834,IS:10124including all fittings such as bends ,clamps to the specified invert level sand slope with provision of water meter fixing arrangement supported by sand filled bags,including all fittings such as NRV,bends,junctions,Tee,airvent,end-cap,flange adapters,in situ adapter ,accesspieces /plugs jointing with uPVC adhesive including cutting hole sand making it good water tight by using specially designed leakproof flange adapters joining, testing & commissioning of overall 6meter pipe length for sub-surface filtration system as per design/ drawing as approved. 200 mm(6 kg / sqcm)	168.00	671.65	Rmt	112837.20
13	Supply , installation ,testing and commissioning of ultrasonic meter 'Smart Water Management System 'to collect real time water quality and quantity parameters for conductive liquids like rain water for underground application to be fixedin-line horizontal uPVC pipe having weather proof connection, with data logging device having IP68 housing with required isolated flow signal with micro processor based transmission option for flow pattern recording with GSM/GPRS moder ninterface feature including 10 meter long cablefor12-24V DC power supply and 12V 3500mAh battery capacity including all necessary fixing arrangement as per design/ drawing as approved.	21.00	63312.86	Nos	1329570.06
14	Drilling 250/300mm dia.Pilot bore at above village site in all strata by mud flush direct rotary Ring from 0.00 mtr. To 250 mtrs.	3150.00	606.00	R.Mt.	1908900.00
15	Reaming of 250/300mm dia. Bore hole to following bore hole including assembling, joining, lowering of housing casing strainer pipes and other assemble item with gravel packing and other assemble items with packing and clay ball packing etc. (2)550dia.bore hole from 0.00 to 300mtrs.	3150.00	371.68	R.Mt.	1170792.00
16	Providing required fresh water for the drilling process from the outside source of water through water tankers(MR)	420.00	757.50	Nos	318150.00
17	Supply of best quality well sorted sevaliya gravel of size ranging from 4mm to 6mm.	593.46	2049.29	Cu.M	1216171.64
18	(B3)Development of tubewel: Development of tubewell zone wise with 900 CFM/200 PSI (above the depth of 250 mtr.) air compressor up to availability of sand free discharge. The Air compressor should run minimum for six hrs of upto availability of sand free discharge.	21.00	27603.30	Job	579669.30
19	Providing and fixing uPVC bail plug of 150mm dia having threaded joint at bottom of casing pipe	21.00	1010.00	Nos	21210.00
20	Manufacture, supply and delivery of Cage type trapezoidal shape ("V") wire wound low carbon, galvanized screen pipe and stainless steel screen pipes, confirming to IS: 8110 ,125 mm dia. LIGHT, 1) 1.00 mm slot size	1050.00	1021.11	Rmt	1072165.50
21	Providing ,laying and fixing in position casing pipe into borewell upto depth defined from geohydrological survey under instruction of site engineer as per aprproved design/ drawing. (Make : Supreme, Ashirwad or equivalent)150 mm dia solid CM grade pipe	2520.00	1262.50	R.Mt.	3181500.00

Item No.	Description	Quantity	Rate	Per	Amount
22	Providing ,laying and fixing in position casing pipe into borewell upto depth defined from geohydrological survey under instruction of site engineer as per approved design/ drawing. (Make : Supreme, Ashirwad or equivalent)150 mm dia perforated / slotted CM grade pipe	630.00	1292.80	Rmt	814464.00
23	Rate for labour of Cement ceiling without supply of cement	21.00	13405.73	job	281520.33
24	Supply of cement	21.00	6365.02	M.To n	133665.42
25	Lowering of the drop-line pipe for the airline work.	3150.00	149.48	Rmt	470862.00
26	Supply and placing of clay balls in annular space having sizes of 25 mm to 50 mm diameter made from sticky clay.	105.00	758.51	Cu.M	79643.55
27	Demolition and disposal of unserviceable materials with all lead and lift .(ii) unreinforced cement concrete.	126.00	623.02	CUM	78500.52
28	Conveyance of materials (A) Lime ,murrum,building rubbish,earth,manure or sludge & excavated rock and rubbish (1) Lime, murrum, building rubbish.upto 3 km (SOR 2024-25,Item 3.2.1.A(1),Page no 248) (2) EARTH 3KM LEAD	126.00	61.32	CUM	7726.32
29	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.	63.00	2773.26	CUM	174715.38
30	Providing and casting in situ ordinary cement concrete 1:1.5:3 (1 Cement :1.5Coarsed Sand : 3 Graded Stone Aggregate 20mm nominal size) for C.C. Road Including Compaction and finishing by trimix process including providing Construction Contraction and expansion joint and filling in joints with bitumen etc. completed as directed by engineer in charge.	63.00	4532.44	CUM	285543.72
31	Excavation for pipe line treanches for water supply , sewerage line , manhole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including upto all required lead cleaning the site etc. complete for all lifts and strata specified a)in all sorts of soil and soft murrum.and hard murrum ,boulders incl. ,soft rock and masonry and hard rock or in c.c . upto 1.5 mt depth. (d)	283.50	375.72	CUM	106516.62
32	Providing ,laying and fixing in position unplasticised rigid PVC pipes conforming to IS:4985,IS:7834,IS:10124including all fittings such as bends ,clamps to the specified invert level sand slope with provision of water meter fixing arrangement supported by sand filled bags,including all fittings such as NRV,bends,junctions,Tee,airvent,end-cap,flange adapters,in situ adapter ,accesspieces /plugs jointing with uPVC adhesive including cutting hole sand making it good water tight by using specially designed leakproof flange adapters joining, testing & commissioning of overall 6meter pipe length for sub-surface filtration system as per design/ drawing as approved.(200MM)	420.00	671.65	RMT	282093.00
33	Lowering , laying and jointing PVC/UPVC/CPVC pipes And special following class and diameters including cost of cineyance from stores to site of works including cost of labour materials , cement solvent giving satisfactory hydraulic testing as per isi code pipe dia.(200 mm0	420.00	37.37	RMT	15695.40

Item No.	Description	Quantity	Rate	Per	Amount
34	Providing and constructing sewer manhole, scraper manholes and unit house connection as per the type design in brick masonry in c.m. 1:5 and inside and outside 20 mm thick plastering in C.M. 1:3 necessary 100 mm coping with reinforcement in R.C.C.M. 200 fixing C.I. step and fixing manhole frame and covers (but excluding supply of manhole frame and cover) over manholes and house connection chambers and fixing manhole covers (but excluding supplying of manhole covers) over scraper manhole etc. complete. providing and fixing safety chain wherever necessary as per the stipulation in the type design complete as per latest CPHEEO manual. a) manhole type "A" circular type having inside diameter of 1200 mm for depth upto 1.5 m depth (For 150 mm to 500 mm dia sewer) 1 manhole type "A" as above but upto 1.0 m depth	42.00	12300.79	NOS	516633.18
35	Catch Pit Jali Fixing P/FFRC catch pit jali with frame 600mm x 600mm clear opening etc.comp.As directed by Engineer in charge	840.00	77.29	NOS	64923.60
36	R.C.C. Precast M.H. frame & cover manufacture, supply and delivery of store or at site of work precast r.c.c. m200 frame and cover suitable to drainage M.H. and as per type design & drawing including cost of reinforcement M.S. angle or plate, curing mold work etc. Heavy duty frame suitable for 50 cm opening of MH	42.00	1132.21	NOS	47552.82
37	Cover suitable for 50 cm opening of MH	42.00	1184.73	NOS	49758.66
38	Filling available excavated earth in trenches. Plinth, sides of foundations etc. in layers not exceeding 20cm.in depth consolidating each disposed layer by ramming and watering.	241.50	136.92	CUM	33066.18
39	Providing and fixing junction board of M.S plate and angle as per standard IRC design including fixing in cc 1:4:8 with necessary excavation, painting,figuring and lettering on board etc	21.00	5236.70	Nos	109970.70
Total Rs.					18635958.66
Total Amount Rs.					18636000.00