

Name Of GP: Kunwar Kunwari

BLOCK: Santha

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY		DPR DETAILS	
0	Soil	6.05	0.50m GL	SL Lowering Date -	19/04/2023
18	Sand + FK	6.05		1 Tubewell Discharge in LPM	900 LPM
35	Clay	6.04		2 Drilling Depth 143m	Di Dia- 550mm φ - 40m Di Dia- 500mm φ - 103
50	Sand + FK	6.04		3 Tubewell Assembly Size -	200X150 mm φ
54	clay	6.03		Depth Logged-	Date of Logging -
56	M. Sand + FK	6.05	35.76	SI	Depth Range Mbgl
60	H. Clay	0.20	35.96	1	18 - 35
66	f. Sand + FK	6.01		2	50 - 54
70	clay	6.02		3	56 - 60
76	f. Sand + FK	6.02		4	66 - 70
80	H. Clay	1.99	56.00	5	76 - 80
87	f. Sand + FK	4.00	60.00	6	87 - 91
91	clay	6.00	66.00	7	95 - 98
95	f. Sand + FK	4.00	70.00	8	120 - 126
98	H. Clay	6.00	76.00	9	
120	Sand + FK	4.00	80.00	Note:- All zones are intermixed with fine bands of kankar.	
126	H. Clay	6.00	87.52	ASSEMBLY DETAILS	
143	H. Clay	1.50	87.52	200 mm Dia Housing Pipe A.G.L 0.50 m	
		3.02	90.54	200 mm Dia Housing Pipe B.G.L 35.76 m	
		4.46	95.00	200X150 mm Dia Reducer 35.76 to 35.96m	
		3.00	98.00	150 mm Dia Plain Pipe 35.96 to 56.00	
		6.02	104.02	150 mm Dia Slotted Pipe 56.00 to 60.00	
				150 mm Dia Plain Pipe 60.00 to 66.00	
				150 mm Dia Slotted Pipe 66.00 to 70.00	
				150 mm Dia Plain Pipe 70.00 to 76.00	
				150 mm Dia Slotted Pipe 76.00 to 80.00	
				150 mm Dia Plain Pipe 80.00 to 87.52	
				150 mm Dia Slotted Pipe 87.52 to 90.54	
				150 mm Dia Plain Pipe 90.54 to 95.00	
				150 mm Dia Slotted Pipe 95.00 to 98.00	
				150 mm Dia Plain Pipe 98.00 to 104.02	
				mm Dia Pipe to	
				mm Dia Pipe to	
				mm Dia Pipe to	
				mm Dia Pipe to	
				Total assembly- 104.02 Mtr. + A.G.L = 104.52 m	
				3- Proposed Assembly for lowering	
				(1) 300MM DIA MSERW HOUSING PIPE =	
				(2) 200MM DIA MSERW HOUSING PIPE = 36.26 m ✓	
				(3) 150MM DIA MSERW PLAIN PIPE = 50.04 m ✓	
				(4) 150MM MSERW SLOTTED PIPE = 18.02 m ✓	
				(5) 300/150 REDUCER =	
				(6) 200/150 REDUCER = 0.20 m	
				(7) 300MM DIA WELL CAP =	
				(8) 200MM DIA WELL CAP =	
				(9) 150MM DIA CENTRE GUIDE =	
				(10) MM DIA BORE DIGGING =	
				(11) MM DIA BORE DIGGING =	
				(11) Gravel Packing =	
				Total assembly- 104.52 m	
Total Depth-		AGL+0.50M	+ 0.50		
		TOTAL Assembly	104.52		

Brookings

MEIL (QC)

Luckyeti

TPI (FICHTNER)

inf

CLIENT(SWSM/UPJN)



Aqua Xplore

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 417 - K / AX - 2023

Date 17.04.2023

Geophysical Borehole Logging Report

Name of the site : Kunwar Kunwari, Block - Santha

District : Sant Kabir Nagar

Date : 17.04.2023

Depth logged : ~~135.0~~ mbgl

Depth drilled : 143.0 mbgl - as reported

Logger use : Robertson ~~make~~

Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	18.0-35.0	17.0	Good all
2	50.0-54.0	4.0	
3	56.0-60.0	4.0	
4	66.0-70.0	4.0	
5	76.0-80.0	4.0	
6	87.0-91.0	4.0	
7	95.0-98.0	3.0	
8	120.0-126.0	6.0	

Note. All zones are intermixed with kankar. Sl. Nos. 4 to 7 are fine sand.

Verified as per
logs provided.

Note: Sr. No 5 - Highly
kankar Intermixed.

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

G. Gh
10/04/23