



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 722 - M / AX - 2022

Date 22.07.2022

Geophysical Borehole Logging Report

Name of the site : Mahulani, Block - Bansi

District : Siddharth Nagar

Date : 22.07.2022

Depth logged : 166.0 mbgl

Depth drilled : 170.0 mbgl - as reported

Logged by : Aqua Xplore Robertson Make.

Presence : Er.A.K.Maurya, J.E. & 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	44.0--54.0	10.0	Good all
2	64.0--71.0	7.0	
3	78.0--88.0	10.0	
4	99.0--106.0	7.0	
5	120.0--124.0	4.0	
6	132.0--140.0	8.0	
7	146.0--150.0	4.0	
8	154.0--164.0	10.0	

Note, All zones are intermixed with fine bands of kankar. Sl. Nos. 2 & 7 are fine sand.

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

for Aqua Xplore

Verified as per
logs provided.

S. Ch
SISTANT PTL
YANTRIKI IDAL
B.P. JAL NIGAM (RURAL)
PRAYAGRAJ
GEOLOGIST

Megha Engineering & Infrastructures Limited

Agreement No. :-

Block Name:- BANSI

Name Name:- MAHULANI

Name of Activity:- LOWERING OF TUBEWELL ASSEMBLY

Depth B.G.L. Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.31 M
				200 x 150mm reducer from 85.31 M to 35.51 M
			6.00	150mm dia plain pipe from 35.51 M to 80.56 M
			6.00	150mm dia slotted pipe from 80.56 M to 86.56 M
			6.01	150mm dia plain pipe from 86.56 M to 132.96 M
			6.00	150mm dia slotted pipe from 132.96 M to 138.97 M
			6.00	150mm dia plain pipe from 138.97 M to 144.97 M
			6.00	150mm dia slotted pipe from M to M
			6.00	150mm dia plain pipe from M to M
44.31		CLAY	35.31	
			35.51	
			6.00	
		MEDIUM SAND	6.01	
			6.01	
53.86		CLAY	6.01	
			6.01	
64.10		MEDIUM SAND	3.00	
			6.00	
71.18		CLAY		
			6.00	
78.35		MEDIUM SAND	6.00	
			6.00	
88.10		CLAY	6.00	
			6.00	
99.31		FINE SAND	6.00	
			6.00	
106.12		CLAY	6.00	
			4.40	
120.31		FINE SAND	6.00	
124.15		CLAY		
			6.01	
132.31		MEDIUM SAND	6.01	
			6.00	
140.12		CLAY	6.00	
			6.00	
146.31		MEDIUM SAND		
150.55		CLAY		
154.18		MEDIUM SAND		
166				

ASSEMBLY DETAILS		
200 mm Dia housing pipe to	35.31 M	
200 x 150mm reducer from	85.31 M to	35.51 M
150mm dia plain pipe from	35.51 M to	80.56 M
150mm dia slotted pipe from	80.56 M to	86.56 M
150mm dia plain pipe from	86.56 M to	132.96 M
150mm dia slotted pipe from	132.96 M to	138.97 M
150mm dia plain pipe from	138.97 M to	144.97 M
150mm dia slotted pipe from	M to	M
150mm dia plain pipe from	M to	M
Total Assembly- 144.97 M + AGL 0.5 = 145.47 M		

ABSTRACT	
Date of Lowering-	
LPM-	350 LPM
Drilling Depth-	165 M
Assembly Lowered-	145.47 M
Housing Pipe-	35.81 M
Plain Pipe-	97.45 M
Slotted Pipe-	12.01 M
Reducer-	0.20 M

LOGGING REPORT	
Date of Logging-	
Logging Depth-	166 M
	44 - 54 = 10
	64 - 71 = 7
	78 - 88 = 10
	99 - 106 = 7
	120 - 124 = 4
	132 - 140 = 8
	146 - 150 = 4
	154 - 164 = 10



TPI

J.E.

A.E.

E.E.