



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 909 - S / AX - 2022 Date 09.09.2022

Geophysical Borehole Logging Report

Name of the site : Sawadar, Block – Khesaraha

District : Siddharth Nagar

Date : 09.09.2022

Depth logged : 157.0 ~~mbgl~~

Depth drilled : 168.0 mbgl – as reported

Logger use : 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	12.0–20.0	8.0	Good all
2	26.0–36.0	10.0	
3	44.0–48.0	4.0	
4	62.0–69.0	7.0	
5	80.0–88.0	8.0	
6	116.0–124.0	8.0	
7	134.0–141.0	7.0	

Note. All zones are intermixed with fine bands of kankar.

Verified as per
logs provided
Note: Sr No 7 may
be considered as 137-141
(4 m).
G.S.
19/09/22

for Aqua Xplore

M/S Megha Engineering & Infrastructure Limited
Hyderabad

STRATA CHART

meil Engineering & Constructors Limited

Agreement No. :-

of District:- SIDDHARTH NAGAR

Block Name:- KHESHRAHA

Area Name:- SAWADAD

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 35.52 M
				200 x 150mm reducer from 35.52 M to 35.72 M
33		clay	6.00	150mm dia plain pipe from 35.72 M to 62.64 M
4.08		medium sand	6.01	150mm dia slotted pipe from 62.64 M to 68.61 M
6.88		clay	6.01	150mm dia plain pipe from 68.61 M to 80.82 M
8.8		medium sand	5.99	150mm dia slotted pipe from 80.82 M to 86.85 M
9.6		clay	6.02	150mm dia plain pipe from 86.85 M to 116.89 M
14.08		medium sand	5.99	150mm dia slotted pipe from 116.89 M to 122.87 M
14.8		clay	6.01	150mm dia plain pipe from 122.87 M to 128.87 M
18		medium sand	2.90	
18.50		clay	6.02	
23		medium sand	6.01	Total Assembly- 128.87 M + AGL 0.5 = 129.37 M
29.70		clay	6.11	
30.18		medium sand	6.10	
38.50		clay	6.03	
46.14		medium sand	6.02	
54.80		clay	6.01	
64.55		fine sand	6.01	
71.08		clay	6.01	
80.00		clay	6.01	
88.00		clay	6.01	
96.00		clay	6.01	
104.00		clay	6.01	
112.00		clay	6.01	
120.00		clay	6.01	
128.00		clay	6.01	
136.00		clay	6.01	
144.00		clay	6.01	
152.00		clay	6.01	
160.00		clay	6.01	

ABSTRACT

Date of Lowering-

LPM 550 LPM

Drilling Depth- 165 M

Assembly Lowered- 129.37 M

Housing Pipe- 36.02 M

Plain Pipe- 75.17 M

Slotted Pipe- 17.98 M

Reducer- 0.20 M

LOGGING REPORT

Date of Logging-

Logging Depth- 158 M

12 - 20 = 8

26 - 36 = 10

44 - 48 = 4

62 - 69 = 7

80 - 88 = 8

116 - 124 = 8

134 - 141 = 7



TPH

AM
IE

AE

E.E.