





**MEGA ENGINEERING & INFRASTRUCTURE LIMITED**

Name Of GP: Ammadei

BLOCK: Nath Nagar

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY	
			0.50m GL
			XXX
0	Soil	6.07	
		6.07	
		6.07	
22	Sand + FK	6.04	
		6.07	
26	Clay	6.07	35.89m
		0.20	36.09m
29	Sand + FK	6.04	
		6.05	
		6.05	
36	H. Clay	6.05	
		6.05	
52	Sand + FK	6.05	
		6.05	
65	Clay	6.06	84.49
84	M. Sand + FK	6.03	90.52
		6.09	
		6.03	
91	H. Clay	4.5	
105	M. Sand + FK	6.05	107.14
		6.04	
120	Clay		119.23
		6.03	
132	F. Sand + FK		
136	H. Clay		
143			

DPR DETAILS

SL Lowering Date -	09/05/2023		
1 Tubewell Discharge in LPM	500 LPM		
2 Drilling Depth	143 m Di Dia - 550mm φ - 40m Di Dia - 500mm φ - 10.8m		
3 Tubewell Assembly Size -	200 X 150 mm φ		
Depth Logged -	Date of Logging -		
SI	Depth Range Mbgl	Thickness in Mtr.	Remarks.
1	22 - 26	4	
2	29 - 36	7	All good
3	52 - 65	13	
4	84 - 91	7	
5	105 - 120	15	
6	132 - 136	4	
7			
8			
9			

Note:- All zones are returned with fine bands of kaolinite.

ASSEMBLY DETAILS

200 mm Dia Housing Pipe A.G.L	0.50 m
200 mm Dia Housing Pipe B.G.L	35.89 m
200 X 150 mm Dia Reducer	35.89 m to 36.09 m
150 mm Dia Plain Pipe	36.09 to 84.49 m
150 mm Dia Slotted Pipe	84.49 m to 90.52 m
150 mm Dia Plain Pipe	90.52 m to 107.14 m
150 mm Dia Slotted Pipe	107.14 m to 119.23 m
150 mm Dia Plain Pipe	119.23 to 125.26 m
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to

Total assembly - 125.26 Mtr. + A.G.L = 125.76m

3- Proposed Assembly for lowering

(1) 300MM DIA MSERW HOUSING PIPE =	
(2) 200MM DIA MSERW HOUSING PIPE =	36.39m ✓
(3) 150MM DIA MSERW PLAIN PIPE =	71.05m ✓
(4) 150MM MSERW SLOTTED PIPE =	18.12m ✓
(5) 300/150 REDUCER =	
(6) 200/150 REDUCER =	0.20m
(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 Depth- 143

AGL+0.50M + 0.50

TOTAL Assembly - 125.76m

Total assembly - 125.76m

MEIL (QC)

TPI (FICHTNER)

CLIENT(SWSM/UPJN)



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 505 - A / AX - 2023

Date 05.05.2023

## Geophysical Borehole Logging Report

Name of the site : Ammadei, Block - Nath Nagar

District : Sant Kabir Nagar

Date : 05.05.2023

Depth logged : ~~137.0 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	22.0-26.0	4.0	Good all
2	29.0-36.0	7.0	
3	52.0-65.0	13.0	
4	84.0-91.0	7.0	
5	105.0-120.0	15.0	
6	132.0-136.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl. No. 6 is fine sand.

Verified as per  
logs provided  
Note, Sr No 5  
110-120  
(10m)

for Aqua Xplore

To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad

G.Sh  
06/05/23