



MEGHA ENGINEERING & INFRASTRUCTURE LIMITED

Name Of GP: BANKATIYA BLOCK: Khalilabad DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L. PROPOSED LOWERED ASSEMBLY

+	clay	6.01m	0.50m GL
		6.24m	
24	M-SAND KANKAR	6.23m	36.61m
		6.09m	
33	F.K.+ SAND	6.22m	36.81m
		6.23m	
37	HARD clay	0.20m	45.19 m
		6.06m	
42	F.K.+ SAND	6.00m	82.00m
		6.06m	
46	HARD clay	6.08m	106.00m
		6.08m	
54	F.K.+ SAND	2.72m	110.00m
		6.05m	
58	clay	6.07m	113.36m
		1.85m	
62	F.K.+ SAND	6.08m	119.39m
		6.08m	
66	HARD clay	1.85m	125.44m
		6.08m	
70	H.K.T SAND	6.08m	125.94m
		6.08m	
72	clay	6.08m	125.94m
		6.08m	
76	H.K.T SAND	6.08m	125.94m
		6.08m	
82	HARD clay	6.08m	125.94m
		6.08m	
92	F.K.+ SAND	6.08m	125.94m
		6.08m	
106	clay	6.08m	125.94m
		6.08m	
110	F.K.+ SAND	6.08m	125.94m
		6.08m	
113	H.Clay	6.08m	125.94m
		6.08m	
120	F.K.+ SAND	6.08m	125.94m
		6.08m	
132	soil	6.08m	125.94m
		6.08m	

DPR DETAILS

SL Lowering Date - 13/01/2023

1 Tubewell Discharge in LPM

2 Drilling Depth 132 Di Dia- 600-40,500 Dia- 92m

3 Tubewell Assembly Size - 300x150mm

Depth Logged - Date of Logging - 08/01/2023

Sl	Depth Range Mbgl	Thickness in Mtr.	Remarks.
1	24-33	9	All good
2	37-42	5	
3	46-54	8	
4	58-62	4	
5	66-70	4	
6	72-76	4	
7	82-92	10	
8	106-110	4	
9	113-120	7	

Note:- All zone are intermixed with fine kankar sp. - sp. 6 high 10

ASSEMBLY DETAILS

300	mm Dia Housing Pipe A.G.L	0.50m
300	mm Dia Housing Pipe B.G.L	36.61m
200x150	mm Dia Reducer	36.61
150	mm Dia plain Pipe	36.81
150	mm Dia slotted Pipe	82.00
150	mm Dia plain Pipe	92.00
150	mm Dia slotted Pipe	106.00
150	mm Dia plain Pipe	110.00
150	mm Dia slotted Pipe	113.36
150	mm Dia plain Pipe	119.39
150	mm Dia slotted Pipe	125.44

Total assembly- 125.44 Mtr. + A.G.L. = 125.94m

3- Proposed Assembly for lowering

(1) 300MM DIA MSERW HOUSING PIPE	=	37.11m ✓
(2) 200MM DIA MSERW HOUSING PIPE	=	
(3) 150MM DIA MSERW PLAIN PIPE	=	68.60m ✓
(4) 150MM MSERW SLOTTED PIPE	=	20.03m ✓
(5) 300/150 REDUCER	=	0.20m
(6) 200/150 REDUCER	=	
(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- 125.94m

Total Depth- TOTAL Assembly -

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. 108 - B / AX - 2023

Date 08.01.2023

Geophysical Borehole Logging Report

Name of the site : Bankatiya, Block – Khalilabad

District : Sant Kabir Nagar

Date : 08.01.2023

Depth logged : ~~130.0~~ mbgl

Depth drilled : 138.0 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	24.0--33.0	9.0	Good all
2	37.0--42.0	5.0	
3	46.0--54.0	8.0	
4	58.0--62.0	4.0	
5	66.0--70.0	4.0	
6	72.0--76.0	4.0	
7	82.0--92.0	10.0	
8	106.0--110.0	4.0	
9	113.0--120.0	7.0	

Note. All zones are intermixed with fine bands of kankar. Sl. Nos. 4,5 & 6 are highly kankar intermixed.

Verified as per
logs provided
G. Gh
09/01/23

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad