

Name Of GP: **Rasahara**

BLOCK: **Semriyawan**

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY		DPR DETAILS	
0	clay ^{XXX}	6.07m	GL	51 Lowering Date -	30.12.2022
	M-SAND	6.42m	XXX	1 Tubewell Discharge in LPM	
20	500 Kankar	6.43m		2 Drilling Depth	132 Dia- 600-404, 500 dia- 92m
	F.K. SAND	6.22m		3 Tubewell Assembly Size -	
30		6.42m		Depth Logged-	Date of Logging - 27.12.2022
	HARD clay	6.08m	37.14m	SI	Thickness in Mtr.
36		0.20m	37.34m	1	20-30 16
	F.K. SAND	8.01m		2	36-46 10
46		6.08m		3	48-62 14
	HARD clay	6.06m	55.49m	4	82-92 10 All good
48				5	104-108 4
	F.K. SAND		61.50m	6	114-118 4
62		6.06m		7	122-136 4
	HARD clay	6.05m		8	
82		6.06m		9	
	F.K. SAND	3.00m	82.67m	Note:-	
92			9.00	ASSEMBLY DETAILS	
	HARD clay	6.08m	91.67m	300 mm Dia Housing Pipe A.G.L. 0.50m	
104		4.00m		300 mm Dia Housing Pipe B.G.L. 37.14m	
	H.K. SAND	3.00m	104.75m	300x150 mm Dia Reducer 37.14m to 37.34m	
108			3.00	150 mm Dia plain Pipe 37.34 to 55.49m	
	HARD clay	4.00m	107.75m	150 mm Dia slotted Pipe 55.49 to 61.50m	
114		3.00m		150 mm Dia plain Pipe 61.50 to 82.67m	
	H.K. SAND		114.75m	150 mm Dia slotted Pipe 82.67 to 91.67m	
118			3.00	150 mm Dia plain Pipe 91.67 to 104.75m	
	HARD clay		117.75m	180 mm Dia slotted Pipe 104.75 to 107.75m	
132		6.00m		150 mm Dia plain Pipe 107.75 to 114.75m	
136				150 mm Dia slotted Pipe 114.75 to 117.75m	
138	soil		123.75m	180 mm Dia plain Pipe 117.75 to 123.75m	
Total Depth-		AGL+0.50M		Total assembly- 123.75 mtr. + A.G.L. = 124.25 m	
TOTAL Assembly -		124.25m		3- Proposed Assembly for lowering	
MEIL (QC)		TPI (FICHTNER)		(1) 300MM DIA MSERW HOUSING PIPE = 37.64m ✓	
				(2) 200MM DIA MSERW HOUSING PIPE =	
				(3) 150MM DIA MSERW PLAIN PIPE = 65.4m ✓	
				(4) 150MM MSERW SLOTTED PIPE = 21.01m ✓	
				(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- 124.25 m	
				CLIENT(SWSM/UPJN)	



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001
Mob. 9918202546 / 9889323322, E mail- aquaxplorelko@gmail.com

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

Ref. 1227 - R / AX - 2022

Date 27.12.2022

Geophysical Borehole Logging Report

Name of the site : Rasahara, Block – Semariyawan

District : Sant Kabir Nagar

Date : 27.12.2022

Depth logged : ~~138.0~~ 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	20.0--30.0	10.0	Good all
2	36.0--46.0	10.0	
3	48.0--62.0	14.0	
4	82.0--92.0	10.0	
5	104.0--108.0	4.0	
6	114.0--118.0	4.0	
7	132.0--136.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl. Nos. 5 & 7 are highly kankar intermixed.

Verified as per
logs provided
G.Sh
28/12/22

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad