

Name Of GP: **Kolhua Garha**

BLOCK: **Nath Nagar**

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L		PROPOSED LOWERED ASSEMBLY		DPR DETAILS			
			0.50m GL	SL Lowering Date -	05.12.2022		
				1 Tubewell Discharge in LPM	650 LPM		
				2 Drilling Depth	143 m Di Dia- 600-40m Dia-500-103m		
				3 Tubewell Assembly Size -	300X150 mm		
				Depth Logged-	Date of Logging - 27.11.2022		
				SI	Depth Range MbgI		
					Thickness in Mtr.		
					Remarks.		
33	Clay	6.46 m	37.20m	1	33 - 40	7	
		6.10 m		2	45 - 55	10	
	Sand + FK	6.08 m		3	60 - 65	5	
40		6.43 m		4	70 - 80	10	all good
	Soil	6.03 m		5	89 - 93	4	
45			36.70m	6	111 - 121	10	
	Sand + FK			7	135 - 145	10	
		0.20	36.90m	8			
55	Soil	6.01		9			
		6.03		Note:- All zones are intermixed with fine bands of kankas.			
60	Sand + FK	6.02	33.50m	ASSEMBLY DETAILS			
		3.39		300 mm Dia Housing Pipe A.G.L 0.50			
65	H. Clay	6.03		300 mm Dia Housing Pipe B.G.L 36.70m			
		6.02	70.40m	300X150 mm Dia Reducer 36.70m to 36.90m			
70	C. Sand + FK	6.08		150 mm Dia Plain Pipe 36.90 to 70.40m			
		3.85	89.40m	150 mm Dia Slotted Pipe 70.40 to 79.47m			
80	Soil	6.08		150 mm Dia Plain Pipe 79.47 to 89.40m			
		3.00m	79.47m	150 mm Dia Slotted Pipe 89.40 to 92.40m			
89	M. Sand + FK	6.08		150 mm Dia Plain Pipe 92.40 to 111.26m			
		3.00m	92.40m	150 mm Dia Slotted Pipe 111.26 to 120.52m			
93	Clay	6.04		150 mm Dia Plain Pipe 120.52 to 126.34m			
		6.04		mm Dia Pipe to			
111	C. Sand + FK	6.03		mm Dia Pipe to			
		0.70	111.26m	mm Dia Pipe to			
121	Soil	6.06		mm Dia Pipe to			
		3.00	120.52m	mm Dia Pipe to			
135	Sand + FK	6.00		mm Dia Pipe to			
			126.34m	mm Dia Pipe to			
143			126.34m	Total assembly- 126.34 Mtr. + A.G.L = 126.84			
			AGL+0.50M	3- Proposed Assembly for lowering			
			+ 0.50m	(1) 300MM DIA MSERW HOUSING PIPE = 37.20m ✓			
			126.84m	(2) 200MM DIA MSERW HOUSING PIPE =			
				(3) 150MM DIA MSERW PLAIN PIPE = 68.31m ✓			
				(4) 150MM MSERW SLOTTED PIPE = 21.18m ✓			
				(5) 300/150 REDUCER = <del>21.18m</del> ✓			
				(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 =			
				(12) Gravel Packing =			
				Total assembly- 126.84m			
Total Depth-				TOTAL Assembly -			
				126.84m			
				MEIL (QC)			
				TPI (FICHTNER)			
				CLIENT(SWSM/UPJN)			



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref. 1127 - K / AX - 2022

Date 27.11.2022

## Geophysical Borehole Logging Report

Name of the site: Kolhu Garha, Block - Nath Nagar

District ; Sant Kabir Nagar

Date ; 27.11.2022

Depth logged ; 146.0 mbgl

Depth drilled ; 152.0 mbgl - as reported

Logger use ; UPTRON 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
<del>1</del>	33.0--40.0	7.0	Good all
<del>2</del>	45.0--55.0	10.0	
<del>3</del>	60.0--65.0	5.0	
<del>4</del>	70.0--80.0	10.0	
<del>5</del>	89.0--93.0	4.0	
<del>6</del>	111.0--121.0	10.0	
<del>7</del>	135.0--145.0	10.0	

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

Verified as per  
logs provided.  
Note - Sr No 2, 4 and  
7 are highly kankar  
intermixed

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

GSh  
28/11/22