

Name Of GP: Kotharia

BLOCK: Bethar Kalo

DIST. - Sant Kabir Nagar

DEPTH OF STRATA
M.B.G.L

PROPOSED LOWERED ASSEMBLY

DPR DETAILS

		6.08m	0.50 GL
	clay	6.08m	XXX
1	M.SAND KANKAR	6.08m	
	F.K.+ SAND	6.00m	36.28m
21	H. clay	6.02m	
		6.02m	35.78m
20	F.K.+ SAND	0.20m	35.98m
34	HARD clay	6.09m	
		6.09m	18.77m
43	F.K.+ SAND	6.09m	54.25m
50	HARD clay	6.08	
		6.00	66.33m
34	F.K.+ SAND	4.98m	71.31m
66	clay	3.00	74.31m
71	F.K.+ SAND	6.09m	80.40m
75	HARD clay	3.00	83.40m
80	F.K.+ SAND	4.00m	87.40m
84	clay	6.00	93.40m
87	F.K.+ FINE SAND	6.02m	
94	H.K.+ SAND	6.06m	21.18m
111	H.K.+ SAND	6.06m	114.50m
118	H. clay	3.00	117.50m
128	H.K.+SAND	6.04m	128.54m
132	clay	5.00m	131.54m
150	soil	6.07m	137.61

SL Lowering Date -	15.12.2022		
1 Tubewell Discharge in LPM	1000 LPM		
2 Drilling Depth	154m Di Dia- 600-40m, Dia-500-114m		
3 Tubewell Assembly Size -	300X150mm		
Depth Logged-	Date of Logging - 11.12.2022		
SI	Depth Range Mbgf	Thickness in Mtr.	Remarks.
1	15-21	6	
2	24-34	10	
3	43-50	7	
4	54-68	14	
5	71-75	4	ALL good
6	80-84	4	
7	87-94	7	
8	114-118	4	
9	128-132	4	
	150-154	4	

Note:- All, zone intermixed kankar to 10m H. clay

ASSEMBLY DETAILS			
300 mm Dia Housing Pipe A.G.L	0.55m		
300 mm Dia Housing Pipe B.G.L	35.78m		
300X150 mm Dia Reducer	35.78	to	35.98m
150 mm Dia plain Pipe	35.98	to	54.25m
150 mm Dia slotted Pipe	54.25	to	66.33m
150 mm Dia plain Pipe	66.33	to	71.31m
150 mm Dia slotted Pipe	71.31	to	74.31m
150 mm Dia plain Pipe	74.31	to	80.40m
150 mm Dia slotted Pipe	80.40	to	83.40m
150 mm Dia plain Pipe	83.40	to	87.40m
150 mm Dia slotted Pipe	87.40	to	93.40m
150 mm Dia plain Pipe	93.40	to	117.50m
150 mm Dia slotted Pipe	117.50	to	128.54m
150 mm Dia plain Pipe	128.54	to	131.54m
150 mm Dia slotted Pipe	131.54	to	137.61m
mm Dia	Pipe	to	
mm Dia	Pipe	to	
mm Dia	Pipe	to	

Total assembly- 137.61 Mtr. + A.G.L = 138.11m

3- Proposed Assembly for lowering	
(1) 300MM DIA MSERW HOUSING PIPE =	36.28m
(2) 200MM DIA MSERW HOUSING PIPE =	
(3) 150MM DIA MSERW PLAIN PIPE =	71.55m
(4) 150MM MSERW SLOTTED PIPE =	30.08m
(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- 138.11m

Total Depth-

AGL+0.50M

70.50

TOTAL Assembly -

138.11m

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. 1211 - K / AX - 2022 Date 11.12.2022

Geophysical Borehole Logging Report

Name of the site : Kolharia, Block - Belhar Kala

District : Sant Kabir Nagar

Date : 11.12.2022

Depth logged : 154.0 mbgl

Depth drilled : 165.0 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	15.0-21.0	6.0	Good all
2	24.0-34.0	10.0	
3	43.0-50.0	7.0	
4	54.0-58.0	14.0	
5	71.0-75.0	4.0	
6	80.0-84.0	4.0	
7	87.0-94.0	7.0	
8	114.0-118.0	4.0	
9	128.0-132.0	4.0	
10	150.0-154.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl. Nos. 7 to 10 are highly kankar intermixed.

Verified as per logs provided
Note - Sr No 4
for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

54-58 (4m) and
12-68 (6m)

G. Sh
12/12/22