

Name Of GP: Harpur

BLOCK: Mehdawal

DIST. - Sant Kabir Nagar

DEPTH OF STRATA M.B.G.L	PROPOSED LOWERED ASSEMBLY	DPR DETAILS
0	Soil 6.00	SL Lowering Date - 09/04/2022
25	Sand + FK 6.00	1 Tubewell Discharge in LPM 1250 LPM
30	Clay 6.00	2 Drilling Depth 158 m Di Dia 650mmφ-90m Di Dia 550mmφ-118m
40	Sand + FK 6.01	3 Tubewell Assembly Size - 300 X 200 mm φ
50	Clay 0.20	Depth Logged- Date of Logging-
56	M. Sand + FK 5.99	SI Depth Range Mbgl Thickness in Mtr. Remarks.
66	H. Clay 2.79	1 25-30 5
70	M. Sand + FK 3.00	2 40-50 10
80	Clay 4.82	3 56-66 10 All good
92	F. Sand + FK 3.08	4 70-80 10
96	H. Clay 6.01	5 92-96 4
120	M. Sand + FK 6.00	6 120-124 4
124	Clay 5.99	7 128-135 7
128	M. Sand + FK 3.00	8 152-155 3
135	H. Clay 5.00	9
152	Sand + FK 6.17	Note:- All zones are intermixed with fine bands of kankar
155	H. Clay 4.00	ASSEMBLY DETAILS
158		300 mm Dia Housing Pipe A.G.L 0.50 m

SI	Depth Range Mbgl	Thickness in Mtr.	Remarks.
1	25-30	5	
2	40-50	10	
3	56-66	10	All good
4	70-80	10	
5	92-96	4	
6	120-124	4	
7	128-135	7	
8	152-155	3	
9			

Total assembly- 138.67m Mtr. + A.G.L = 139.17m
3- Proposed Assembly for lowering
(1) 300MM DIA MISERW HOUSING PIPE = 36.02m
(2) 200MM DIA MISERW HOUSING PIPE =
(3) 450MM DIA MISERW PLAIN PIPE = 75.46m
(4) 450MM MISERW SLOTTED PIPE = 27.49m
(5) 300/450 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 =
(12) Gravel Packing =
Total assembly- 139.17m

Total Depth-
[Signature]
MEIL (QC)

AGL+0.50M +0.50
TOTAL Assembly - 139.17m
[Signature]
TPI (FICHTNER)

[Signature]
CLIENT(SWSM/UPJN)



Aqua Xplore

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

Ref. 407 - H / AX - 2023

Date 07.04.2023

Geophysical Borehole Logging Report

Name of the site : Harpur, Block - Mehdawal
District : Sant Kabir Nagar
Date : 07.04.2023
Depth logged : 158.0 mbgl
Depth drilled : 160.0 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	25.0-30.0	5.0	Good all
2	40.0-50.0	10.0	
3	56.0-66.0	10.0	
4	70.0-80.0	10.0	
5	92.0-96.0	4.0	
6	120.0-124.0	4.0	
7	128.0-135.0	7.0	
8	152.0-155.0	3.0	

Note. All zones are intermixed with fine bands of kankar. Sl. No. 5 is fine sand.

Verified as per
logs provided

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

C.Sh
08/04/23