

Name Of GP: Muhammad garh BLOCK: Semariyawan DIST. - Sant Kabir Nagar

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

0	Soil	6.05	0.50 m GL
24	Sand + FK	6.05	
28	Clay	5.98	
36	Sand + FK	6.01	
40	H. Clay	5.97	
43	M. Sand + FK	6.07	35.63 m
59	Clay	0.20	35.83 m
64	Sand + VFS	6.01	
68	H. Clay	6.03	
72	M. Sand + FK	2.00	49.87 m
76	H. Clay	9.01	58.88 m
90	M. Sand + FK	6.02	
94	Clay	4.00	
98	M. Sand + FK	3.50	72.40 m
102	Clay	3.00	75.40 m
115	M. Sand + VFS	6.00	
119	H. Clay	6.07	
193	Sand + FK	3.00	90.47 m
150	Clay	5.00	93.47 m
152	M. Sand + FK	3.00	98.47 m
155	Clay	3.00	101.47 m
	Sand + FK	6.02	
	Clay	2.00	
	Sand + FK	6.07	115.56 m
	Clay	3.00	118.56 m
	Sand + FK	6.01	124.57 m

SL	Lowering Date -	04/12/2022	
1	Tubewell Discharge in LPM	650 LPM	
2	Drilling Depth	155 m Di Dia- 650 mm + 40 m Di Dia- 500 mm + 115 m	
3	Tubewell Assembly Size	300 X 150 mm	
Depth Logged -		Date of Logging -	
SI	Depth Range Mbgf	Thickness in Mtr.	Remarks.
1	24 - 28	4	
2	36 - 40	4	
3	43 - 59	16	all good
4	64 - 68	4	
5	72 - 76	4	
6	90 - 94	4	
7	98 - 102	4	
8	115 - 119	4	
9	143 - 150	7	
10	152 - 155	3	

Note: All Zones are intermixed with fine bands of Kankar

ASSEMBLY DETAILS			
300 mm Dia Housing Pipe A.G.L		0.50 m	
300 mm Dia Housing Pipe B.G.L		35.63 m	
300X150 mm Dia Reducer		35.63 m to 35.83 m	
150 mm Dia	Plain	Pipe	35.83 to 49.87 m
150 mm Dia	Slotted	Pipe	49.87 to 58.88
150 mm Dia	Plain	Pipe	58.88 to 72.40
150 mm Dia	Slotted	Pipe	72.40 to 75.40
150 mm Dia	Plain	Pipe	75.40 to 90.47
150 mm Dia	Slotted	Pipe	90.47 to 93.47
150 mm Dia	Plain	Pipe	93.47 to 98.47
150 mm Dia	Slotted	Pipe	98.47 to 101.47
150 mm Dia	Plain	Pipe	101.47 to 115.56
150 mm Dia	Slotted	Pipe	115.56 to 118.56
150 mm Dia	Plain	Pipe	118.56 to 124.57
mm Dia		Pipe	to
mm Dia		Pipe	to
mm Dia		Pipe	to
mm Dia		Pipe	to
mm Dia		Pipe	to

Total assembly	124.57 mtr. + A.G.L = 125.07 m
3- Proposed Assembly for lowering	
(1) 300MM DIA MSERW HOUSING PIPE	= 36.13 m
(2) 200MM DIA MSERW HOUSING PIPE	=
(3) 150MM DIA MSERW PLAIN PIPE	= 67.73 m
(4) 150MM MSERW SLOTTED PIPE	= 21.01 m
(5) 300/150 REDUCER	= 0.20 m
(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 Depth- AGL+0.50M +0.50 TOTAL Assembly - 125.07m

Total assembly- 125.07 m

MEIL (QC)

TPI (FICHTNER)

CLIENT (SWSM/UPJN)



Aqua Xplore

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

Ref. 1130 - M / AX - 2022

Date 30.11.2022

Geophysical Borehole Logging Report

Name of the site : Mohammad Garh, Block – Semariyawan

District : Sant Kabir Nagar

Date : 30.11.2022

Depth logged : ~~155.0~~ mbgl

Depth drilled : 155.0 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—28.0	4.0	Good all
2	36.0—40.0	4.0	
3	43.0—59.0	16.0	
4	64.0—68.0	4.0	
5	72.0—76.0	4.0	
6	90.0—94.0	4.0	
7	98.0—102.0	4.0	
8	115.0—119.0	4.0	
9	143.0—150.0	7.0	
10	152.0—155.0	3.0	

Note. All zones are intermixed with fine bands of kankar. Sl. Nos. 4 & 8 are very fine sand.

Verified as per
logs provided

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

GSh
01/12/22