

Name Of GP: **Durgjot TW-1** BLOCK: **Mehdawal** DIST. - Sant Kabir Nagar

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

0	Soil	6.01	0.50m GL
23	Sand + FK	6.06	
28	clay	6.00	
41	Sand + FK	6.02	
48	clay	6.00	35.59m
52	M. Sand + FK	0.20	35.79m
62	H. Clay	6.02	
70	M. Sand + FK	6.00	
77	clay	6.02	55.5m
80	Sand + FK	1.67	61.52m
84	H. Clay	6.02	
116	F. Sand + FK	6.02	70.5m
120	clay	2.96	76.52m
124	M. Sand + FK	6.03	
134	H. Clay	6.02	
176	H. Clay	6.00	124.64m
		6.00	130.67m
		6.02	136.70m

SL	Lowering Date -	10-04-2023	
1	Tubewell Discharge in LPM	550 LPM	
2	Drilling Depth	176m Di Dia-550mm + 40m Di Dia-500mm-136m	
3	Tubewell Assembly Size	200 X 150 mm φ	
Depth Logged-		Date of Logging -	
SI	Depth Range MbgI	Thickness in Mtr.	Remarks.
1	23 - 28	5	All good
2	41 - 48	7	
3	52 - 62	10	
4	70 - 77	7	
5	80 - 84	4	
6	116 - 120	4	
7	124 - 134	10	

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

ASSEMBLY DETAILS

200 mm Dia Housing Pipe A.G.L	0.50m
200 mm Dia Housing Pipe B.G.L	35.59m
200X150 mm Dia Reducer	35.59m to 35.79m
150 mm Dia Plain Pipe	35.79m to 55.5m
150 mm Dia Slotted Pipe	55.5m to 61.52m
150 mm Dia Plain Pipe	61.52m to 70.5m
150 mm Dia Slotted Pipe	70.5m to 76.52m
150 mm Dia Plain Pipe	76.52m to 124.64m
150 mm Dia Slotted Pipe	124.64m to 130.67m
150 mm Dia Plain Pipe	130.67m to 136.70m
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to
mm Dia	Pipe to

Total assembly- 136.70 Mtr. + A.G.L = 137.20 m

3- Proposed Assembly for lowering

(1) 300MM DIA MSERW HOUSING PIPE	=
(2) 200MM DIA MSERW HOUSING PIPE	= 36.09m ✓
(3) 150MM DIA MSERW PLAIN PIPE	= 82.84m ✓
(4) 150MM MSERW SLOTTED PIPE	= 18.07m ✓
(5) 300/150 REDUCER	=
(6) 200/150 REDUCER	= 0.20m
(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 Depth- AGL+0.50M + 0.50m TOTAL Assembly - 137.20m

MEIL (QC) Nihil TPI (FICHTNER) CLIENT(SWSM/UPJN)



Aqua Xplore

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

Ref. 404 - D / AX - 2023

Date 04.04.2023

Geophysical Borehole Logging Report

Name of the site : Durgjot, Block – Jogia Khas

District : Sant Kabir Nagar

Date : 04.04.2023

Depth logged : ~~170.0 mbgl~~

Depth drilled : 176.0 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	23.0—28.0	5.0	Good all
2	41.0—48.0	7.0	
3	52.0—62.0	10.0	
4	70.0—77.0	7.0	
5	80.0—84.0	4.0	
6	116.0—120.0	4.0	
7	124.0—134.0	10.0	

Note. All zones are intermixed with fine bands of kankar. Sl.No.6 is fine sand.

Verified as per
logs provided.
G. S. Ch
06/04/23


for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

Clayey
sediments.