

M/S Afcons Infrastructure Limited, Mumbai

Regd. Office- AFCONS House, 16, Shah Industrial Estate, Veera Desai Road, Azadnagar, Andheri (W), Mumbai 400013
Under Jal Jeevan Mission, District- Jaunpur (U.P.)

Actual TW Assembly of Mahuwari TW, Block-Jalalpur, Dist. Jaunpur

PHYSICAL STRATA

S.No.	BGL in meter		Formation
	From	to	
1	0	15	Surface Soil
2	15	42	Fine sand
3	42	112	Clay
4	112	300	Medium Sand To Coarse Sand

Logging Report

31.07.2023

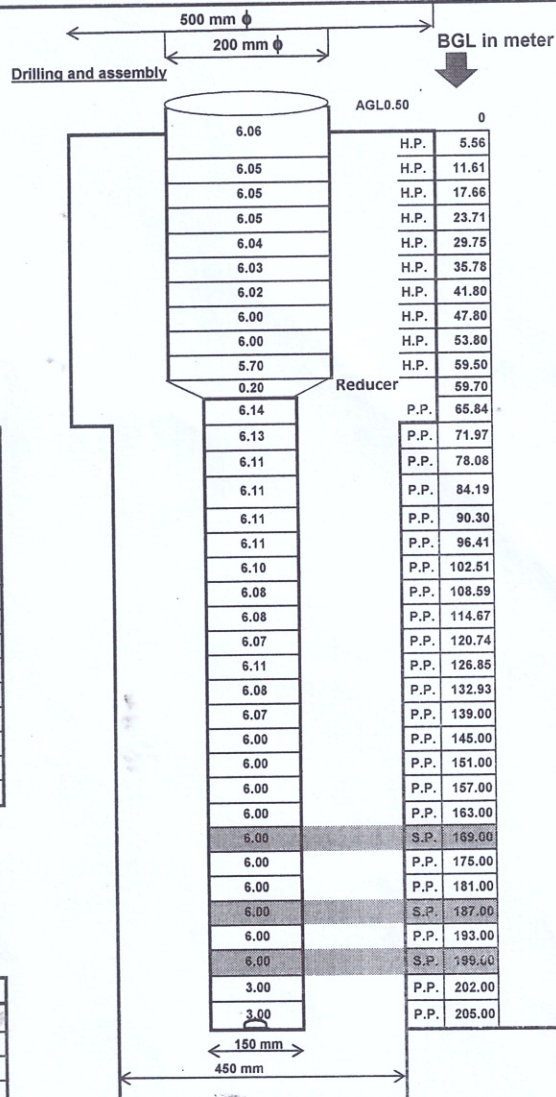
S.N.	Depth (Mbg)		Thickness (m)	Quality (In terms of Salinity)	Remark
	From	to			
1	20	23	03	Good	
2	33	41	08	Good	
3	113	128	15	Good	
4	149	159	10	Good	
5	162	170	08	Good	
6	180	187	07	Good	
7	190	202	12	Good	
8	211	218	07	Good	
9	222	230	08	Good	
10	238	255	17	Good	
11	260	270	10	Good	

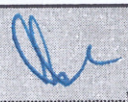
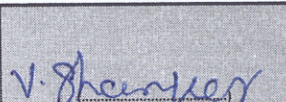
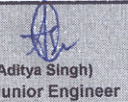
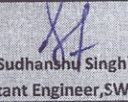
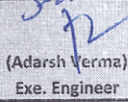
Note:

1. Mud Resistivity 12.61 Ohms.
2. Drilling Water Resistivity 13.70 Ohms.
3. Approx water level 8 Mtr.

DETAILS

1	Date of lowering	04.08.2023
2	Depth of bore 500mm ϕ	66.00 Meter
3	Depth of bore 450mm ϕ	234.00 Meter
4	Housing pipe 200 mm ϕ	60.00 Meter
5	Plane pipe 150 mm ϕ	127.30 Meter
6	Slotted pipe 150 mm ϕ	18.00 Meter
7	200x150 mm ϕ Reducer	0.20 Meter
	Total tubewell assembly	205.50 Meter



 Company Repre. M/S Afcons Infrastructure Ltd Jaunpur (U.P.)	 TPIA Medhaj Techno Concept Pvt. Ltd., Jaunpur	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer, SWSM	 (Adarsh Verma) Exe. Engineer

Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- A- 1244

Date:- 31-07-2023

NAME OF SITE

GRAM PANCHAYAT- Mahuwari

BLOCK- Jalalpur

DISTT- Jaunpur

NAME OF AGENCY

Afcons Infrastructure Pvt. Ltd.
Jaunpur



GROUND WATER SURVEY CONSULTANCY

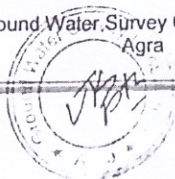
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MAHUWARI, BLOCK- JALALPUR, DISTT- JAUNPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 300 mtrs. depth. and Logged depth 300 mtrs. at above site. Was drilled by M/S Afcons Infrastructure Pvt. Ltd. Jaunpur

On the request of M/S Afcons Infrastructure Pvt. Ltd. Jaunpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 31.July.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 12.61 Ohms.

Drilling Water Resistivity = 13.70 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	20 - 23	3	Fine to Medium sand	Good
2.	33 - 41	8	Medium sand	Good
3.	113 - 128	15	Fine to Medium sand	Good
4.	149 - 159	10	Medium sand	Good
5.	162 - 170	8	Medium sand	Good
6.	180 - 187	7	Medium sand	Good
7.	190 - 202	12	Medium sand & kankar	Good
8.	211 - 218	7	Fine to Medium sand	Good
9.	222 - 230	8	Medium sand	Good
10.	238 - 255	17	Medium sand	Good
11.	260 - 270	10	Medium sand	Good

Geophysicist

