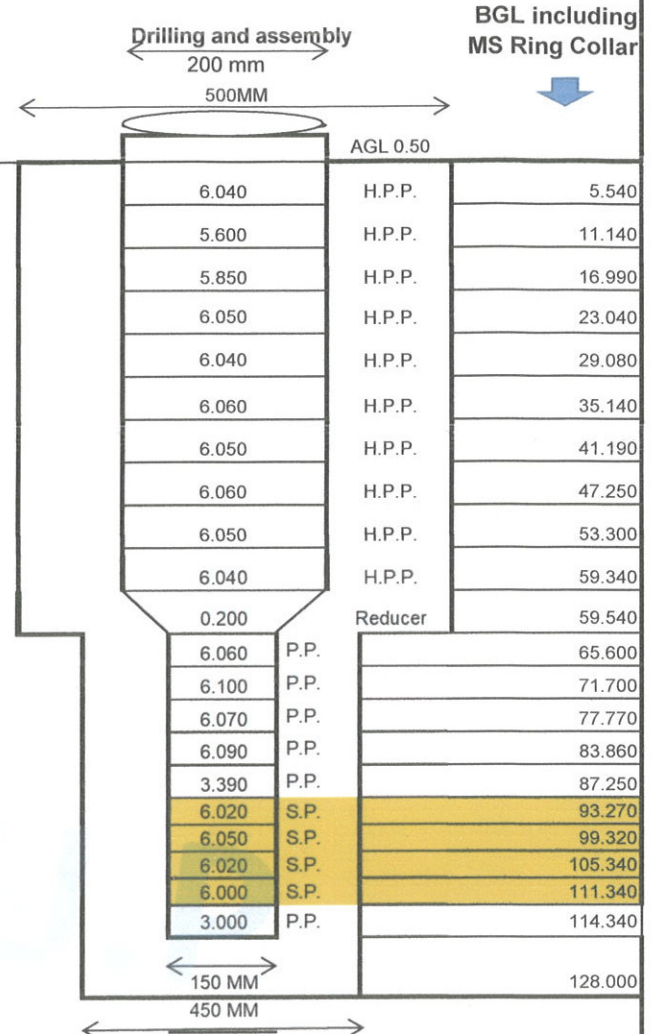


M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Actual Strata Chart of BARACHAWAR REORGANISATION WSS, BLOCK -MARDHA, ZONE 5, GRAM PANCHAYAT - MOHAMADPUR T.KHARA TW-3 Under Jal Jeevan Mission, District- Ghazipur(U.P.)

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	8	Clay
2	8	46	Kankard Clay
3	46	74	Fine sand with kankad
4	74	86	Kankard Clay
5	86	116	Very fine sand with kankad
6	116	130	Kankard Clay
7	130	150	Fine sand with kankad
8	150	166	Clay
9	166	178	Kankard with fine sand
10	178	226	Kankard Clay
11	226	254	Kankard with fine sand
12	254	270	Kankard with fine sand
13	270	358	Kankard Clay



Logging Report

Date-17-02-2024

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	47	50	3	Moderate
2	70	73	3	Moderate
3	87	114	27	Good
4	130	140	10	Moderate
5	144	148	4	Moderate

Note-

- Please ensure pre-monsoon water level before lower the well assembly
- Clay kankar is present in depth range 141-144, 149-165, 171-207, 218-260 and 271 Mtr bgl to till depth logged.
- Quality of ground water is deteriorating marginal to saline below 166-270 Mtr bgl.
- Predominated clay is present in depth range 52-69, 74-86, 115-129 Mtr bgl.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	430.000	LPM		
2	Cear Depth of bore 600mm	0	Mbgl		Mbgl
3	Cear Depth of bore 500mm	65	Mbgl	65.000	Mbgl
4	Clear Depth of bore 450mm	360	Mbgl	358.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	59.840	m
7	Plane pipe 150MM	258	m	30.710	m
8	Reducer 200 X 150 MM	0		0.200	m
9	Slotted pipe 300MM	0	m	0.000	m
10	Slotted pipe 200MM	0	m	0.000	m
11	Slotted pipe 150MM	12	m	24.090	m
12	Date of lowering			26-02-2024	

 (.....) Company Repre.	 (.....) TPIA	 (A.Srivastava) Junior Engineer	 (Nitish Kumar) Assistant Engineer	 (Adarsh Verma) Exe. Engineer
M/S VSAIPPL-SMC JV, Ghazipur (U.P)	Medhaj Techno Concept Pvt. Ltd., Ghazipur	Division Office(E/M) ,U.P.Jal Nigam(Rural), Varanasi		

Latitude - 25.716046
Longitude - 83.765769

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHAMMADPUR T KHARA TW – 3 ZONE 5,
BLOCK- BHARACHWAR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 358 mtrs. at above site. Was drilled by M/S L&T. Ghazipur.

On the request of M/S L&T. Ghazipur.. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.Feb.2024.

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 = 09.83 Ohms.

Drilling Water Resistivity = 10.98 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	47 - 50	3	Fine sand	Moderate
2.	70 - 73	3	Fine sand	Moderate
3.	87 - 114	27	Medium sand & kankar	Good
4.	130 - 140	10	Fine to medium sand	Moderate
5.	144 - 148	4	Fine sand	Moderate

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Clay kankar is present in depth range 141-144, 149-165, 171-207, 218-260 and 271 Mtr bgl to till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in below 166- 270 Mtr bgl.
 4. Predominated clay is present in depth range 2-69, 74-86, 115-129 Mtr bgl.

