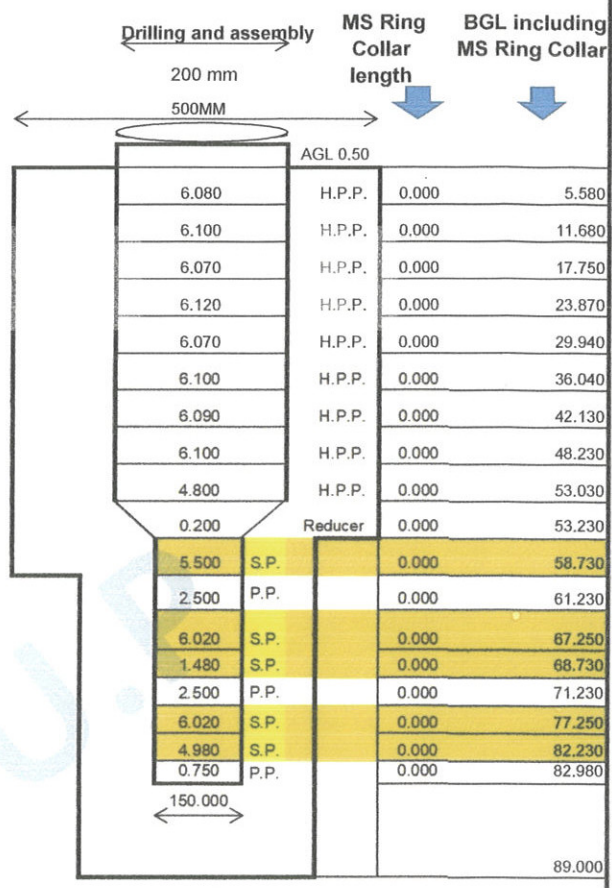


M/S VSAIPPL-SMC JV, Ghazipur (U.P.)
Actual Strata Chart of KASIMABAD REORGANISATION WATER SUPPLY SCHEME, BLOCK-KASIMABAD ZONE-5, GRAM PANCAHYAT- UCHAURI TW 3
Under Jal Jeevan Mission, District- Ghazipur(U.P.)

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	8	CLAY
2	8	24	KANKAD CLAY
3	24	36	KANKAD WITH FINE SAND
4	36	39	CLAY
5	39	46	VERY FINE SAND WITH KANKAD
6	46	52	CLAY
7	52	84	KANKAD WITH VERY FINE SAND
8	84	88	CLAY
9	88	102	KANKAD WITH FINE SAND
10	102	113	KANKAD CLAY
11	113	128	FINE SAND WITH KANKAD
12	128	166	KANKAD CLAY
13	166	174	KANKAD WITH FINE SAND
14	174	200	KANKAD CLAY

Logging Report				
31.12.2023				
S.N.	Depth Range	micron		Remark
1	25	35	10	Moderate to Good
2	39	45	6	Good
3	53	59	6	Good
4	61	69	8	Good
5	71	83	12	Good
6	89	101	12	Moderate

Note-
 1. Fine bands of kankar are intermixed with almost all the zones.
 2. Quality of ground water is deteriorating marginal to saline at depth range 115 m bgl to till depth logged.
 3. Predominant clay is present at depth range 107 to 113 m bgl.
 4. Please ensure pre-monsoon water level before lower the well assembly.



DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	550.000	LPM		
2	Clear Depth of bore 600mm	0	Mbgl		
3	Clear Depth of bore 500mm	65	Mbgl	60.00	Mbgl
4	Clear Depth of bore 450mm	200	Mbgl	178.00	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	53.53	m
7	Plane pipe 150MM	96	m	5.750	m
8	Reducer 200 X 150 MM			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	24	m	24.00	m
12	Date of lowering			07.01.2024	

 (.....) Company Repre. M/S VSAIPPL-SMC	 (.....) TPIA Medhaj Techno Concept Pvt. Ltd., Ghazipur	 (A.Srivastava) Junior Engineer Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi	 (Nitish Kumar) Assistant Engineer Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi	 (Adarsh Verma) Exe. Engineer Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi
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GEOTECH ENTERPRISE 9.1

A Ground Water Exploration Technic's & Consultancy Service

Mob. No.: - +91 8511223845 / 8200396696 / 9106686592 E-mail: geoservices2018@gmail.com

Ref./ UP-182/ 12 – 2023

Dated: 31-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Fatehpur
Block : Kashimabad
District : Ghazipur
State : Uttar Pradesh
Date of Logging : 31-12-2023
Drilling Depth : 200.0 m bgl
Logging Depth : 178.0 m bgl
Rm / Rw : 15.0 Ω .m / 14.0 Ω .m
Representative : M/s Naviya Infratech
Borehole Drilled by : VSAIPPL-SMC-JV, Ghazipur, U.P.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N – 16")**, **Long Normal (N – 64")** and **Lateral 6'** Geophysical Logs, following information/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
01	25 – 35	10	Moderate to Good
02	39 – 45	06	Good
03	53 – 59	06	Good
04	61 – 69	08	Good
05	71 – 83	12	Good
06	89 – 101	12	Moderate

Note:

- 1) Fine bands of Kankar are intermixed with almost all zones
- 2) Quality of groundwater is deteriorating to Marginal – Saline at depth range 115.0 m bgl till depth logged
- 3) Predominant clay is present at depth range 107.0 to 113.0 m bgl
- 4) Please ensure pre – monsoon water level before lowering the well assembly



Avinash Goswami

Geologist

For Geotech Enterprise