

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

ACTUAL STRATA CHART OF BHARSAR REORGANISATION WSS, BLOCK -BIRNO, ZONE 1, GRAM PANCHAYAT - BHARSAR TW2
Under Jal Jeevan Mission, District- Ghazipur(U.P.)

PHYSICAL STRATA			Formation	Drilling and assembly 200 mm 500MM	MS Ring Collar length	BGL including MS Ring Collar
S.No.	BGL in meter					
	From	to				
1	0	8	clay			
2	8	22	Kankad			
3	22	70	Kankad Clay			
4	70	96	Kankad with very fine sand			
5	96	128	kankad clay			
6	128	180	Kankad Clay			
7	180	186	kankad			
8	186	216	Kankad Clay			
9	216	242	Fine sand with kankad			
10	242	256	Kankad Clay			
11	256	270	Kankad			
12	270	292	Kankad with very fine sand			
13	292	358	Kankad Clay			

Depth (m)	Material	MS Ring Collar length	BGL including MS Ring Collar
6.100	H.P.P.	0.000	5.600
6.100	H.P.P.	0.000	11.700
6.090	H.P.P.	0.000	17.790
6.080	H.P.P.	0.000	23.870
6.080	H.P.P.	0.000	29.950
6.090	H.P.P.	0.000	36.040
6.090	H.P.P.	0.000	42.130
6.090	H.P.P.	0.000	48.220
6.180	H.P.P.	0.000	54.400
6.080	H.P.P.	0.000	60.480
0.200	Reducer	0.000	60.680
6.090	P.P.	0.000	66.770
5.480	P.P.	0.000	72.250
6.000	S.P.	0.000	78.250
1.500	S.P.	0.000	79.750
5.500	P.P.	0.000	85.250
6.030	S.P.	0.000	91.280
3.470	S.P.	0.000	94.750
3.000	P.P.	0.000	97.750

Logging Report

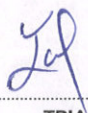
04-11-2023

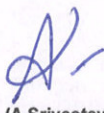
S.N.	Depth Range		Thickn ess	Quality/Remark
	From	to		
1	10	20	10	Good
2	72	80	8	Good
3	85	95	10	Good
4	128	133	5	Good to Moderate

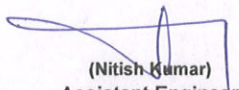
Note-
 1. Chiefly the stratum is composed of primarily clay, sand and kankad.
 2. Large section of water bearing zone (sand) are there.
 3. Water quality is sand zone is good in zone 72m-80m, 85m-95m and good to moderate at 128m-133m.
 4. Predominant Clay zone presence is there at 20m-70m, 95-120m, 135m-180m.
 5. All the clay and sand zone present are intermixed with kankads.

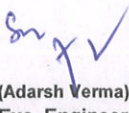
DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	350.000	LPM		
2	Cear Depth of bore 600mm	0	Mbgl	0.000	Mbgl
3	Cear Depth of bore 500mm	65	Mbgl	65.000	Mbgl
4	Clear Depth of bore 450mm	295	Mbgl	358.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	60.980	m
7	Plane pipe 150MM	258	m	20.070	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	17.000	m
12	Date of lowering			10.11.2023	


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


 TPIA
 Medhaj Techno Concept Pvt. Ltd., Ghazipur

 (A.Srivastava)
 Junior Engineer

 (Nitish Kumar)
 Assistant Engineer

 (Adarsh Verma)
 Exe. Engineer

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



Earth Care Products & Services

G/1, Sriniketan Apartment, 65 Sukanta Park, P.O. Prafulla Kanan, Kolkata - 700101
Mob: 9339638868, 62900236454 email : ecpskol@gmail.com
Services Offered: Groundwater and Geophysical Consultancy

*Q = 350
250
200 x 150
500 x 450*

Ref No. Elog/Bharsar TW 2/1104/23-24

Date 04.11.2023

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig

SITE : Bharsar Tubewell 2

LOCATION : Block : Virno , Dist : Ghazipur , State : Uttar Pradesh

LATITUDE : 25.72510° North
LONGITUDE : 83.54801° East

Logger Make and Model : IGIS, DMPL2

Borehole Drilled by (Agency) : VSAIPPL-SMC-JV

Work Under (Department) : Uttar Pradesh Jal Nigam , Gramin

FINDINGS & RESULTS.

DEPTH DRILLED : 360.00 mtrs (As Reported by Drilling Agency)

DEPTH ELECTROLOGGED : 358.00 mtrs

RW : 15.42 Ω M **RM** : 12.42 Ω M

AQUIFER ZONE (As per Electrologging Findings) (Based on the Electrog findings , granular Sand Zones and aquifer zones are interpreted)

SI No	Depth (M BGL)	Thickness	Lithology /Stratum interpreted	Remarks/ Quality of Aquifer
1	10-20 m	10 m	Fine Sand	Good
2	72- 80 m	8 m	Fine Sand <i>-7.50</i>	Good t
3	85-95 m	10 m	Fine Sand <i>-9.50</i>	Good
4	128-133 m	5 m	Fine Sand	Good o Moderate

(Parameters measured : SP , SN (16") , LN (64") , Lat(32") with Continuous mode Electrologging)

REMARKSAND SUGGESTION:

- Chiefly the stratum is composed of primarily Clay , Sand and Kankad
- Large sections of water bearing zones (Sand) are there
- Water quality in sand zones is good in zones 72 m-80m, 85 m -95 m and good to moderate at 128 m-133 m
- Predominant Clay zones presence is there at 20 m-70 m, 95 m-120 m, 135 m -180m
- All the clay and Sand zones present are intermixed with kankads

BP = 3 m

Cement seal = 110m

(Signature)
04/11/2023
(Sandeep Gupta)
M.Sc (G.I.) PGD (GEM)
M.Phil (Hydrogeology)
Hydrogeologist & Ground Water Consultant

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