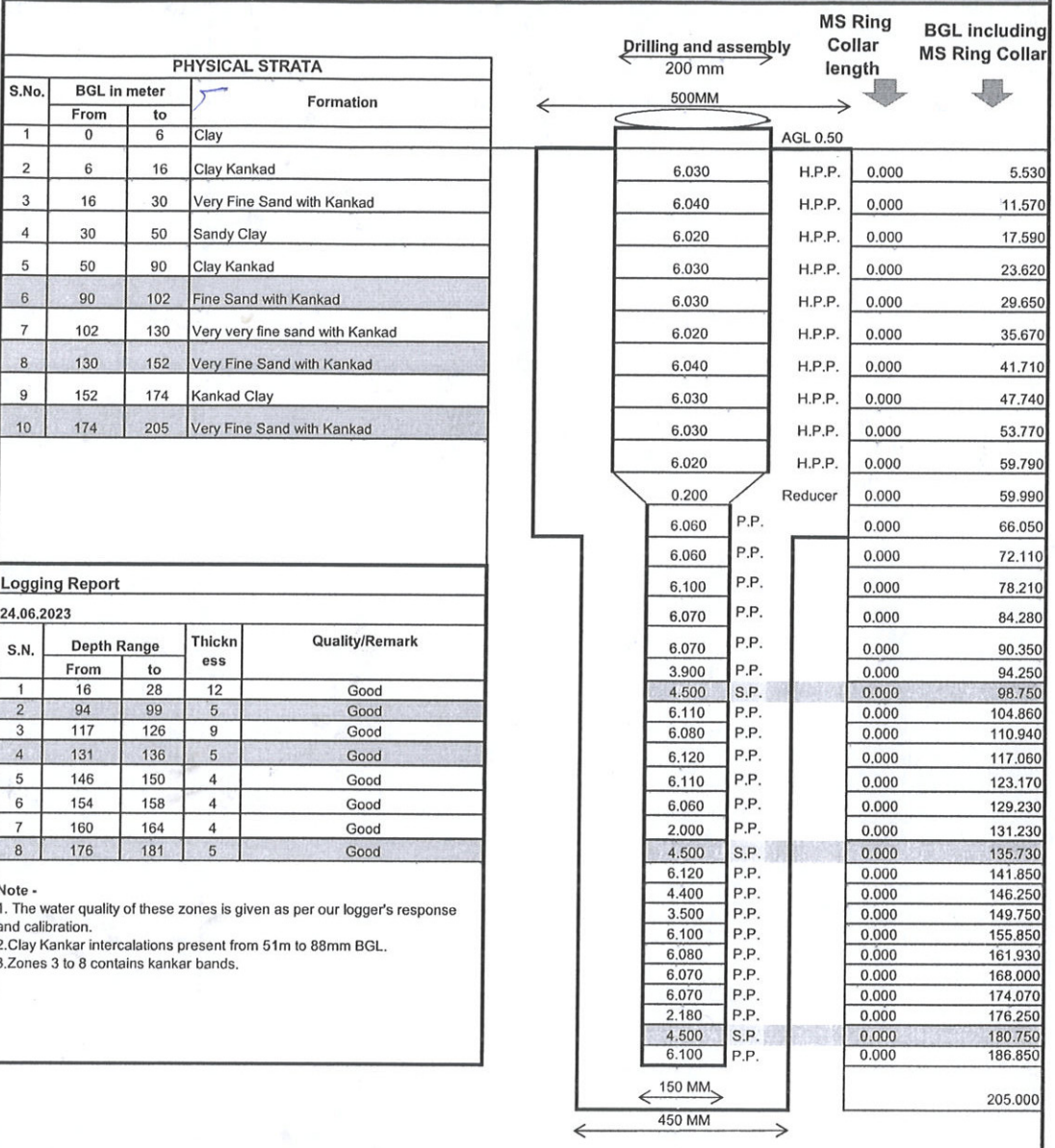


**M/S VSAIPPL-SMC JV, Ghazipur (U.P)**  
**Actual Strata Chart of BARACHAWAR REORGANISATION WSS, BLOCK -BARACHAWAR, ZONE 1, GRAM PANCHAYAT - BARACHAWAR T.W-1**  
 Under Jal Jeevan Mission, District- Ghazipur(U.P.)



**Logging Report**  
24.06.2023

S.N.	Depth Range		Thickn ess	Quality/Remark
	From	to		
1	16	28	12	Good
2	94	99	5	Good
3	117	126	9	Good
4	131	136	5	Good
5	146	150	4	Good
6	154	158	4	Good
7	160	164	4	Good
8	176	181	5	Good

**Note -**  
 1. The water quality of these zones is given as per our logger's response and calibration.  
 2. Clay Kankar intercalations present from 51m to 88mm BGL.  
 3. Zones 3 to 8 contains kankar bands.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	547.000		LPM	
2	Clear Depth of bore 600mm	0	Mbgl	0.000	Mbgl
3	Clear Depth of bore 500mm	65	Mbgl	65.000	Mbgl
4	Clear Depth of bore 450mm	360	Mbgl	205.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	60.290	m
7	Plane pipe 150MM	252	m	113.360	m
8	Reducer 200x150 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	18	m	13.500	m
12	Date of lowering	06.07.2023			



*Jal*  
 (.....)  
**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

# Geophysical Well Logging Report

**SOILTECH**  
(INDIA) PRIVATE LIMITED  
GROUND ENGINEERS & CONSULTANTS

Company: VSA  
 GP: BARACHAWAR  
 Block: BARACHAWAR  
 District: GHAZIPIUR  
 State: Uttar Pradesh

Report Date: 26th June 2023  
 Logging Date: 24th June 2023  
 Drilled Depth: 220 m  
 Logged Depth: 194 m

Reference No: SIPUELOG/2023/121

Log Measured From: Ground Level / Plate  
 East / Long: 83.81703 North / Lat: 25.722333 Mud-Rm (Cm) 13.2 Water Rw (Cm) 14.4

**REPORT**

Based on the interpretation of Geophysical Logging Record Parameter of Self Potential (SP), Long Normal (N-64), Short Normal (N-15), Natural Gamma and single point Resistance (SPR) log data, the given borehole formation Granular zone deciphered with respect of salinity and Resistivity.

Sr. No.	Depth Range (BGL)		Thickness (M)	Quality of aquifer water	Remarks
	From (m)	To (m)			
1	16	28	12	Good	
2	94	99	5	Good	
3	117	126	12	good	
4	131	136	5	Good	
5	146	150	4	Good	
6	154	158	4	Good	
7	160	164	4	Good	
8	176	181	5	Good	

Notes:  
 1. The water quality for these zones is given as per our logger's response and calibration  
 2. Clay/Kankar intercalations present from 5 m to 88m BGL  
 3. Zones 3 to 8 contain kankar bands

*Verified as per logs provided*

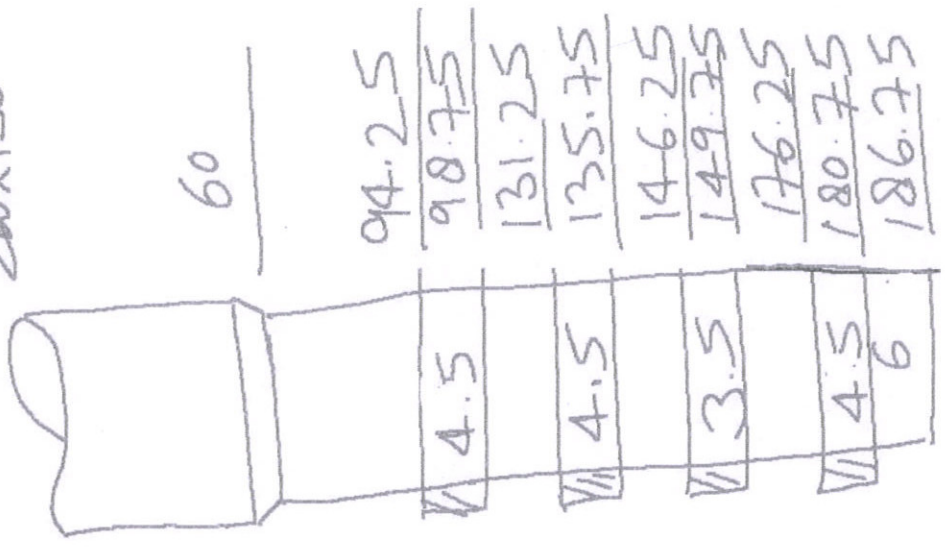
*19.06.23  
27/06/23*

for Soiltech (India) Pvt. Ltd

*[Signature]*

*K = 0.50 LTR/M  
60 + 252 + 18  
200 X 150*

*Actual  
200 X 150*





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

Regd. Office-#10,APIIC Building, Type-III, I.E, Prashanth Nagar Kukatpally, Hyderabad-500072

Under Jal Jivan Mission, District- Ghazipur(U.P.)

Yield Test Report Of T.W at Barachawar GP (Zone-1,TW-1) Tubewell under Barachawar Reorganisation  
WSS, Block-Birno by 1 Cusec O.P. Unit

Size of Ventury 4" X 3" Column Pipe Lowered(m): 30.00


Static water level(m): 9.10 Required Discharge(LPM)- 547 LPM Date: 22-02-2024

S.N.	Discharge		Running Water Level (m)	Depression (m)	Sand content in P.P.M.				
	Inch	LPM			At start	After 5 min	After 10 min	After 15 min	After 20 min
1	48.00	1098	16.20	7.10	650	300	200	150	100
2	32.00	905	14.60	5.50	350	200	150	100	50
3	12.00	553	13.50	4.40	100	50	Tr	Tr	Cl

Remark- Recommended discharge 547 LPM L.P.M. at 4.4 m depression after running 20 minute bypass.

  
(.....)  
Company Repr.

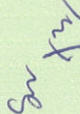
M/S VSAIPPL-SMC  
JV, Ghazipur (U.P.)

  
(.....)  
TIPIA  
Medhaj Techno Concept Pvt.  
Ltd., Ghazipur

(Abhishek Srivastava)  
Junior Engineer

  
(Nitish Kumar)  
Assistant Engineer

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

  
(Adarsh Verma)  
Executive Engineer

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




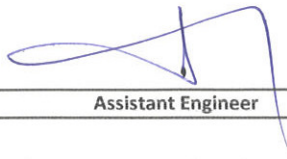
Block:	BARACHAWAR	Op unit Capacity	As per DPR: As per Site:	1 cusec 1 cusec	
Scheme	BARACHAWAR REORGANISATION WSS	Op unit Hours	As per DPR:	100	
GP	BARACHAWAR Z-1,T.W-1		As per Site:	98.51 Hrs	
Discharge	547 LPM ✓	Compressor Testing Date :		06-02-2024	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	11-02-2024	08:24:00	09:53:00	1:29	
2		10:24:00	11:52:00	1:28	
3		12:21:00	13:39:00	1:18	
4		14:45:00	16:16:00	1:31	
5		17:02:00	18:43:00	1:41	
6		19:40:00	21:31:00	1:51	
7		22:10:00	23:30:00	1:20	
8	12-02-2024	00:11:00	01:45:00	1:34	
9		08:00:00	09:54:00	1:54	
10		10:13:00	11:36:00	1:23	
11		12:27:00	13:42:00	1:15	
12		14:46:00	16:13:00	1:27	
13		17:11:00	18:48:00	1:37	
14		19:40:00	21:30:00	1:50	
15	13-02-2024	22:00:00	23:47:00	1:47	
16		00:11:00	01:46:00	1:35	
17		08:27:00	09:55:00	1:28	
18		10:24:00	11:54:00	1:30	
19		12:20:00	13:55:00	1:35	
20		15:46:00	17:16:00	1:30	
21		18:04:00	19:23:00	1:19	
22	19:40:00	21:30:00	1:50		
23	14-02-2024	08:25:00	09:54:00	1:29	
24		10:24:00	11:54:00	1:30	
25		12:20:00	13:40:00	1:20	
26		14:46:00	16:16:00	1:30	
27		17:02:00	18:45:00	1:43	
28		19:40:00	21:30:00	1:50	
29		22:10:00	23:30:00	1:20	
30	15-02-2024	00:10:00	01:45:00	1:35	
31		08:45:00	09:40:00	0:55	
32		10:44:00	11:50:00	1:06	
33		12:50:00	13:20:00	0:30	
34		15:56:00	17:18:00	1:22	
35		18:06:00	19:10:00	1:04	
36		19:40:00	20:32:00	0:52	
37	16-02-2024	08:55:00	09:50:00	0:55	
38		10:34:00	11:53:00	1:19	
39		12:50:00	13:20:00	0:30	
40		15:53:00	17:18:00	1:25	
41		18:02:00	19:16:00	1:14	
42		19:40:00	20:30:00	0:50	




Latitude - 25.722234 Longitude - 83.811743



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

<b>Block:</b>	BARACHAWAR		<b>Op unit Capacity</b>	<b>As per DPR:</b>	1 cusec
				<b>As per Site:</b>	1 cusec
<b>Scheme</b>	BARACHAWAR REORGANISATION WSS		<b>Op unit Hours</b>	<b>As per DPR:</b>	100
<b>GP</b>	BARACHAWAR Z-1,T.W-1			<b>As per Site:</b>	98.51 Hrs
<b>Discharge</b>	547 LPM		<b>Compressor Testing Date :</b>		<b>06-02-2024</b>
<b>SI No</b>	<b>Date</b>	<b>Start Time</b>	<b>End Time</b>	<b>Total Hours</b>	<b>Remarks</b>
43	17-02-2024	08:15:00	09:40:00	1:25	
44		10:44:00	11:50:00	1:06	
45		12:50:00	13:20:00	0:30	
46		15:56:00	17:18:00	1:22	
47		18:02:00	19:10:00	1:08	
48		19:40:00	20:34:00	0:54	
49	18-02-2024	08:55:00	10:16:00	1:21	
50		10:44:00	11:55:00	1:11	
51		12:40:00	13:50:00	1:10	
52		15:56:00	17:26:00	1:30	
53		18:12:00	19:20:00	1:08	
54		19:40:00	21:10:00	1:30	
55	19-02-2024	08:45:00	10:10:00	1:25	
56		10:44:00	11:50:00	1:06	
57		12:50:00	14:20:00	1:30	
58		15:46:00	17:16:00	1:30	
59		18:02:00	19:15:00	1:13	
60		19:50:00	21:10:00	1:20	
61	20-02-2024	08:35:00	10:05:00	1:30	
62		10:46:00	11:55:00	1:09	
63		12:42:00	14:11:00	1:29	
64		15:44:00	17:16:00	1:32	
65		18:12:00	19:21:00	1:09	
66		19:41:00	21:00:00	1:19	
67	21-02-2024	08:35:00	10:05:00	1:30	
68		10:44:00	11:57:00	1:13	
69		12:42:00	14:12:00	1:30	
70		15:47:00	17:16:00	1:29	
71	22-02-2024	18:12:00	19:21:00	1:09	
72		08:37:00	10:05:00	1:28	
73		10:44:00	11:58:00	1:14	
			<b>Total</b>	<b>98:31</b>	
			<b>Total (Hrs)</b>	<b>98.51 Hrs</b>	
					
Site Incharge		TPIA	Junior Engineer	Assistant Engineer	
M/S VSAIPPL-SMC JV,Ghazipur (U.P)		M/s Medhaj Techno Concept Pvt. Ltd.,Ghazipur	Construction Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi		

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

Regd. Office-#10, APIIC Building, Type-III, I.E, Prashanth Nagar Kukatpally, Hyderabad-500072

Under Jal Jivan Mission, District- Ghazipur(U.P.)

Test Report of Barachawar GP (Zone-1, TW-1) Tubewell under Barachawar Reorganisation WSS, Block-Barachawar Development By 400 PSI Air Compressor

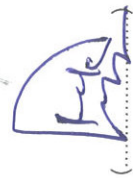
Size of tube well (mm): 200 X 150 RPM

Static water level (m): 10.10 Discharge by-90 'V' notch (Rectangular)

Depth of T/W (m): 186.850 Required Discharge- 547 LPM Date of testing 06-02-2024

S. N.	Pressure in kg/cm2		Depression		Depth of air line at the time of testing (m)	Discharge by 'V' Notch		Sand content in P.P.M.				
	Starting Pressure	Running Pressure	In kg/cm2	In mtr.		Inch	LPM	At start	After 5 min	After 10 min	After 15 min	After 20 min
1	16.50	15.80	0.70	7.00	177.00	7 1/4	1205	6400	3500	3300	3100	3000
2	12.00	11.40	0.60	6.00	132.00	7	1104	5400	3000	2800	2600	2500
3	8.30	7.80	0.50	5.00	95.00	6 1/2	917	4400	2500	2300	2100	2000

Remark- Recommended for further development by O.P. Unit

  
(.....)  
Company Repr.

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

  
(.....)  
TPIA

Medhaj Techno Concept Pvt.  
Ltd., Ghazipur

  
(Abhishek Srivastava)

Junior Engineer

  
(Nitish Kumar)

Assistant Engineer





  
(Adarsh Verma)

Executive Engineer

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



Latitude - 25.722234 Longitude - 83.811743

M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Job Code:		Compressor unit	As per DPR:	600 PSI	
Block:	Barachawar	capacity	As per Site:	400 PSI	
Scheme	Barachawar Reorganisation WSS	Compressor unit	As per DPR:	60	
GP	Barachawar Z-1, TW-1	Hours	As per Site:	57.36 Hrs	
Lowering Depth(mtr):	186.850	Cumm Gravel(cumt	As per DPR:	79.33	
Lowering Date :	6-Jul-23		As per Site:	73.67	
Discharge	547 LPM	Cumm Gravel(cumt	As per Site:	73.67	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	29-Jan-24	08:29:00	09:50:00	1:21	
2		10:10:00	11:25:00	1:15	
3		12:00:00	13:21:00	1:21	
4		14:00:00	15:30:00	1:30	
5		16:05:00	17:20:00	1:15	
6	30-Jan-24	08:35:00	09:54:00	1:19	
7		10:02:00	11:15:00	1:13	
8		13:02:00	14:30:00	1:28	
9		16:28:00	17:50:00	1:22	
10		18:00:00	19:30:00	1:30	
11	31-Jan-24	09:00:00	10:21:00	1:21	
12		11:00:00	12:28:00	1:28	
13		14:00:00	15:35:00	1:35	
14		16:00:00	17:23:00	1:23	
15		18:29:00	19:37:00	1:08	
16	1-Feb-24	10:00:00	11:13:00	1:13	
17		12:00:00	12:52:00	0:52	
18		13:30:00	14:30:00	1:00	
19		15:01:00	16:26:00	1:25	
20		17:03:00	18:30:00	1:27	
21	2-Feb-23	08:03:00	09:14:00	1:11	
22		10:10:00	11:20:00	1:10	
23		13:30:00	14:10:00	0:40	
24		15:20:00	16:26:00	1:06	
25		17:30:00	19:00:00	1:30	
26	3-Feb-24	08:03:00	09:14:00	1:11	
27		10:10:00	11:30:00	1:20	
28		13:33:00	14:30:00	0:57	
29		15:22:00	16:46:00	1:24	
30		17:34:00	18:31:00	0:57	
31	4-Feb-24	09:05:00	10:10:00	1:05	
32		11:00:00	12:06:00	1:06	
33		14:00:00	15:00:00	1:00	
34		16:00:00	17:10:00	1:10	
35		18:29:00	19:34:00	1:05	
36	5-Feb-24	09:00:00	10:10:00	1:10	
37		11:00:00	12:33:00	1:33	
38		14:00:00	15:30:00	1:30	
39		16:00:00	17:30:00	1:30	
40		18:29:00	19:54:00	1:25	
41	6-Feb-24	08:00:00	09:24:00	1:24	
42		10:10:00	11:34:00	1:24	
43		13:30:00	14:50:00	1:20	
44		15:20:00	16:46:00	1:26	
45		17:30:00	18:52:00	1:22	
			<b>Total</b>	<b>57:22</b>	
			<b>Total (Hrs)</b>	<b>57.36 Hrs</b>	
					
Site Incharge		TPIA	Junior Engineer	Assistant Engineer	
M/S VSAIPPL-SMC JV, Ghazipur (U.P)		M/s Medhaj Techno Concept Pvt. Ltd., Ghazipur	Construction Division Office(E/M) ,U.P.Jal Nigam(Rural), Varanasi		