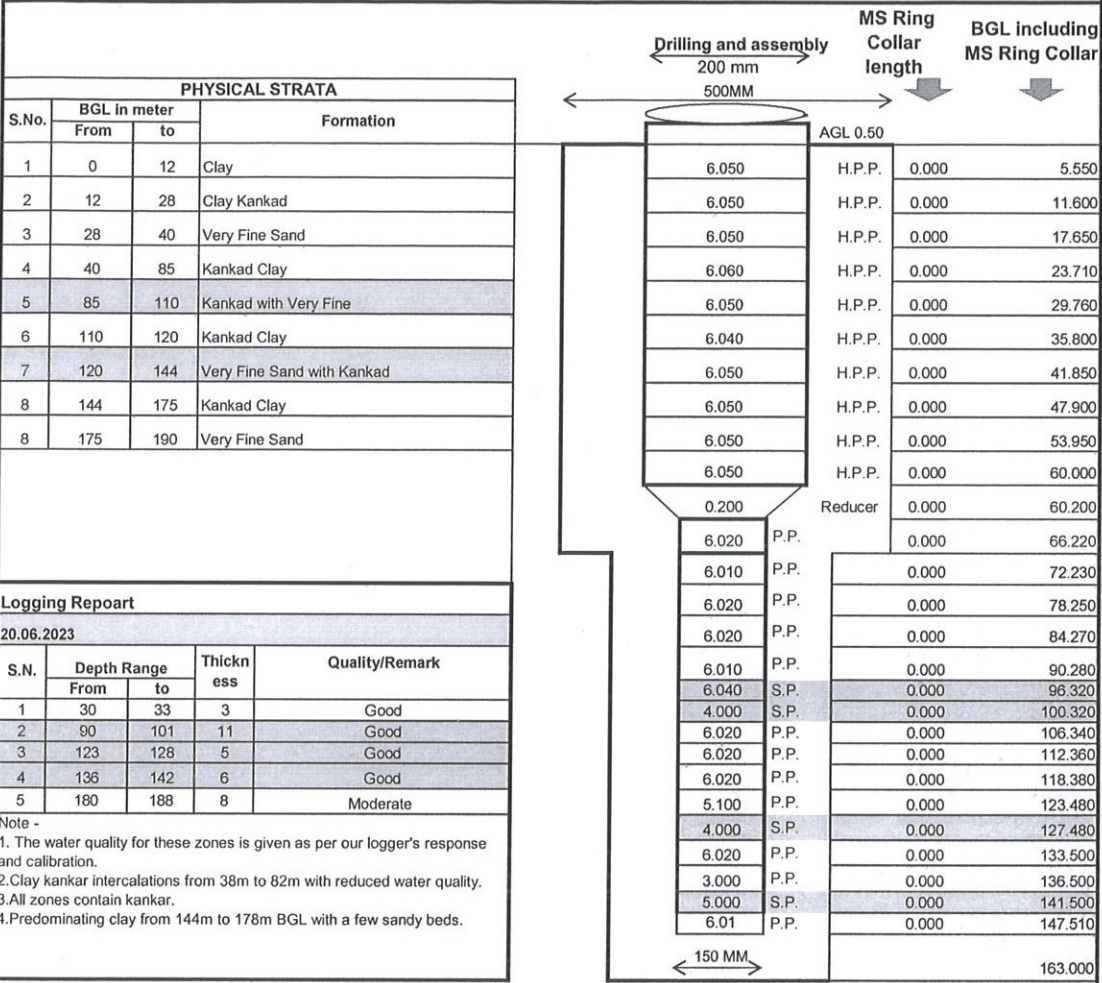


M/S VSAIPPL-SMC JV, Ghazipur (U.P)
Actual Strata Chart of BARACHAWAR REGRANISATION WSS, BLOCK -VARACHAWAR, ZONE 6, GRAM
PANCHAYAT - LAKHNAULI
Under Jal Jeevan Mission, District- Ghazipur(U.P.)



Logging Report
20.06.2023

S.N.	Depth Range	Thickn ess	Quality/Remark
	From	to	
1	30	33	3 Good
2	90	101	11 Good
3	123	128	5 Good
4	136	142	6 Good
5	180	188	8 Moderate

Note -
 1. The water quality for these zones is given as per our logger's response and calibration.
 2. Clay kankar intercalations from 38m to 82m with reduced water quality.
 3. All zones contain kankar.
 4. Predominating clay from 144m to 178m BGL with a few sandy beds.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	530.000	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	190.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	60.500	m
7	Plane pipe 150MM	252	m	68.270	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	19.040	m
12	Date of lowering			26.06.2023	



(.....)
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

(Adarsh Verma)
 Exe. Engineer

GEOPHYSICAL BOREHOLE LOGGING REPORT

SOILTECH
(INDIA) PRIVATE LIMITED
GROUND ENGINEERS & CONSULTANTS

Ref: SIPL/Elog/2023/ 109

Date 21-06-2023

SITE GP-Lakhnauli
Block Barachawal
District Ghazipur
State Uttar Pradesh
Date of Logging 20th June 2023
Logging Depth 109 m 190 mbgl as per log.
Drilling Depth 200 m (As reported by driller)
Latitude 25.7107717
Longitude 83.7963583
Rm: 13.8 ~~Ohm-m~~ Rw: 12 ~~Ohm-m~~

Borehole Drilled by VSAIPPL SMC JV

Based on the interpretation of Geophysical Logging Record Parameter of Self Potential (SP), Long Normal (N-64"), Short Normal (N-16"), 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 (Below Ground Level)		Thickness (Meters)	Quality of aquifer Water	Remarks
	Depth From	Depth to			
1	30	33	3	Good	
2	90	101	11	Good	
3	123	128	5	Good	
4	136	142	6	Good	
5	180	188	8	Moderate	Fine sands

Notes

- 1 The water quality for these zones is given as per our logger's response and calibration
- 2 Clay Kankar Intercalations from 38m to 82m with reduced water quality
- 3 All zones contain kankar
- 4 Predominating clay from 144m to 178m BGL with a few sandy beds

Verified as per
logs provided.

1
G.Sh
22/06/23

For Soiltech India Pvt. Ltd.

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 Lakhnauli GP (Zone-6) Tubewell under Barachawar WSS, Block-Barachawar Development By 250 PSI Air Compressor

Size of tube well (mm): 200 X 150 RPM 1400

Static water level (m): 8.90 Discharge by-90 'V' notch (Rectangular)

S. N.	Depth of T/W (m): 147.510		Required Discharge- 530 LPM		Date of testing 11-07-2023			
	Depression		Depth of air line at the time of testing (m)		Discharge by 'V' Notch		Sand content in P.P.M.	
	Starting Pressure kg/cm2	In mtr.	Inch	LPM	At start	After 5 min	After 10 min	After 15 min
1	11.90	7.00	7 1/4	1205	6500	3600	3400	3100
2	10.70	6.00	6 3/4	1008	5600	3100	2900	2600
3	7.50	5.00	6 1/4	831	5000	2800	2600	2200

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


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


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


 (Abhishék Srivastava)
 Junior Engineer

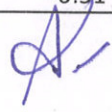

 (Nitish Kumar)
 Assistant Engineer


 (Adarsh Verma)
 Executive Engineer

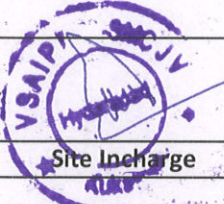

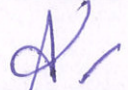

Division Office (E&M), U.P. Jal Nigam(Rural), Varanasi

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

Job Code:		Compressor unit Capacity	As per DPR:	600 PSI	
Block:	BARACHAWAR		As per Site:	250 PSI	
Scheme	BARACHAWAR REORGANISATION WSS	Compressor unit Hours	As per DPR:	60.00	
GP	LAKHNAULI Z-6		As per Site:	58.83 Hrs	
Lowering Depth(mtr):	147.510				
Lowering Date :	26.06.2023	Cumm Gravel(cumt)	As per DPR:	80.00	
		Cumm Gravel(cumt)	As per Site:	52.89	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	3-Jul-23	7:49 AM	8:55 AM	1:06	
2		11:00 AM	11:30 AM	0:30	
3		12:00 PM	12:21 PM	0:21	
4		2:00 PM	3:00 PM	1:00	
5		4:00 PM	5:00 PM	1:00	
6	4-Jul-23	7:29 AM	8:02 AM	0:33	
7		10:00 AM	11:30 AM	1:30	
8		12:00 PM	1:21 PM	1:21	
9		2:00 PM	3:30 PM	1:30	
10		4:00 PM	5:30 PM	1:30	
11	5-Jul-23	8:29 AM	9:54 AM	1:25	
12		10:00 AM	11:25 AM	1:25	
13		1:00 PM	2:30 PM	1:30	
14		4:20 PM	5:50 PM	1:30	
15		6:10 PM	7:30 PM	1:20	
16	6-Jul-23	9:00 AM	10:20 AM	1:20	
17		11:00 AM	12:16 PM	1:16	
18		2:00 PM	3:30 PM	1:30	
19		4:00 PM	5:20 PM	1:20	
20		6:29 PM	7:44 PM	1:15	
21	7-Jul-23	10:00 AM	11:20 AM	1:20	
22		12:00 PM	12:50 PM	0:50	
23		1:30 PM	2:50 PM	1:20	
24		3:00 PM	4:26 PM	1:26	
25		5:00 PM	6:30 PM	1:30	
26	8-Jul-23	8:00 AM	9:30 AM	1:30	
27		10:10 AM	11:30 AM	1:20	
28		1:30 PM	2:50 PM	1:20	
29		3:20 PM	4:46 PM	1:26	
30		5:30 PM	6:51 PM	1:21	
31	9-Jul-23	8:00 AM	9:24 AM	1:24	
32		10:10 AM	11:30 AM	1:20	
33		1:30 PM	2:50 PM	1:20	
34		3:20 PM	4:46 PM	1:26	
35		5:30 PM	6:51 PM	1:21	

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

Job Code:		Compressor unit	As per DPR:	600 PSI	
Block:	BARACHAWAR	Capacity	As per Site:	250 PSI	
Scheme	BARACHAWAR REORGANISATION WSS	Compressor unit Hours	As per DPR:	60.00	
GP	LAKHNAULI Z-6		As per Site:	58.83 Hrs	
Lowering Depth(mtr):	147.510				
Lowering Date :	26.06.2023	Cumm Gravel(cumt)	As per DPR:	80.00	
		Cumm Gravel(cumt)	As per Site:	52.89	
SI No	Date	Start Time	End Time	Total Hours	Remarks
36	10-Jul-23	9:00 AM	10:10 AM	1:10	
37		11:00 AM	12:16 PM	1:16	
38		2:00 PM	3:30 PM	1:30	
39		4:00 PM	5:30 PM	1:30	
40		6:29 PM	7:54 PM	1:25	
41	11-Jul-23	9:00 AM	10:35 AM	1:35	
42		11:00 AM	12:33 PM	1:33	
43		2:00 PM	3:30 PM	1:30	
44		4:00 PM	5:30 PM	1:30	
45		6:29 PM	7:54 PM	1:25	
		Total	58:50		
		Total (Hrs)	58.83 Hrs		
					
Site Incharge	TPIA	Junior Engineer	Assistant Engineer	Exe. 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, J.E, Prashanth Nagar Kukatpally, Hyderabad-500072

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


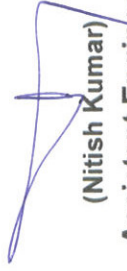


**Yield Test Report Of T.W at GOPALPUR GP (Zone-4, TW-1) Tubewell under Barachawar Village WSS,
Block-Barachawar by 1 Cusec O.P. Unit**


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

Static water level(m): 510.00 Required Discharge(LPM)- 510 LPM Date: 10-02-2024

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	45.00	1064	517.10	7.10	600	300	200	150	100
2	27.00	829	515.20	5.20	400	200	150	100	Tr
3	10.50	519	513.80	3.80	100	50	Tr	Tr	Cl

Remark- Recommended discharge 510 LPM L.P.M. at 3.8 m depression after running 20 minute bypass.





 (.....) Abhishek Srivastava Junior Engineer	 (Nitish Kumar) Assistant Engineer	 (Adarsh Verma) Executive Engineer	
 (.....) TPIA Medhaj Techno Concept Pvt. Ltd., Ghazipur	Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi		


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

M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Block	BARACHAWAR	Op unit Capacity		As per DPR:	1 cusec
				As per Site:	1 cusec
Scheme	BARACHAWAR REORGANISATION WSS	Op unit Hours		As per DPR:	100
				As per Site:	98.51 Hrs
GP	LAKHNAULI Z-6,				
REQUIRED DISCHARGE	530	Compressor Testing Date :			11-07-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	02-02-2024	08:20:00	09:53:00	1:33	
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		19:35:00	21:31:00	1:56	
7		22:10:00	23:30:00	1:20	
8	03-02-2024	00:11:00	01:45:00	1:34	
9		08:03:00	09:54:00	1:51	
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	22:00:00	23:47:00	1:47		
16	04-02-2024	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	05-02-2024	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	06-02-2024	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	07-02-2024	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	

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M/S VSAIPPL-SMC JV,Ghazipur (U.P)					
Block	BARACHAWAR		Op unit Capacity	As per DPR:	1 cusec
				As per Site:	1 cusec
Scheme	BARACHAWAR REORGANISATION WSS		Op unit Hours	As per DPR:	100
GP	LAKHNAULI Z-6,			As per Site:	98.51 Hrs
REQUIRED DISCHARGE	530		Compressor Testing Date :		11-07-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
43	08-02-2024	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	09-02-2024	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	10-02-2024	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	11-02-2024	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	12-02-2024	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		18:12:00	19:21:00	1:09	
72		13-02-2024	08:37:00	10:05:00	1:28
73	10:44:00		11:58:00	1:14	
			Total	98:37	
			Total (Hrs)	98.51 Hrs	
					
Site Incharge		TPIA	Junior Engineer	Assistant Engineer	Exe. 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		