

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

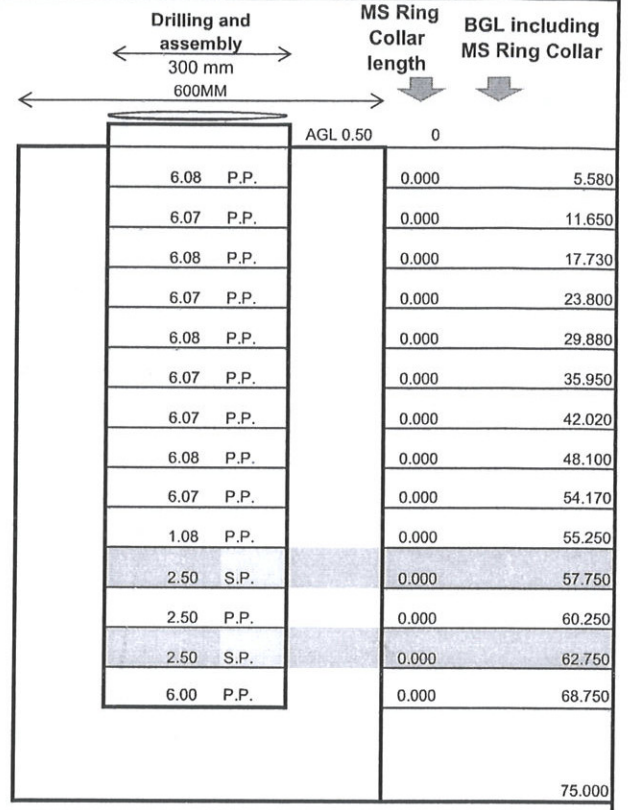
Actual Strata Chart of DHARMAGHATPUR REORGANISATION WSS, BLOCK -JAKHANIYA, ZONE 4, GRAM PANCHAYAT - JAMSERA T.W-1

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

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	6	Clay
2	6	22	Clay Kankad
3	22	28	Very Fine Sand with Kankad
4	28	54	Kankad Clay
5	54	65	Very Fine Sand with Kankad
6	65	78	Kankad Clay
7	78	88	Clay Kankad
8	88	120	Sandy Clay


Logging				
Date-28.06.2023				
S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	22	25	3	Good
2	55	58	3	Good
3	60	63	3	Good


Note -
 1. The water quality for these zones is given as per our logger's response and calibration
 2. Clay Kankar Intercalations Present from 40m to 47m and 80m to 96m BGL
 3. Ground Water Quality Deteriorated from 96 meters below ground level.





DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	375.00	LPM		
2	Clear Depth of bore 600mm	120.00	Mbgl	75.000	Mbgl
3	Clear Depth of bore 500mm	0.00	Mbgl	0.000	Mbgl
4	Clear Depth of bore 450mm	0.00	Mbgl	120.000	Mbgl
5	Plane pipe 300MM	104.00	m	64.250	m
6	Plane pipe 200MM	0.00	m	0.000	m
7	Plane pipe 150MM	0.00	m	0.000	m
8	Slotted pipe 300MM	6.00	m	5.000	m
9	Slotted pipe 200MM	0.00	m	0.000	m
10	Slotted pipe 150MM	0.00	m	0.000	m
11	Date of lowering			03.07.2023	


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


 (.....)
 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 Well Logging Report

SOILTECH
(INDIA) PRIVATE LIMITED
GROUND ENGINEERS & CONSULTANTS

Reference No: SIPL/ELOG/2023/126

Company: VSAIPPL-SMC JV	Report Date 28th June 2023
GP: JAMSERA	Logging Date 28th June 2023
Block: JAKHANIYA	Drilled Depth (m): 120 (As informed by Driller)
District: Ghazipur State: Uttar Pradesh	Logged Depth (m): 120
Log Measured From Ground Level / Plate	Resistivity
East / Long: 83.4465750 North / Lat: 25.7790750	Mud-Rm (Ωm) 15 Water Rw (Ωm) 19.8

REPORT

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(BGL)		Thickness (M)	Quality of aquifer water	Remarks
	From (m)	To(m)			
1	22	25	3	Good	
2	55	58	3	Good	
3	60	63	3	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 40m to 47m and 80m to 96m BGL
 3. Ground Water Quality Deteriorated from 96 meters below ground level.

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 Jamsera GP (Zone-4, T.W-1) Tubewell under Dharmagatpur WSS, Block-Jakhaniya Development By 250 PSI Air Compressor

Size of tube well (mm): 300 X 300 RPM 1350

Static water level (m): 5.80 Discharge by-90 'V' notch (Rectangular)

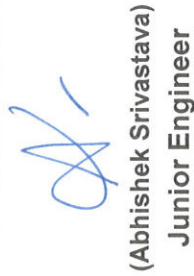
Depth of T/W (m): 68.750 Required Discharge- 375 LPM Date of testing 20-12-2023

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	5.30	4.40	0.90	9.00	61.00	6	751	6100	3400	3200	3000	2900
3	4.80	4.20	0.60	6.00	56.00	5	476	4900	2800	2600	2400	2200

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

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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 - 25.779133 Longitude - 83.446852

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

Job Code:	JAKHANIYA	Compressor unit Capacity	As per DPR:	400 PSI	
Block:	MARDAH	Compressor unit Hours	As per Site:	250 PSI	
Scheme	Dharmagatpur Reorganisation WSS	Compressor unit Hours	As per DPR:	60	
GP	Jamsera Z-4, TW-1	Compressor unit Hours	As per Site:	58.61 Hrs	
Lowering Depth(mtr):	68.750	Cumm Gravel(cumt)	As per DPR:	39.00	
Lowering Date :	3-Jul-23	Cumm Gravel(cumt)	As per Site:	37.68	
Discharge	375 LPM				
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	12-Dec-23	07:18:00	08:50:00	1:32	
2		10:15:00	11:25:00	1:10	
3		12:08:00	13:21:00	1:13	
4		14:07:00	15:30:00	1:23	
5		16:11:00	17:20:00	1:09	
6	13-Dec-23	08:29:00	09:50:00	1:21	
7		10:00:00	11:11:00	1:11	
8		13:00:00	14:32:00	1:32	
9		16:20:00	17:52:00	1:32	
10	14-Dec-23	18:00:00	00:03:00	6:03	
11		09:00:00	10:22:00	1:22	
12		11:00:00	12:22:00	1:22	
13		16:00:00	17:20:00	1:20	
14		18:23:00	19:34:00	1:11	
15	15-Dec-23	10:09:00	11:10:00	1:01	
16		12:03:00	12:50:00	0:47	
17		13:33:00	14:30:00	0:57	
18		15:05:00	16:26:00	1:21	
19	16-Dec-23	17:00:00	18:30:00	1:30	
20		08:00:00	09:14:00	1:14	
21		10:10:00	11:20:00	1:10	
22		13:30:00	14:10:00	0:40	
23		15:22:00	16:26:00	1:04	
24		17:32:00	19:00:00	1:28	
25	17-Dec-23	08:00:00	09:14:00	1:14	
26		10:10:00	11:33:00	1:23	
27		13:30:00	14:36:00	1:06	
28		15:20:00	16:48:00	1:28	
29	18-Dec-23	17:30:00	18:33:00	1:03	
30		09:03:00	10:10:00	1:07	
31		11:01:00	12:06:00	1:05	
32		14:05:00	15:00:00	0:55	
33		16:03:00	17:10:00	1:07	
34	19-Dec-23	18:29:00	19:34:00	1:05	
35		09:00:00	10:10:00	1:10	
36		11:00:00	12:33:00	1:33	
37		14:00:00	15:30:00	1:30	
38		16:00:00	17:30:00	1:30	
39	20-Dec-23	18:29:00	19:54:00	1:25	
40		10:12:00	11:34:00	1:22	
41		13:34:00	14:50:00	1:16	
42		15:20:00	16:46:00	1:26	
43		17:33:00	18:52:00	1:19	
			Total	58:37	
			Total (Hrs)	58.61 Hrs	
					
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.)

Yield Test Report Of T.W at Jamesara GP (Zone-4,TW-1) Tubewell under Dharamagatpur Reorganisation
WSS, Block-Jakhaniya by 1 Cusec O.P. Unit

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

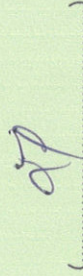
Static water level(m): 5.90 Required Discharge(LPM)- 375 LPM Date: 27-02-2024

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	22.50	753	15.10	9.20	700	350	200	150	100
2	9.00	484	12.20	6.30	350	200	150	100	50
3	5.00	379	10.40	4.50	100	50	Tr	Tr	Cl

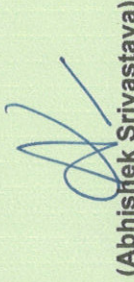
Remark- Recommended discharge 375 LPM L.P.M. at 4.5 m depression after running 20 minute bypass.


(.....)
Company Repre.

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


(.....)
TPIA

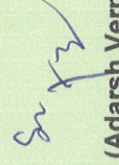
Medhaj Techno Concept Pvt.
Ltd., Ghazipur


(Abhishek Srivastava)
Junior Engineer

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


(Nitish Kumar)
Assistant Engineer

Executive Engineer


(Adarsh Verma)
Executive Engineer

Latitude - 25.779133 Longitude - 83.446852





M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Block:	BIRNO		Op unit Capacity	As per DPR:	1 cusec
Scheme	DHARAMAGATPUR REORGANISATION WSS			As per Site:	1 cusec
GP	JAMESARA Z-4, T.W-1		Op unit Hours	As per DPR:	120
Discharge	375 LPM		Compressor Testing Date :	As per Site:	118.9Hrs
					22-10-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	11-02-2024	08:35:00	10:05:00	1:30	
2		10:44:00	11:55:00	1:11	
3		12:42:00	14:12:00	1:30	
4		15:44:00	17:18:00	1:34	
5		18:12:00	19:20:00	1:08	
6		19:40:00	21:00:00	1:20	
7	12-02-2024	08:45:00	09:40:00	0:55	
8		10:45:00	11:51:00	1:06	
9		12:50:00	13:20:00	0:30	
10		15:57:00	17:17:00	1:20	
11		18:02:00	19:10:00	1:08	
12		19:41:00	20:32:00	0:51	
13	13-02-2024	08:25:00	09:55:00	1:30	
14		10:23:00	11:55:00	1:32	
15		12:21:00	13:20:00	0:59	
16		15:46:00	17:17:00	1:31	
17		18:02:00	19:21:00	1:19	
18		19:45:00	20:31:00	0:46	
19	14-02-2024	08:25:00	09:55:00	1:30	
20		10:23:00	11:55:00	1:32	
21		12:21:00	13:20:00	0:59	
22		15:46:00	17:17:00	1:31	
23		18:02:00	19:21:00	1:19	
24		19:45:00	20:31:00	0:46	
25	15-02-2024	08:45:00	09:40:00	0:55	
26		10:45:00	11:51:00	1:06	
27		12:50:00	13:20:00	0:30	
28		15:57:00	17:17:00	1:20	
29		18:02:00	19:10:00	1:08	
30		19:41:00	20:32:00	0:51	
31	16-02-2024	08:55:00	09:50:00	0:55	
32		10:34:00	11:53:00	1:19	
33		12:50:00	13:20:00	0:30	
34		15:56:00	17:18:00	1:22	
35		18:02:00	19:10:00	1:08	
36		19:40:00	20:30:00	0:50	
37	17-02-2024	08:15:00	09:40:00	1:25	
38		10:45:00	11:50:00	1:05	
39		12:50:00	13:20:00	0:30	
40		15:56:00	17:18:00	1:22	
41		18:02:00	19:11:00	1:09	
42		19:41:00	20:34:00	0:53	
43	18-02-2024	08:55:00	10:16:00	1:21	
44		10:44:00	11:55:00	1:11	
45		12:42:00	13:48:00	1:06	
46		15:56:00	17:26:00	1:30	
47		18:12:00	19:20:00	1:08	
48		19:42:00	21:11:00	1:29	
49	19-02-2024	08:45:00	10:10:00	1:25	
50		10:44:00	11:50:00	1:06	
51		12:53:00	14:21:00	1:28	
52		15:46:00	17:16:00	1:30	
53		18:02:00	19:10:00	1:08	
54		19:51:00	21:09:00	1:18	

Handwritten signatures and initials in blue ink.

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

Block:	BIRNO	Op unit Capacity	As per DPR:	1 cusec
Scheme	DHARAMAGATPUR REORGANISATION WSS	Op unit Hours	As per Site:	1 cusec
GP	JAMESARA Z-4,T.W-1		As per DPR:	120
Discharge	375 LPM	Compressor Testing Date :	As per Site:	118.9Hrs

SI No	Date	Start Time	End Time	Total Hours	Remarks
55	20-02-2024	08:35:00	10:05:00	1:30	
56		10:44:00	11:55:00	1:11	
57		12:42:00	14:12:00	1:30	
58		15:44:00	17:18:00	1:34	
59		18:12:00	19:20:00	1:08	
60		19:40:00	21:00:00	1:20	
61	21-02-2024	08:45:00	10:10:00	1:25	
62		10:44:00	11:50:00	1:06	
63		12:50:00	14:10:00	1:20	
64		15:50:00	17:21:00	1:31	
65		18:02:00	19:10:00	1:08	
66		19:40:00	21:00:00	1:20	
67	22-02-2024	08:55:00	10:17:00	1:22	
68		10:44:00	11:56:00	1:12	
69		12:40:00	14:00:00	1:20	
70		15:56:00	17:26:00	1:30	
71		18:13:00	19:20:00	1:07	
72		19:43:00	21:00:00	1:17	
73	23-02-2024	08:45:00	10:00:00	1:15	
74		10:44:00	11:50:00	1:06	
75		12:50:00	14:10:00	1:20	
76		15:56:00	17:08:00	1:12	
77		18:02:00	18:28:00	0:26	
78		08:45:00	10:00:00	1:15	
79	24-02-2024	10:45:00	11:52:00	1:07	
80		12:40:00	14:01:00	1:21	
81		15:56:00	17:16:00	1:20	
82		18:12:00	19:20:00	1:08	
83		08:45:00	10:10:00	1:25	
84		10:48:00	11:48:00	1:00	
85	25-02-2024	12:55:00	14:12:00	1:17	
86		15:56:00	17:18:00	1:22	
87		18:02:00	19:10:00	1:08	
88		08:45:00	10:10:00	1:25	
89		10:44:00	11:50:00	1:06	
90		12:50:00	14:10:00	1:20	
91	26-02-2024	16:08:00	17:18:00	1:10	
92		18:02:00	19:13:00	1:11	
93		19:40:00	20:09:00	0:29	
94		08:45:00	10:18:00	1:33	
95		10:44:00	11:52:00	1:08	
96		12:50:00	14:10:00	1:20	
97	27-02-2024	15:56:00	17:19:00	1:23	
98		18:09:00	20:10:00	2:01	
				Total	118:54
				Total (Hrs)	118.9Hrs

			
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	