

M/S VSAIPPL-SMC JV, Ghazipur (U.P)
Actual Strata Chart of JALALABAD REORGANISATION WSS, BLOCK -JAKHANIYA, ZONE 1A, GRAM PANCHAYAT - JALALABAD
T.W-2
Under Jal Jeevan Mission, District- Ghazipur (U.P.)

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	6	Clay
2	6	14	Kankad Clay
3	14	20	Kankad
4	20	26	Kankad Clay
5	26	36	Kankad
6	36	44	Very Fine Sand with Kankad
7	44	76	Kankad Clay
8	76	84	Kankad With Very Fine Sand
9	84	90	Kankad Clay
10	90	120	Fine Sand With Kankad

Drilling and assembly		MS Ring Collar length	BGL including MS Ring Collar
300 mm 600MM		AGL 0.50	0
6.080	P.P.	0.000	5.580
6.100	P.P.	0.000	11.680
6.060	P.P.	0.000	17.740
6.050	P.P.	0.000	23.790
6.080	P.P.	0.000	29.870
6.100	P.P.	0.000	35.970
2.280	P.P.	0.000	38.250
3.500	S.P.	0.000	41.750
6.090	P.P.	0.000	47.840
6.050	P.P.	0.000	53.890
6.090	P.P.	0.000	59.980
6.080	P.P.	0.000	66.060
6.020	P.P.	0.000	72.080
5.170	P.P.	0.000	77.250
5.500	S.P.	0.000	82.750
0.750	P.P.	0.000	83.500

Logging Report

Date-19.09.2023

S.N.	Depth Range		Thicknes s	Remark
	From	to		
1	16	20	4	Good
2	26	33	7	Good
3	38	42	4	Good
4	77	83	6	Good

Note -
 1. Fine Bands of Kankar are intermixed with almost all the zones.
 2. Quality of ground water is deteriorating marginal to saline below 90.0 bgl to till depth logged.
 3. Please ensure pre-monsoon water level before lower the well assembly.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	607.00	LPM		
2	Cear Depth of bore 600mm	120.00	Mbgl	89.500	Mbgl
3	Cear Depth of bore 500mm	0.00	Mbgl	0.000	Mbgl
4	Clear Depth of bore 450mm	0.00	Mbgl	128.000	Mbgl
5	Plane pipe 300MM	98.00	m	75.000	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	12.00	m	9.000	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			01.10.2023	

 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
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Ref:GIT:UP: PJM:23-24:LS:

Dated: 19-09-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Jalalabad T.W.-2 Zone 1A
Block: Jakhaniya
District: Ghazipur
State: Uttar Pradesh
Date of Logging: 19-09-2023
Drilling Depth: 125.0 m bgl
Logging Depth: 123.0 m bgl
Rm -13.0Ωm Rw - 11.0Ωm

Borehole Drilled by: M/S VSAIPPL-SMC (JV), Ghazipur, Uttar Pradesh.

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

Sl. No.	Depth Range (mbgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	16 - 20	04	Good
2.	26 - 33	07	Good
3.	38 - 42	04	Good
4.	77 - 83	06	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Quality of ground water is deteriorating marginal to saline below 90.0 m bgl to till depth logged.

3. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's

(S. Shukla)

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 Jalalabad GP (Zone-1A, TW-2) Tubewell under Jalalabad WSS, Block-Jakhaniya Development By 250 PSI Air Compressor

Size of tube well (mm): 300 X 300 RPM 1450

Static water level (m): 8.80 Discharge by-90 'V' notch (Rectangular)

S. N.	Pressure in kg/cm ²		Depression In mtr.	Depth of air line at the time of testing (m)	Discharge by 'V' Notch		LPM	Sand content in P.P.M.			Date of testing	18-10-2023
	Starting Pressure	Running Pressure			Inch	At start		After 5 min	After 10 min	After 15 min		
	In	kg/cm ²	kg/cm ²									
1	6.70	5.90	8.00	78.00	7 1/2	1311	6400	3500	3300	3100	3000	
2	2.80	2.20	6.00	39.00	6 1/2	917	5100	2900	2700	2500	2400	

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



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

(Signature)
 (Abhishek Srivastava)
 Junior Engineer

(Signature)
 (Nitish Kumar)
 Assistant Engineer

(Signature)
 (Adarsh Verma)
 Executive Engineer




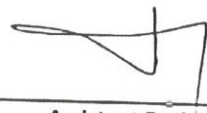
Division Office (E&M), U.P. Jal Nigam(Rural), Varanasi

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

Job Code:		Compressor unit	As per DPR:	400 PSI	
Block:	JAKHANIYA	Capacity	As per Site:	250 PSI	
Scheme	JALALABAD REORGANISATION WSS	Compressor unit	As per DPR:	60.00	
GP	JALALABAD , ZONE 1A,TW-2	Hours	As per Site:	56.82 Hrs	
Lowering Depth(mtr):	83.550	Cumm Gravel(cumt)	As per DPR:	39.33	
Lowering Date :	1-Oct-23	Cumm Gravel(cumt)	As per Site:	37.87	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	10-Oct-23	7:39 AM	9:10 AM	1:31	
2		10:12 AM	11:39 AM	1:27	
3		1:04 PM	1:38 PM	0:34	
4		1:50 PM	3:00 PM	1:10	
5		4:12 PM	5:19 PM	1:07	
6	11-Oct-23	7:39 AM	9:00 AM	1:21	
7		10:10 AM	11:39 AM	1:29	
8		1:00 PM	1:38 PM	0:38	
9		1:50 PM	3:00 PM	1:10	
10		4:10 PM	5:19 PM	1:09	
11	12-Oct-23	7:34 AM	8:54 AM	1:20	
12		10:10 AM	11:20 AM	1:10	
13		12:00 PM	1:19 PM	1:19	
14		2:10 PM	3:14 PM	1:04	
15		4:20 PM	5:22 PM	1:02	
16	13-Oct-23	7:39 AM	8:43 AM	1:04	
17		10:07 AM	11:39 AM	1:32	
18		12:04 PM	1:38 PM	1:34	
19		2:20 PM	3:30 PM	1:10	
20		4:00 PM	5:20 PM	1:20	
21	14-Oct-23	7:29 AM	8:10 AM	0:41	
22		10:00 AM	11:10 AM	1:10	
23		12:00 PM	1:30 PM	1:30	
24		2:00 PM	3:30 PM	1:30	
25		4:00 PM	5:20 PM	1:20	
26	15-Oct-23	8:29 AM	9:54 AM	1:25	
27		10:00 AM	11:30 AM	1:30	
28		1:00 PM	2:25 PM	1:25	
29		4:20 PM	5:30 PM	1:10	
30		6:00 PM	7:30 PM	1:30	
31	16-Oct-23	9:00 AM	10:10 AM	1:10	
32		11:00 AM	12:26 PM	1:26	
33		2:00 PM	3:29 PM	1:29	
34		4:00 PM	5:30 PM	1:30	
35		6:29 PM	7:34 PM	1:05	

Jef *AK*

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

Job Code:		Compressor unit	As per DPR:	400 PSI	
Block:	JAKHANIYA	Capacity	As per Site:	250 PSI	
Scheme	JALALABAD REORGANISATION WSS	Compressor unit	As per DPR:	60.00	
GP	JALALABAD , ZONE 1A, TW-2	Hours	As per Site:	56.82 Hrs	
Lowering Depth(mtr):	83.550	Cumm Gravel(cumt)	As per DPR:	39.33	
Lowering Date :	1-Oct-23	Cumm Gravel(cumt)	As per Site:	37.87	
SI No	Date	Start Time	End Time	Total Hours	Remarks
36	17-Oct-23	10:00 AM	11:10 AM	1:10	
37		12:00 PM	12:56 PM	0:56	
38		1:30 PM	2:40 PM	1:10	
39		3:00 PM	4:02 PM	1:02	
40		5:00 PM	6:19 PM	1:19	
41	18-10-2023	8:00 AM	9:32 AM	1:32	
42		10:10 AM	11:38 AM	1:28	
43		1:30 PM	2:50 PM	1:20	
44		3:20 PM	4:45 PM	1:25	
45		5:30 PM	6:55 PM	1:25	
			Total	56:49	
			Total (Hrs)	56.82 Hrs	
					
Charge	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, I.E, Prashanth Nagar Kukatpally, Hyderabad-500072

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

Yield Test Report Of T.W at Jalalabad GP (Zone-1A, TW-2) Tubewell under Jalalabad Reorganisation WSS,
Block-Jakhaniya by 1 Cusec O.P. Unit

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

Static water level(m): 8.90 Required Discharge(LPM)- 607 LPM Date: 01-11-2023

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	50.00	1120	16.60	7.70	700	400	300	200	150
2	32.00	905	14.70	5.80	400	200	150	100	50
3	15.00	613	13.10	4.20	150	100	50	Tr	Cl

Remark- Recommended discharge 607 LPM L.P.M. at 4.2 m depression after running 20 minute bypass.



(.....)
TPIA

Medhaj Techno Concept Pvt.
Ltd., Ghazipur

Abhishek Srivastava

(Abhishek Srivastava)
Junior Engineer

Nitish Kumar

(Nitish Kumar)
Assistant Engineer

Adarsh Verma

(Adarsh Verma)
Executive Engineer



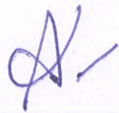

Division Office (E&M), U.P. Jal Nigam(Rural), Varanasi

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

Block:	VIRNO	Op unit Capacity	As per DPR:	2 cusec	
Scheme	JALALABAD REORGANISATION WSS	Op unit Hours	As per Site:	1 cusec	
GP	JALALABAD Z-1A,T.W-2	Compressor Testing Date :	As per DPR:	120	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	19-10-2023	8:25 AM	9:54 AM	1:29	
2		10:24 AM	11:54 AM	1:30	
3		12:20 PM	1:40 PM	1:20	
4		2:46 PM	4:16 PM	1:30	
5		5:02 PM	6:45 PM	1:43	
6		7:40 PM	9:30 PM	1:50	
7		10:10 PM	11:30 PM	1:20	
8		12:10 AM	1:45 AM	1:35	
9	20-10-2023	8:00 AM	9:54 AM	1:54	
10		10:13 AM	11:34 AM	1:21	
11		12:25 PM	1:40 PM	1:15	
12		2:45 PM	4:12 PM	1:27	
13		5:11 PM	6:48 PM	1:37	
14		7:40 PM	9:30 PM	1:50	
15		10:00 PM	11:45 PM	1:45	
16		12:10 AM	1:45 AM	1:35	
17	21-10-2023	8:25 AM	9:54 AM	1:29	
18		10:24 AM	11:54 AM	1:30	
19		12:20 PM	1:55 PM	1:35	
20		3:46 PM	5:16 PM	1:30	
21		6:02 PM	7:21 PM	1:19	
22		7:40 PM	9:30 PM	1:50	
23	22-10-2023	8:25 AM	9:54 AM	1:29	
24		10:24 AM	11:54 AM	1:30	
25		12:20 PM	1:40 PM	1:20	
26		2:46 PM	4:16 PM	1:30	
27		5:02 PM	6:45 PM	1:43	
28		7:40 PM	9:30 PM	1:50	
29		10:10 PM	11:30 PM	1:20	
30	12:10 AM	1:45 AM	1:35		
31	23-10-2023	8:45 AM	9:40 AM	0:55	
32		10:44 AM	11:50 AM	1:06	
33		12:50 PM	1:20 PM	0:30	
34		3:56 PM	5:18 PM	1:22	
35		6:02 PM	7:10 PM	1:08	
36		7:40 PM	8:30 PM	0:50	
37	24-10-2023	8:55 AM	9:50 AM	0:55	
38		10:34 AM	11:53 AM	1:19	
39		12:50 PM	1:20 PM	0:30	
40		3:56 PM	5:18 PM	1:22	
41		6:02 PM	7:10 PM	1:08	
42		7:40 PM	8:30 PM	0:50	
43	25-10-2023	8:15 AM	9:40 AM	1:25	
44		10:44 AM	11:50 AM	1:06	
45		12:50 PM	1:20 PM	0:30	
46		3:56 PM	5:18 PM	1:22	
47		6:02 PM	7:10 PM	1:08	
48		7:40 PM	8:34 PM	0:54	

51 A

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

Block:	VIRNO	Op unit Capacity	As per DPR:	2 cusec	
Scheme	JALALABAD REORGANISATION WSS	Op unit Hours	As per Site:	1 cusec	
GP	JALALABAD Z-1A,T.W-2	Compressor Testing Date :	As per DPR:	120	
SI No	Date	Start Time	End Time	Total Hours	Remarks
49	26-10-2023	8:55 AM	10:16 AM	1:21	
50		10:44 AM	11:55 AM	1:11	
51		12:40 PM	1:50 PM	1:10	
52		3:56 PM	5:26 PM	1:30	
53		6:12 PM	7:20 PM	1:08	
54		7:40 PM	9:10 PM	1:30	
55	27-10-2023	8:45 AM	10:10 AM	1:25	
56		10:44 AM	11:50 AM	1:06	
57		12:50 PM	2:20 PM	1:30	
58		3:46 PM	5:16 PM	1:30	
59		6:02 PM	7:10 PM	1:08	
60		7:50 PM	9:10 PM	1:20	
61	28-10-2023	8:35 AM	10:05 AM	1:30	
62		10:44 AM	11:55 AM	1:11	
63		12:42 PM	2:12 PM	1:30	
64		3:46 PM	5:16 PM	1:30	
65		6:12 PM	7:20 PM	1:08	
66		7:40 PM	9:00 PM	1:20	
67	29-10-2023	8:35 AM	10:05 AM	1:30	
68		10:44 AM	11:55 AM	1:11	
69		12:42 PM	2:12 PM	1:30	
70		3:46 PM	5:16 PM	1:30	
71		6:12 PM	7:20 PM	1:08	
72		7:40 PM	9:00 PM	1:20	
73	30-10-2023	8:35 AM	10:05 AM	1:30	
74		10:44 AM	11:55 AM	1:11	
75		12:42 PM	2:12 PM	1:30	
76		3:46 PM	5:16 PM	1:30	
77		6:12 PM	7:20 PM	1:08	
78		7:40 PM	9:00 PM	1:20	
79	31-10-2023	8:35 AM	10:05 AM	1:30	
80		10:44 AM	11:55 AM	1:11	
81		12:42 PM	2:12 PM	1:30	
82		3:46 PM	5:16 PM	1:30	
83		6:12 PM	7:20 PM	1:08	
84		7:40 PM	9:00 PM	1:20	
85	01-11-2023	8:35 AM	10:05 AM	1:30	
86		10:44 AM	11:55 AM	1:11	
87		12:42 PM	2:12 PM	1:30	
Total				117:27	
Total (Hrs)				117.45 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		