

10A

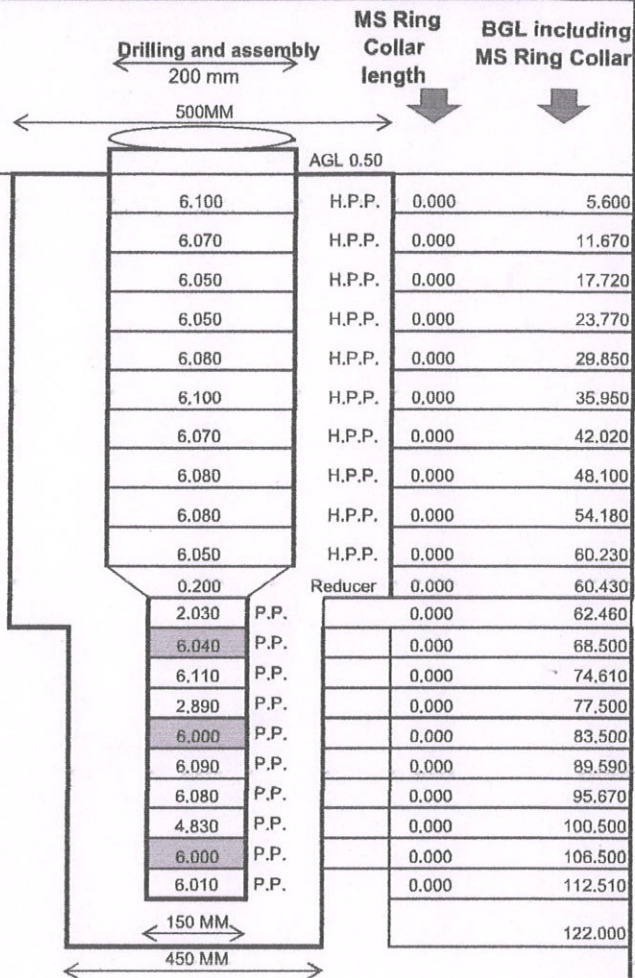
(21)

10B 10A 10B 10A 10B 10A

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

Actual Strata Chart of ARSADPUR(JANGIPUR) REORGANISATION WSS,BLOCK -BIRNO,ZONE 10,GRAM PANCHAYAT - DEVKATHIYA T.W-1 Under Jal Jeevan Mission,District- Ghazipur(U.P.)

PHYSICAL STRATA			Formation	Drilling and assembly 200 mm	MS Ring Collar length	BGL including MS Ring Collar
S.No.	BGL in meter					
	From	to				
1	0	12	Clay			
2	12	25	Kankad Clay			
3	25	40	Sandy Clay			
4	40	60	Kankad Clay			
5	60	108	Very Fine Sand with Kankad			
6	108	122	Kankad Clay			
7	122	128	Fine Sand Kankad			
8	128	168	Kankad Clay			



Logging Report				
02.08.2023				
S.N.	Depth Range	Thickn ess	Quality/Remark	
	From	to		
1	62	69	7	Good
2	72	75	3	Good
3	77	84	7	Good
4	93	97	4	Good
5	100	107	7	Good
6	123	127	4	Moderate

Note-
 1.Fine bands of kankar are intermixed with almost all the zones.
 2.Quality of ground water is deteriorating marginal to saline below 150 m bgl to till depth logged.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	357.000	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	360	Mbgl	168.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	60.730	m
7	Plane pipe 150MM	258	m	34.040	m
8	Reducer 200 X 150 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	12	m	18.040	m
12	Date of lowering			10.08.2023	

 (.....) Company Repre. M/S VSAIPPL-SMC	 (.....) TPJA Medhaj Techno Concept Pvt. Ltd., Ghazipur	 (A.Srivastava) Junior Engineer Division Office(E/M) ,U.P.Jai Nigam(Rural),Varanasi	 (Nitish Kumar) Assistant Engineer	 (Adarsh Verma) Exe. Engineer
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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 Jagdispur Devkathiya GP (Zone-10B, TW-1) Tubewell under ^{Assembly} Bharsar WSS, Block-Birno Development By 250 PSI Air Compressor

Size of tube well (mm):		200	X	150	RPM		1300				
Static water level (m):		9.20			Discharge by-90 'V' notch (Rectangular)						
Depth of T/W (m):		112.510			Required Discharge- 357 LPM		Date of testing 09-12-2023				
S. N.	Pressure in kg/cm2		Depression		Discharge by 'V' Notch			Sand content in P.P.M.			
	Starting Pressure	Running Pressure	In kg/cm2	In mtr.	Inch	LPM	After 5 min	After 10 min	After 15 min	After 20 min	
1	9.00	8.30	0.70	7.00	6	751	6300	3500	3300	3100	3000
2	6.70	6.10	0.60	6.00	5 3/4	675	5800	3200	3000	2800	2700
3	5.20	4.70	0.50	5.00	5 1/2	604	5000	2800	2600	2400	2200

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

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

Latitude - 25.635285 Longitude - 83.543536

M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Job Code:	Mardha	Compressor unit	As per DPR:	600PSI	
Block:	MARDAH	Capacity	As per Site:	250 PSI	
Scheme	Arsadpur Reorganisation WSS	Compressor unit Hours	As per DPR:	60.00	
GP	Devkathiya Z-10B, TW-1		As per Site:	58.66 Hrs	
Lowering Depth(mtr):	112.51	Cumm Gravel(cumt)	As per DPR:	79.50	
Lowering Date :	10-08-2023		As per Site:	68.28	
Discharge	357 LPM	Cumm Gravel(cumt)	As per Site:	68.28	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	30-Nov-23	08:35:00	09:45:00	1:10	
2		10:10:00	11:32:00	1:22	
3		12:00:00	13:31:00	1:31	
4		14:10:00	15:11:00	1:01	
5	1-Dec-23	07:29:00	08:54:00	1:25	
6		10:22:00	11:31:00	1:09	
7		12:14:00	13:28:00	1:14	
8		14:23:00	15:10:00	0:47	
9	2-Dec-23	16:21:00	17:13:00	0:52	
10		07:35:00	08:45:00	1:10	
11		10:19:00	11:30:00	1:11	
12		12:11:00	13:30:00	1:19	
13	3-Dec-23	14:20:00	15:12:00	0:52	
14		16:20:00	17:15:00	0:55	
15		07:19:00	08:47:00	1:28	
16		10:10:00	11:32:00	1:22	
17	4-Dec-23	12:00:00	13:20:00	1:20	
18		14:05:00	15:10:00	1:05	
19		16:13:00	17:20:00	1:07	
20		07:25:00	08:50:00	1:25	
21	5-Dec-23	10:02:00	11:30:00	1:28	
22		12:03:00	13:30:00	1:27	
23		14:00:00	15:15:00	1:15	
24		16:00:00	17:22:00	1:22	
25	6-Dec-23	08:29:00	09:56:00	1:27	
26		10:00:00	11:32:00	1:32	
27		13:00:00	14:28:00	1:28	
28		16:22:00	17:30:00	1:08	
29	7-Dec-23	18:00:00	19:31:00	1:31	
30		09:00:00	10:12:00	1:12	
31		11:03:00	12:26:00	1:23	
32		14:04:00	15:29:00	1:25	
33	8-Dec-23	16:00:00	17:13:00	1:13	
34		18:29:00	19:35:00	1:06	
35		10:05:00	11:10:00	1:05	
36		12:03:00	12:50:00	0:47	
37	9-Dec-23	13:33:00	14:40:00	1:07	
38		15:00:00	16:18:00	1:18	
39		17:00:00	18:24:00	1:24	
40		08:04:00	09:14:00	1:10	
41	9-Dec-23	10:13:00	11:40:00	1:27	
42		13:32:00	14:10:00	0:38	
43		15:20:00	16:26:00	1:06	
44		17:30:00	18:25:00	0:55	
45		09:20:00	10:30:00	1:10	
46		11:05:00	12:01:00	0:56	
47		14:10:00	15:30:00	1:20	
48		16:06:00	17:10:00	1:04	
49		18:34:00	19:05:00	0:31	
			Total	58:40	
			Total (Hrs)	58.66 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 Devkathiya GP (Zone-10B, TW-1) Tubewell under Arsadpur(Jangipur) Village
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)- 357 LPM Date: 20-12-2023

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	23.00	761	16.00	6.90	600	300	200	150	100
2	14.00	594	14.30	5.20	400	200	150	100	50
3	5.00	379	12.90	3.80	100	50	Tr	Tr	Cl

Remark- Recommended discharge 357 LPM L.P.M. at 3.8 m depression after running 20 minute bypass.

(.....)
Company Repr.

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





(Adarsh Verma)
Executive Engineer

Latitude - 25.635285 Longitude - 83.543536

M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Block:	VIRNO		Op unit Capacity	As per DPR:	1 cusec
				As per Site:	1 cusec
Scheme	ARSADPUR(JANGIPUR) REORGANISATION WSS		Op unit Hours	As per DPR:	100
GP	Devkathiya Z-10B,T.W-1			As per Site:	98.18 Hrs
Discharge	357 LPM		Compressor Testing Date :		09-10-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	09-12-2023	08:15:00	09:54:00	1:39	
2		10:14:00	11:56:00	1:42	
3		12:28:00	13:40:00	1:12	
4		14:46:00	16:16:00	1:30	
5		17:07:00	18:41:00	1:34	
6		19:40:00	21:30:00	1:50	
7		22:10:00	23:30:00	1:20	
8	10-12-2023	00:10:00	01:45:00	1:35	
9		08:05:00	09:56:00	1:51	
10		10:16:00	11:38:00	1:22	
11		12:25:00	13:40:00	1:15	
12		14:48:00	16:12:00	1:24	
13		17:11:00	18:51:00	1:40	
14		19:40:00	21:30:00	1:50	
15	22:00:00	23:45:00	1:45		
16	11-12-2023	00:15:00	01:45:00	1:30	
17		08:25:00	09:56:00	1:31	
18		10:28:00	11:54:00	1:26	
19		12:20:00	13:58:00	1:38	
20		15:48:00	17:18:00	1:30	
21		18:07:00	19:28:00	1:21	
22		19:40:00	21:30:00	1:50	
23	12-12-2023	08:28:00	09:54:00	1:26	
24		10:24:00	11:56:00	1:32	
25		12:21:00	13:41:00	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	13-12-2023	00:12:00	01:45:00	1:33	
31		08:45:00	09:41:00	0:56	
32		10:44:00	11:50:00	1:06	
33		12:50:00	13:21:00	0:31	
34		15:56:00	17:18:00	1:22	
35		18:04:00	19:10:00	1:06	
36		19:40:00	20:33:00	0:53	
37	14-12-2023	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		15:56:00	17:18:00	1:22	
41		18:02:00	19:12:00	1:10	
42		19:40:00	20:30:00	0:50	
43		15-12-2023	08:15:00	09:40:00	1:25
44	10:44:00		11:57:00	1:13	
45	12:50:00		13:20:00	0:30	
46	15:56:00		17:18:00	1:22	
47	18:08:00		19:10:00	1:02	
48	19:40:00		20:34:00	0:54	

(Handwritten signatures)

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

Block:	VIRNO		Op unit Capacity	As per DPR:	1 cusec
				As per Site:	1 cusec
Scheme	ARSADPUR(JANGIPUR) REORGANISATION WSS		Op unit Hours	As per DPR:	100
GP	Devkathiya Z-10B,T.W-1			As per Site:	98.18 Hrs
Discharge	357 LPM		Compressor Testing Date :		09-10-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
49	16-12-2023	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		15:57:00	17:26:00	1:29	
53		18:12:00	19:20:00	1:08	
54		19:40:00	21:10:00	1:30	
55	17-12-2023	08:47:00	10:10:00	1:23	
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	19:11:00	1:09	
60	18-12-2023	19:50:00	21:12:00	1:22	
61		08:35:00	10:05:00	1:30	
62		10:44:00	11:53:00	1:09	
63		12:42:00	14:12:00	1:30	
64		15:46:00	17:16:00	1:30	
65		18:19:00	19:20:00	1:01	
66	19-12-2023	19:40:00	21:00:00	1:20	
67		08:35:00	10:05:00	1:30	
68		10:44:00	11:55:00	1:11	
69		12:42:00	14:12:00	1:30	
70		15:46:00	17:17:00	1:31	
71	20-12-2023	18:12:00	19:20:00	1:08	
72		08:35:00	10:05:00	1:30	
73		10:48:00	11:55:00	1:07	
			Total	98:11	
			Total (Hrs)	98.18 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		

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS: *K-74*

Dated: 03-08-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Dev Kathiya T. W. – 1 Zone – 10 B
Block: Birno
District: Ghazipur
State: Uttar Pradesh
Date of Logging: 02-08-2023
Drilling Depth: 360.0m bgl
Logging Depth: 168.0 m bgl
Rm –16.0 Ω m Rw –12.0 Ω m

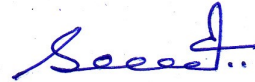
Borehole Drilled by: M/s VSAIPPL-SMC (JV), Ghazipur, Uttar Pradesh.

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 (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	62 – 69	07	Good
2.	72 – 75	03	Good
3.	77 – 84	07	Good
4.	93 – 97	04	Good
5.	100 – 107	07	Good
6.	123 – 127	04	Moderate

Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of Ground water is deteriorating marginal to saline below 150.0 m bgl to till depth logged.

For Geo Instruments & Technic's


(S. Shukla)