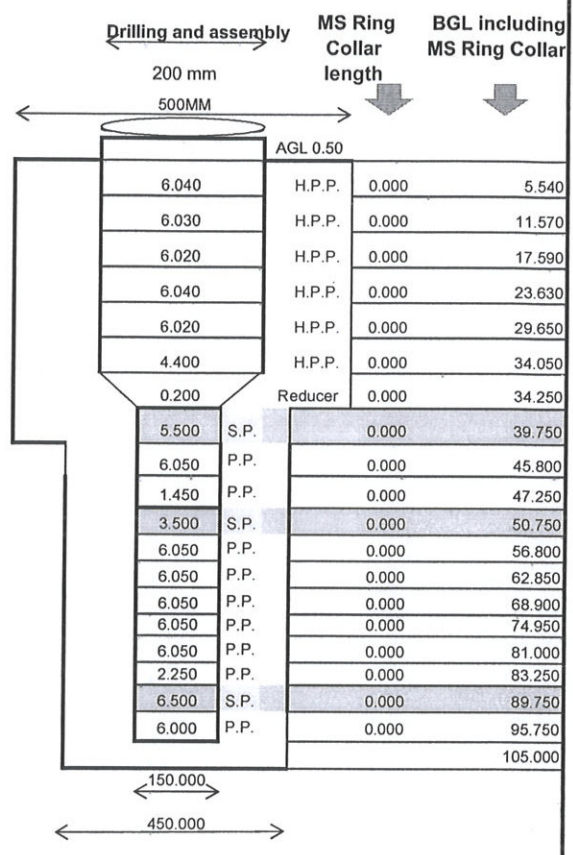


**M/S VSAIPPL-SMC JV, Ghazipur (U.P)**  
**Actual Strata Chart of ARSADPUR(JANGIPUR) REORGANISATION WATER SUPPLY SCHEME, BLOCK-BIRNO**  
**ZONE-2, GRAM PANCAHYAT- BAGHOL TW 1**  
**Under Jal Jeevan Mission, District- Ghazipur(U.P.)**

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	12	Clay Kankad
2	12	28	Kankad Clay
3	28	45	Very Fine Sand
4	45	52	Kankad with Very Fine
5	52	82	Kankad Clay
6	82	95	Very Fine Sand
7	95	110	Kankad Clay
8	110	122	Kankad
9	122	148	Fine Sand With Kankad
10	148	168	Kankad Clay
11	168	193	Sandy Clay


Logging Report				
10.07.2023				
S.N.	Depth Range	Thickness	Remark	
1	15	21	6	Good
2	28	32	4	Good
3	34	40	6	Good
4	47	51	4	Good
5	83	90	7	Good




Note-  
 1. Zone Sl. No. 4 is fine sand in nature.  
 2. Quality of ground water is deteriorating marginal to saline below 110.0 m bgl to till depth logged.



DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge		407.000 LPM		
2	Clear Depth of bore 600mm		0 Mbgl		
3	Clear Depth of bore 500mm		65 Mbgl	38.000	Mbgl
4	Clear Depth of bore 450mm		360 Mbgl	193.000	Mbgl
5	Plane pipe 300MM		0 m	0.000	m
6	Plane pipe 200MM		60 m	34.550	m
7	Plane pipe 150MM		258 m	46.000	m
8	Slotted pipe 300MM		0 m	0.000	m
9	Slotted pipe 200MM		0 m	0.000	m
10	Slotted pipe 150MM		12 m	15.500	m
11	Date of lowering			18.07.2023	



  
 (.....)  
**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

# 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: 988  
Dated: 11-07-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Baghol – T. W. No. – 1 Zone – 2  
Block: Birno  
District: Ghazipur  
State: Uttar Pradesh  
Date of Logging: 10-07-2023  
Drilling Depth: 360.0 m bgl  
Logging Depth: 193.0 m bgl  
Rm – 14.0  $\Omega$ m Rw – 15.0  $\Omega$ m

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

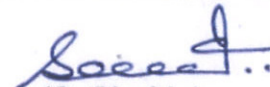
Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral (6') geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	15 – 21	06	Good
2.	28 – 32	04	Good
3.	34 – 40	06	Good
4.	47 – 51	04	Good
5.	83 – 90	07	Good

Note: 1. Zone Sl. No. 4 is fine sand in nature.

2. Quality of ground water is deteriorating marginal to saline below 110.0 m bgl to till depth logged.

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 GP-Baghol TW1, Zone 2, Block - Birno, Scheme- Arsadpur(Jangipur) Reorganisation WSS, Developed by 250 PSI Compressor

Size of tube well (mm):	200	X	150	RPM	1300
Static water level (m):	10.00				
Discharge by 90 'V' notch (Rectangular)	Date: of testing 01-08-2023				
S. N.	Depth of T/W (m):		Sand content in P.P.M.		
	Pressure in kg/cm2	Depression	Discharge by 'V' Notch		
	Starting Pressure	In mtr.	Inch	LPM	At start
1	7.20	7.00	6 1/2	917	6400
2	3.60	6.00	6	751	5500
3	2.30	5.00	5 3/4	675	4600
	Running Pressure	In mtr.	Depth of air line at the time of testing (m)	After 5 min	After 10 min
				After 15 min	After 20 min
				3500	3300
				3100	2900
				2600	2400
				2700	2600
				2200	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

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

Job Code:		Compressor unit	As per DPR:	600 PSI	
Block:	BIRNO	Capacity	As per Site:	250 PSI	
Scheme	ARSADPUR(JANGIPUR)	Compressor unit	As per DPR:	60	
GP	BAGHOL TW1, ZONE 2	Hours	As per Site:	58:00	
Lowering Depth(mtr):	95.75	Cumm			
		Gravel(cumt)	As per DPR:	79.33	
		Cumm Gravel(cumt)	As per Site:	41.87	
<b>SI No</b>	<b>Date</b>	<b>Start Time</b>	<b>End Time</b>	<b>Total Hours</b>	<b>Remarks</b>
1	22-Jul-23	9:30 AM	3:39 PM	6:09	
2	23-Jul-23	7:29 AM	12:04 PM	4:35	
3	24-Jul-23	10:00 AM	3:10 PM	5:10	
4	25-Jul-23	7:00 AM	10:04 AM	3:04	
5	26-Jul-23	6:00 AM	12:20 PM	6:20	
6	27-Jul-23	7:00 AM	12:20 PM	5:20	
7	28-Jul-23	9:00 AM	2:20 PM	5:20	
8	29-Jul-23	9:00 AM	1:46 PM	4:46	
9	30-Jul-23	9:30 AM	2:39 PM	5:09	
10	31-Jul-23	7:29 AM	1:10 PM	5:41	
11	1-Aug-23	10:00 AM	4:26 PM	6:26	
			<b>Total</b>	<b>58:00</b>	
		<i>Jel</i>	<i>AS</i>	<i>[Signature]</i>	<i>sen [Signature]</i>
<b>Site Incharge</b>	<b>TPIA</b>	<b>Junior Engineer</b>	<b>Assistant Engineer</b>	<b>Exe. Engineer</b>	
M/S VSAIPPL-SMC JV, Ghazipur (U.P)	M/s Medhaj Techno Concept Pvt. Ltd., Ghazipur	Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi			



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

Regd. Office-#10, APIC 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 Baghol GP (Zone-2, 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)- 407 LPM Date: 21-02-2024

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	33.00	916	16.30	7.20	700	300	200	150	100
2	18.00	674	14.40	5.30	400	200	150	100	50
3	6.00	409	13.20	4.10	100	50	Tr	Tr	Cl

Remark- Recommended discharge 407 LPM L.P.M. at 4.1 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

(.....)  
Assistant Engineer

(Nitish Kumar)  
Assistant Engineer

(.....)  
Executive Engineer

(Adarsh Verma)  
Executive Engineer





Latitude - 25.650547 Longitude - 83.583383

M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Block:	VIRNO		Op unit Capacity	As per DPR:	1 cusec
Scheme	ARSADPUR(JANGIPUR) REORGANISATION WSS		Op unit Hours	As per Site:	1 cusec
GP	Baghol Z-2,T.W-1			As per DPR:	100
Discharge	407 LPM ✓		Compressor Testing Date :	As per Site:	98.18 Hrs
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	10-02-2024	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	11-02-2024	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	12-02-2024	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	13-02-2024	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	14-02-2024	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	15-02-2024	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		15:56:00	17:18:00	1:22	
41		18:02:00	19:12:00	1:10	
42		19:40:00	20:30:00	0:50	
43	16-02-2024	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)**

<b>Block:</b>	VIRNO	<b>Op unit Capacity</b>	<b>As per DPR:</b>	1 cusec	
			<b>As per Site:</b>	1 cusec	
<b>Scheme</b>	ARSADPUR(JANGIPUR) REORGANISATION WSS	<b>Op unit Hours</b>	<b>As per DPR:</b>	100	
<b>GP</b>	Baghol Z-2,T.W-1		<b>As per Site:</b>	98.18 Hrs	
<b>Discharge</b>	407 LPM	<b>Compressor Testing Date :</b>		<b>01-08-2024</b>	
<b>SI No</b>	<b>Date</b>	<b>Start Time</b>	<b>End Time</b>	<b>Total Hours</b>	<b>Remarks</b>
49	17-02-2024	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		15:57:00	17:26:00	1:29	
53		18:12:00	19:20:00	1:08	
54		19:40:00	21:10:00	1:30	
55	18-02-2024	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	19-02-2024	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	20-02-2024	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	21-02-2024	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	
			<b>Total</b>	<b>98:11</b>	
			<b>Total (Hrs)</b>	<b>98.18 Hrs</b>	
					
<b>Site Incharge</b>		<b>TPIA</b>	<b>Junior Engineer</b>	<b>Assistant Engineer</b>	
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		