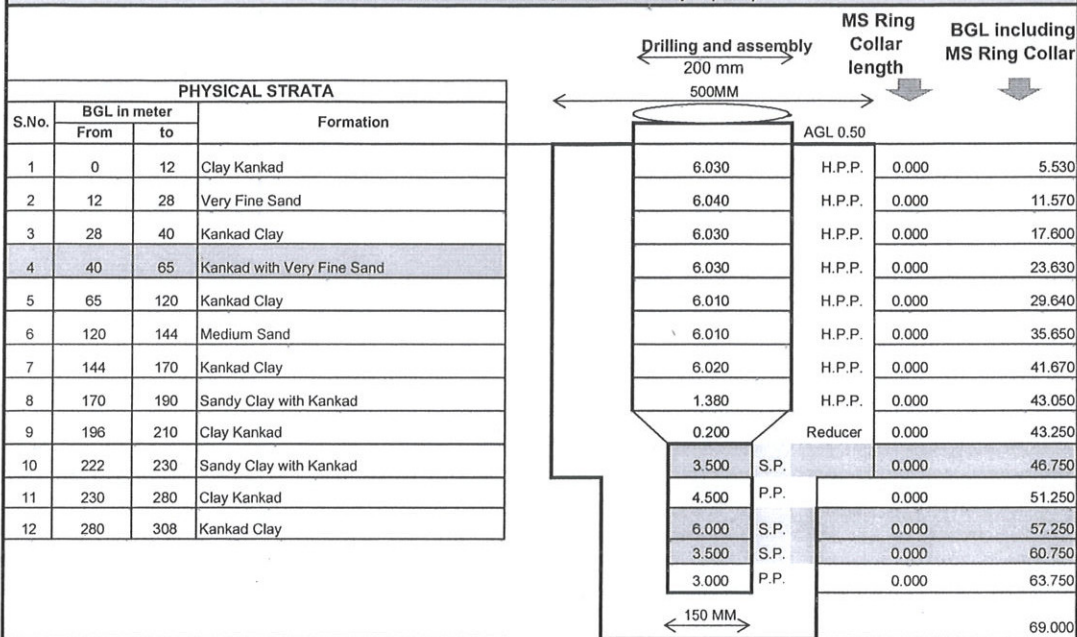


M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Actual Strata Chart of ARSADPUR(JANGIPUR) REORGANISATION WSS,BLOCK - BIRNO,ZONE 3,GRAM
PANCHAYAT - SHADATPUR T.W- 1
Under Jal Jeevan Mission,District- Ghazipur(U.P.)



Logging				
Date-10.07.2023				
S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	18	33	15	Good (1,2,3 & 5)
2	43	47	4	
3	51	61	10	
4	70	74	4	marginal (4)
5	94	98	4	Good to moderate (6,7)
6	280	287	7	
7	290	296	6	

Note- All zones are intermixed with Kankar. Quality of the formation water is deteriorating marginal to saline in between 102.0 to 278.0 mbgl

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	425.000	LPM		
2	Cear Depth of bore 600mm	0	Mbgl	0.000	Mbgl
3	Cear Depth of bore 500mm	65	Mbgl	47.000	Mbgl
4	Clear Depth of bore 450mm	360	Mbgl	308.000	Mbgl
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	43.550	m
7	Plane pipe 150MM	258	m	7.500	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	12	m	13.000	m
12	Date of lowering			17.07.2023	



(.....)
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



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001

Mob. 9918202546 / 9889323322, Email-aquaxploreko@gmail.com

Advisor- Dr. R. A. Yadav, ex- Manager(Groundwater), U. P. Jal Nigam

Ref 710 -S/ AX - 2023

Date 10.07.2023

Geophysical Borehole Logging Report

Name of the site : Shahadatpur, Block - Birno

District : Ghazipur

Date : 10.07.2023

Depth logged : 308.0 mbgl

Depth drilled : 360.0 mbgl- as reported

Logger used : Robertson make

Presence : Representative of M/S VSAIPPL-SMC JV, Ghazipur, U.P.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	18.0–33.0	15.0	Good (1,2,3 & 5)
2	43.0–47.0	4.0	
3	51.0–61.0	10.0	
4	70.0–74.0	4.0	Marginal (4)
5	94.0–98.0	4.0	
6	280.0–287.0	7.0	Good to moderate
7	290.0–296.0	6.0	(6,7)

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 102.0 to 278.0 mbgl .

for Aqua Xplore

CC;

1. M/S VSAIPPL-SMC JV, Ghazipur, Uttar Pradesh

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-Shahadatpur TW1 ,Zone 3 ,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)						
Depth of TW (m):		63.750			Date: of testing 01-08-2023						
S. N.	Pressure in kg/cm2		In mtr.	Depth of air line at the time of testing (m)	Discharge by "V" Notch						
	Starting Pressure	Running Pressure			Inch	LPM	Sand content in P.P.M.				
1	4.60	3.70	9.00	58.00	6 1/4	831	At start 6800	After 5 min 3700	After 10 min 3500	After 15 min 3300	After 20 min 3200
2	4.00	3.30	7.00	52.00	6	751	5600	3100	2900	2700	2600
3	3.20	2.60	6.00	44.00	5	476	4900	2800	2600	2400	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

(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	SHADATPUR TW1,ZONE 3	Hours	As per Site:	58:00
Lowering				
Depth(mtr):	63.75	Cumm Gravel(cumt)	As per DPR:	79.5
		Cumm Gravel(cumt)	As per Site:	57.97

SI No	Date	Start Time	End Time	Total Hours	Remarks
1	22-Jul-23	9:30 AM	3:39 PM	6:09	
2	23-Jul-23	7:29 AM	2:04 PM	6:35	
3	24-Jul-23	10:00 AM	3:10 PM	5:10	
4	25-Jul-23	7:00 AM	12:00 PM	5:00	
5	26-Jul-23	6:00 AM	12:20 PM	6:20	
6	27-Jul-23	7:00 AM	11:20 AM	4:20	
7	28-Jul-23	9:00 AM	3:20 PM	6:20	
8	29-Jul-23	9:00 AM	1:46 PM	4:46	
9	30-Jul-23	9:30 AM	12:05 PM	2:35	
10	31-Jul-23	7:29 AM	12:04 PM	4:35	
11	1-Aug-23	10:00 AM	4:10 PM	6:10	
			Total	58:00	

	<i>JH</i>	<i>AK</i>	<i>[Signature]</i>	<i>[Signature]</i>
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	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 Shadatpur GP (Zone-3, TW-1) Tubewell under Arsadpur Jangipur WSS, Block-
Birno by 1 Cusec O.P. Unit**

Size of Ventury 4" X 3"

Column Pipe Lowered: 30.00

Static water level(m): 10.00

Required Discharge(LPM)- 425

Date: 20-08-2023

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	27.00	829	18.70	8.70	900	300	200	150	100
2	22.00	746	16.80	6.80	700	200	150	100	50
3	7.00	435	14.40	4.40	200	100	50	Tr	Cl

Remark- Recommended discharge 425 L.P.M. at 4.4 m depression after running 20 minute bypass.

0



(.....) (Abhishek Srivastava)

(Nitish Kumar)

(Adarsh Verma)

Company Repre.

Medhaj Techno Concept Pvt.
Ltd., Ghazipur

TPIA

Junior Engineer

Assistant Engineer

Executive Engineer

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

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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	VIRNO	Capacity	As per Site:	1 Cusec	
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100	
GP	SHAHDATPUR, ZONE 3 <i>7.0-1</i>	Hours	As per Site:	96:00	
Lowering Depth(mtr):	63.750	Cumm			
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5	
		Cumm			
		Gravel(cum)	As per Site:	57.97	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	08-08-2023	8:25 AM	9:54 AM	1:29	
2		10:24 AM	11:54 AM	1:30	
3		12:20 PM	1:20 PM	1:00	
4		3:46 PM	5:16 PM	1:30	
5		6:02 PM	7:21 PM	1:19	
6		7:40 PM	8:30 PM	0:50	
7	09-08-2023	8:45 AM	9:40 AM	0:55	
8		10:44 AM	11:50 AM	1:06	
9		12:50 PM	1:20 PM	0:30	
10		3:56 PM	5:18 PM	1:22	
11		6:02 PM	7:10 PM	1:08	
12		7:40 PM	8:30 PM	0:50	
13	10-08-2023	8:55 AM	9:50 AM	0:55	
14		10:34 AM	11:53 AM	1:19	
15		12:50 PM	1:20 PM	0:30	
16		3:56 PM	5:18 PM	1:22	

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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	VIRNO	Capacity	As per Site:	1 Cusec	
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100	
GP	SHAHDATPUR, ZONE 3	Hours	As per Site:	96:00	
Lowering Depth(mtr):	63.750	Cumm			
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5	
		Cumm			
		Gravel(cum)	As per Site:	57.97	
SI No	Date	Start Time	End Time	Total Hours	Remarks
17		6:02 PM	7:10 PM	1:08	
18		7:40 PM	8:30 PM	0:50	
19	11-08-2023	8:15 AM	9:40 AM	1:25	
20		10:44 AM	11:50 AM	1:06	
21		12:50 PM	1:20 PM	0:30	
22		3:56 PM	5:18 PM	1:22	
23		6:02 PM	7:10 PM	1:08	
24		7:40 PM	8:34 PM	0:54	
25		8:55 AM	10:16 AM	1:21	
26		10:44 AM	11:55 AM	1:11	
27	12-08-2023	12:40 PM	1:50 PM	1:10	
28		3:56 PM	5:26 PM	1:30	
29		6:12 PM	7:20 PM	1:08	
30		7:40 PM	9:10 PM	1:30	

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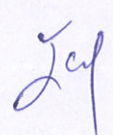
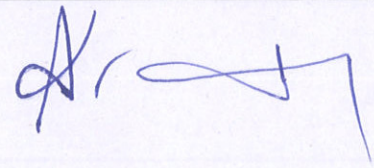
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M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Job Code:		Op unit	As per DPR:	1 Cusec
Block:	VIRNO	Capacity	As per Site:	1 Cusec
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100
GP	REORGANISATION WSS	Hours	As per Site:	96:00
Lowering Depth(mtr):	63.750	Cumm		
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5
		Cumm		
		Gravel(cum)	As per Site:	57.97

SI No	Date	Start Time	End Time	Total Hours	Remarks
31	13-08-2023	8:45 AM	10:10 AM	1:25	
32		10:44 AM	11:50 AM	1:06	
33		12:50 PM	2:20 PM	1:30	
34		3:46 PM	5:16 PM	1:30	
35		6:02 PM	7:10 PM	1:08	
36		7:50 PM	9:10 PM	1:20	
37	14-08-2023	8:35 AM	10:05 AM	1:30	
38		10:44 AM	11:55 AM	1:11	
39		12:42 PM	2:12 PM	1:30	
40		3:46 PM	5:16 PM	1:30	
41		6:12 PM	7:20 PM	1:08	
42		7:40 PM	9:00 PM	1:20	
43	15-08-2023	8:45 AM	10:10 AM	1:25	
44		10:44 AM	11:50 AM	1:06	
45		12:50 PM	2:10 PM	1:20	
46		3:56 PM	5:18 PM	1:22	

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

Job Code:		Op unit	As per DPR:	1 Cusec
Block:	VIRNO	Capacity	As per Site:	1 Cusec
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100
GP	SHAHDATPUR, ZONE 3	Hours	As per Site:	96:00
Lowering Depth(mtr):	63.750	Cumm		
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5
		Cumm		
		Gravel(cum)	As per Site:	57.97

SI No	Date	Start Time	End Time	Total Hours	Remarks	
47		6:02 PM	7:10 PM	1:08		
48		7:40 PM	9:00 PM	1:20		
49	16-08-2023	8:55 AM	10:16 AM	1:21		
50		10:44 AM	11:55 AM	1:11		
51		12:40 PM	2:00 PM	1:20		
52		3:56 PM	5:26 PM	1:30		
53		6:12 PM	7:20 PM	1:08		
54		7:40 PM	9:00 PM	1:20		
55		17-08-2023	8:45 AM	10:00 AM	1:15	
56			10:44 AM	11:50 AM	1:06	
57	12:50 PM		2:10 PM	1:20		
58	3:56 PM		5:08 PM	1:12		
59	6:02 PM		7:10 PM	1:08		
60	7:40 PM		9:00 PM	1:20		
61		8:45 AM	10:00 AM	1:15		
62		10:44 AM	11:50 AM	1:06		

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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	VIRNO	Capacity	As per Site:	1 Cusec	
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100	
GP	SHAHDATPUR, ZONE 3	Hours	As per Site:	96:00	
Lowering Depth(mtr):	63.750	Cumm			
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5	
		Cumm			
		Gravel(cum)	As per Site:	57.97	
SI No	Date	Start Time	End Time	Total Hours	Remarks
63	18-08-2023	12:40 PM	2:00 PM	1:20	
64		3:56 PM	5:16 PM	1:20	
65		6:12 PM	7:20 PM	1:08	
66		7:40 PM	9:00 PM	1:20	
67	19-08-2023	8:45 AM	10:10 AM	1:25	
68		10:44 AM	11:50 AM	1:06	
69		12:50 PM	2:10 PM	1:20	
70		3:56 PM	5:18 PM	1:22	
71		6:02 PM	7:10 PM	1:08	
72		7:40 PM	9:09 PM	1:29	
73			8:45 AM	10:10 AM	1:25
74		10:44 AM	11:50 AM	1:06	


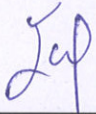



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M/S VSAIPPL-SMC JV,Ghazipur (U.P)

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	VIRNO	Capacity	As per Site:	1 Cusec	
Scheme	ARSADPUR (JANGIPUR)	Op unit	As per DPR:	100	
GP	REORGANISATION WSS	Hours	As per Site:	96:00	
Lowering Depth(mtr):	63.750	Cumm			
Compressor Testing Date	01-08-2023	Gravel(cum)	As per DPR:	79.5	
		Cumm			
		Gravel(cum)	As per Site:	57.97	
SI No	Date	Start Time	End Time	Total Hours	Remarks
75	20-08-2023	12:50 PM	2:10 PM	1:20	
76		3:56 PM	5:18 PM	1:22	
77		6:02 PM	7:13 PM	1:11	
78		7:40 PM	9:09 PM	1:29	
			Total	96:00	
					
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		

8

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