

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

Actual Strata Chart of GOVINDPUR KIRAT REORGANISATION WSS, BLOCK - MARDAH, ZONE 5, GRAM PANCHAYAT - NASARTPUR TW 2 Under Jal Jeevan Mission, District- Ghazipur (U.P.)

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	12	Clay
2	12	26	Kankad Clay
3	26	54	Kankad Clay
4	54	64	Very Fine Sand
5	64	74	Kankad Clay
6	74	92	Very Fine Sand
7	92	120	Kankad Clay
8	120	136	Very Fine Sand
9	136	172	Kankad Clay
10	172	180	Kankad

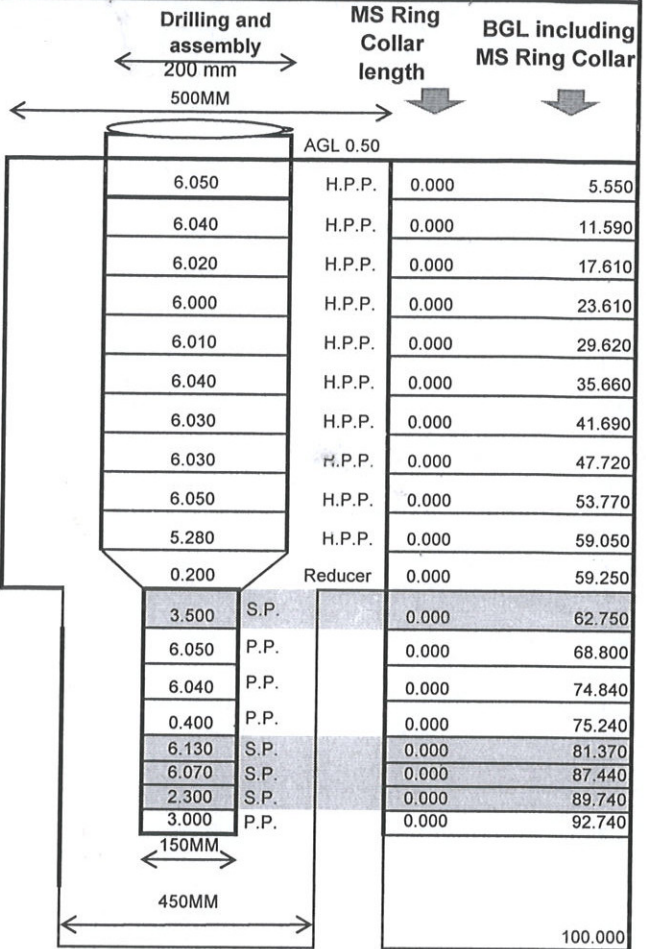
Logging Report

28-05-2023

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	29	35	6	Good
2	38	42	4	Good
3	45	48	3	Good
4	59	63	4	Good
5	75	90	15	Good
6	126	133	7	Good

Note-

1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of ground water is deteriorating in between 102.0 m to 122.0m bgl and below 136mbgl.
3. Predominated clay is present in depth range 122.0 to 124.0 bgl.



DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	500.000	LPM		
2	Clear Depth of bore 600mm		Mbgl		Mbgl
3	Clear Depth of bore 500mm	65	Mbgl	65.000	Mbgl
4	Clear Depth of bore 450mm	200	Mbgl	180.000	Mbgl
5	Plane pipe 300MM		m		m
6	Plane pipe 200MM	60	m	59.550	m
7	Plane pipe 150MM	102	m	15.490	m
8	Reducer 200x150 MM			0.200	m
9	Slotted pipe 300MM		m		m
10	Slotted pipe 200MM		m		m
11	Slotted pipe 150MM	18	m	18.000	m
12	Date of lowering			06-02-2023	

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

(Signature)
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

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 Nasratpur GP (Zone-5, TW-2) Tubewell under Govindpur Kirat WSS, Block-Mardah Development By 250 PSI Air Compressor

Size of tube well (mm): 200 X 150 RPM 1300

Static water level (m): 12.00 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		Sand content in P.P.M.				
	Starting Pressure	Running Pressure			Inch	LPM	At start	After 5 min	After 10 min	After 15 min	After 20 min
	1	6.20	5.40	8.00	76.00	6 3/4	1008	6100	3400	3200	3000
2	4.60	4.00	6.00	60.00	5 1/2	604	5300	3000	2800	2600	2500

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




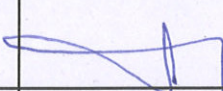
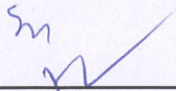
Division Office (E&M), U.P. Jal Nigam(Rural), Varanasi

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

Job Code:		Compressor unit	As per DPR:	400 PSI	
Block:	MARDAH	Capacity	As per Site:	250 PSI	
Scheme	GOVINDPUR KIRAT	Compressor unit	As per DPR:	40	
GP	NASARTPUR TW 2,ZONE 5	Hours	As per Site:	48:00	
Lowering Depth(mtr):	92.740	Cumm			
Lowering Date :	2-May-23	Gravel(cumt)	As per DPR:	45.30	
		Cumm			
		Gravel(cumt)	As per Site:	39.99	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	27-Jul-23	7:49 AM	8:39 AM	0:50	
2		10:20 AM	11:32 AM	1:12	
3		12:15 PM	1:30 PM	1:15	
4		2:12 PM	3:36 PM	1:24	
5		4:00 PM	5:16 PM	1:16	
6	28-Jul-23	7:19 AM	8:49 AM	1:30	
7		10:11 AM	11:32 AM	1:21	
8		12:15 PM	1:33 PM	1:18	
9		2:22 PM	3:46 PM	1:24	
10		4:00 PM	5:30 PM	1:30	
11	29-Jul-23	7:39 AM	8:59 AM	1:20	
12		10:10 AM	11:30 AM	1:20	
13		12:05 PM	1:30 PM	1:25	
14		2:20 PM	3:46 PM	1:26	
15		4:00 PM	5:30 PM	1:30	
16	30-Jul-23	8:29 AM	9:54 AM	1:25	
17		10:00 AM	11:30 AM	1:30	
18		1:00 PM	2:25 PM	1:25	
19		4:20 PM	5:40 PM	1:20	
20		6:00 PM	7:40 PM	1:40	
21	31-Jul-23	9:00 AM	10:20 AM	1:20	
22		11:00 AM	12:26 PM	1:26	
23		2:00 PM	3:29 PM	1:29	

July 2023

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

Jqb Code:		Compressor unit	As per DPR:	400 PSI	
Block:	MARDAH	Capacity	As per Site:	250 PSI	
Scheme	GOVINDPUR KIRAT	Compressor unit	As per DPR:	40	
GP	NASARTPUR TW 2,ZONE 5	Hours	As per Site:	48:00	
Lowering Depth(mtr):	92.740	Cumm			
Lowering Date :	2-May-23	Gravel(cumt)	As per DPR:	45.30	
		Cumm			
		Gravel(cumt)	As per Site:	39.99	
SI No	Date	Start Time	End Time	Total Hours	Remarks
24	1-Aug-23	4:00 PM	5:30 PM	1:30	
25		6:29 PM	7:34 PM	1:05	
26		10:00 AM	11:30 AM	1:30	
27		12:00 PM	12:56 PM	0:56	
28		1:30 PM	2:40 PM	1:10	
29		3:00 PM	4:22 PM	1:22	
30		5:00 PM	6:29 PM	1:29	
31		2-Aug-23	8:00 AM	9:32 AM	1:32
32	10:10 AM		11:40 AM	1:30	
33	1:30 PM		2:50 PM	1:20	
34	3:30 PM		5:00 PM	1:30	
35	5:30 PM		7:00 PM	1:30	
		Total		48:00	
Note	Due to poor quality of strata, running hours of Compressor increase beyond the DPR qty.				
					
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			

Note: as per DPR work hr is 40hr. But in logsheet mentiond hr is 48hr. So Clarification is require. approval hr is 40hr.

Jap

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: 583

Dated: 29-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Nasratpur Zone – 5**
Block: **Mardah**
District: **Ghazipur**
State: **Uttar Pradesh**
Date of Logging: **28-05-2023**
Drilling depth: **200.0 m bgl**
Logging Depth: **180.0 m bgl**
Rm – **7.0 Ωm** Rw – **7.2 Ωm**

Borehole Drilled by: M/s VSAIPPL-SMC JV, Ghazipur, U. P.

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:

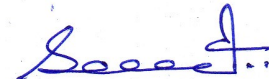
Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	29 – 35	06	Good
2.	38 – 42	04	Good
3.	45 – 48	03	Good
4.	59 56 – 63	07 04	Good
5.	75 – 90	15	Good
6.	126 – 133	07	Good

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

2. Quality of ground water is deteriorating in between 102.0 to 122.0 m bgl and below 136 m bgl.

3. Predominated clay is present in depth range 122.0 to 124.0 m bgl.

Verified as per For Geo Instruments & Technic's
logs provided.


(S. Shukla)

G.S.H.
30/05/23