

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

Actual Strata Chart of GOVINDPUR KIRAT REORGANISATION WSS, BLOCK - MARDAH, ZONE 5, GRAM PANCHAYAT - NASARTPUR TW 1
Under Jal Jeevan Mission, District- Ghazipur(U.P.)

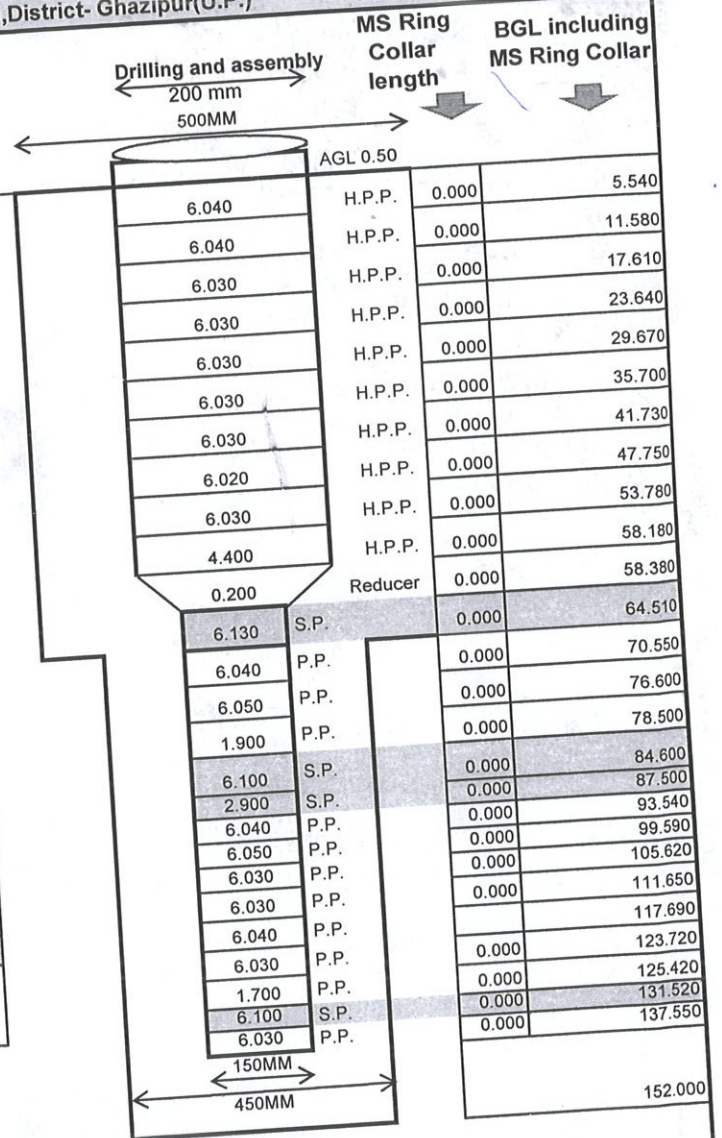
PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	6	Clay
2	6	12	Kankad Clay
3	12	30	Kankad
4	30	34	Kankad with Very Fine
5	34	40	Kankad Clay
6	40	90	Very Fine Sand with Kankad
7	90	124	Kankad Clay
8	124	134	Very fine sand

Logging Report

15-05-2023

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	30	34	4	Good
2	40	44	4	Good
3	56	65	9	Good
4	78	88	10	Good
5	125	132	7	Good

Note-
1. Fine bands of kankar are intermixed with almost all the zones. 2. Zone SI.NO.5 is highly intermixed with fine bands of kankar.



ITEMS	AS PER DPR		ACTUAL	
	Quantity	Unit	Quantity	Unit
Drilling Charge	500.000		0.000	Mbgl
600mm	0	Mbgl	64.000	Mbgl
450mm	65	Mbgl	152.000	Mbgl
	200	Mbgl		
	0	m	0.000	m
	60	m	58.680	m
	102	m	57.940	m
		m	0.200	m
		m	0.000	m
	0	m	0.000	m
		m	21.230	m

16/05/2023

(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-1) 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)

Depth of T/W (m): 137.550 Required Discharge- 500 Date of testing 16-08-2023

S. N.	Pressure in kg/cm ²		Depression		Depth of air line at the time of testing (m)	Discharge by 'V' Notch		Sand content in P.P.M.				
	Starting Pressure	Running Pressure	In kg/cm ²	In mtr.		Inch	LPM	At start	After 5 min	After 10 min	After 15 min	After 20 min
1	11.20	10.50	0.70	7.00	126.00	7	1104	6400	3500	3300	3100	3000
2	6.50	5.90	0.60	6.00	79.00	6 1/4	831	5400	3000	2800	2600	2500
3	4.50	4.00	0.50	5.00	59.00	5 1/2	604	5000	2800	2600	2400	2200

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

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

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

(Abhishek Srivastava)
Junior Engineer

(Nitish Kumar)
Assistant Engineer

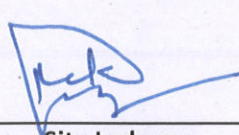

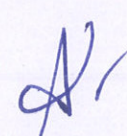
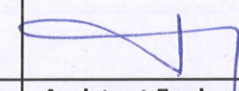

(Adarsh Verma)
Executive Engineer

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	REORGANISATION WSS	Hours	As per Site:	50:00	
Lowering Depth(mtr):	137.550	Cumm			
Lowering Date :	16-May-23	Gravel(cumt)	As per DPR:	45.34	
		Cumm			
		Gravel(cumt)	As per Site:	44.85	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	10-Aug-23	7:19 AM	8:49 AM	1:30	
2		10:00 AM	11:30 AM	1:30	
3		12:00 PM	1:30 PM	1:30	
4		2:20 PM	3:46 PM	1:26	
5		4:00 PM	5:30 PM	1:30	
1	11-Aug-23	7:19 AM	8:49 AM	1:30	
2		10:00 AM	11:30 AM	1:30	
3		12:00 PM	1:30 PM	1:30	
4		2:20 PM	3:50 PM	1:30	
5		4:00 PM	5:20 PM	1:20	
1	12-Aug-23	7:19 AM	8:49 AM	1:30	
2		10:00 AM	11:30 AM	1:30	
3		12:00 PM	1:30 PM	1:30	
4		2:20 PM	3:36 PM	1:16	
5		4:00 PM	5:24 PM	1:24	
6	13-Aug-23	8:29 AM	9:54 AM	1:25	
7		10:00 AM	11:30 AM	1:30	
8		1:00 PM	2:25 PM	1:25	
9		4:20 PM	5:40 PM	1:20	
10		6:00 PM	7:30 PM	1:30	
11	14-Aug-23	9:00 AM	10:20 AM	1:20	
12		11:00 AM	12:26 PM	1:26	
13		2:00 PM	3:29 PM	1:29	
14		4:00 PM	5:30 PM	1:30	

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

Job Code:		Compressor unit Capacity	As per DPR:	400 PSI	
Block:	MARDAH		As per Site:	250 PSI	
Scheme	GOVINDPUR KIRAT REORGANISATION WSS	Compressor unit	As per DPR:	40	
GP	NASARTPUR TW 1,ZONE 5	Hours	As per Site:	50:00	
Lowering Depth(mtr):	137.550	Cumm			
Lowering Date :	16-May-23	Gravel(cumt)	As per DPR:	45.34	
		Cumm			
		Gravel(cumt)	As per Site:	44.85	
SI No	Date	Start Time	End Time	Total Hours	Remarks
15		6:29 PM	7:34 PM	1:05	
16	15-Aug-23	10:00 AM	11:30 AM	1:30	
17		12:00 PM	12:56 PM	0:56	
18		1:30 PM	2:40 PM	1:10	
19		3:00 PM	4:22 PM	1:22	
20		5:00 PM	6:29 PM	1:29	
21		16-Aug-23	8:00 AM	9:32 AM	1:32
22	10:10 AM		11:50 AM	1:40	
23	1:30 PM		3:00 PM	1:30	
24	3:20 PM		4:45 PM	1:25	
25	5:30 PM		7:00 PM	1:30	
		Total		50:00	
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 worky hr is 40hr. But in logsheet mentored hr. is 50hr. So classifier require approval hr. is 40hr.

Jaf

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 Nasaratpur GP (Zone-5, TW-1) Tubewell under Govindpurkirat

Reorganisation WSS, Block-Mardha by 1 Cusec O.P. Unit

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

Static water level(m): 6.30 Required Discharge(LPM)- 500 LPM Date: 06-02-2024

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	43.00	1041	13.50	7.20	800	450	300	200	100
2	14.00	594	11.80	5.50	400	200	150	100	50
3	5.50	394	10.80	4.50	100	50	Tr	Tr	Cl

Remark- Recommended discharge 394 L.P.M. at 4.5 m depression after running 20 minute bypass.

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

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



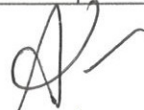
(.....)
Junior Engineer
Abhishek Srivastava

(.....)
Assistant Engineer
Nitesh Kumar


(.....)
Executive Engineer
Adarsh Verma

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





Block:	MARDAH	Op unit Capacity	As per DPR:	1 cusec
			As per Site:	1 cusec
Scheme	GOVINDPUR KIRAT REORGANISATION WSS	Op unit Hours	As per DPR:	70
GP	NASARATPUR Z-5,T.W-1		As per Site:	89.46 Hrs
REQUIRED DISCHARGE	500	Compressor Testing Date :		16-08-2023
SI No	Date	Start Time	End Time	Total Hours
1	25-01-2024	08:55:00	10:16:00	1:21
2		10:44:00	11:55:00	1:11
3		12:40:00	13:50:00	1:10
4		15:56:00	17:26:00	1:30
5		18:12:00	19:20:00	1:08
6		19:40:00	21:20:00	1:40
7	26-01-2024	08:55:00	09:50:00	0:55
8		10:34:00	11:53:00	1:19
9		12:50:00	13:20:00	0:30
10		15:56:00	17:18:00	1:22
11		18:02:00	19:10:00	1:08
12	27-01-2024	19:40:00	20:30:00	0:50
14		08:45:00	09:40:00	0:55
15		10:44:00	11:50:00	1:06
16		12:50:00	13:20:00	0:30
17		15:56:00	17:18:00	1:22
18	28-01-2024	06:02:00	07:10:00	1:08
19		08:40:00	09:30:00	0:50
20		10:27:00	11:54:00	1:27
21		12:21:00	13:55:00	1:34
22		19:41:00	21:30:00	1:49
23	29-01-2024	08:26:00	09:54:00	1:28
24		10:18:00	11:24:00	1:06
25		12:20:00	13:41:00	1:21
26		14:46:00	16:18:00	1:32
27		17:02:00	18:48:00	1:46
28	30-01-2024	08:26:00	09:54:00	1:28
30		10:44:00	12:40:00	1:56
31		12:50:00	13:20:00	0:30
32		15:56:00	17:18:00	1:22
33		18:02:00	19:10:00	1:08
34	31-01-2024	19:40:00	20:30:00	0:50
35		08:55:00	09:50:00	0:55
36		10:34:00	11:53:00	1:19
37		12:50:00	13:40:00	0:50
38		15:56:00	17:18:00	1:22
39	01-02-2024	18:02:00	19:10:00	1:08
40		19:40:00	20:30:00	0:50
41		08:18:00	09:40:00	1:22
42		10:48:00	11:50:00	1:02
43		12:51:00	13:20:00	0:29
44		15:56:00	17:18:00	1:22
45		18:02:00	19:10:00	1:08
46		19:47:00	20:34:00	0:47

 Note: as per dpr work hr mention is 70hr. But in logsheet hr mention is 89.46hr. So classification require, approval hr is only 70hr.



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

Block:	MARDAH	Op unit Capacity	As per DPR:	1 cusec
			As per Site:	1 cusec
Scheme	GOVINDPUR KIRAT REORGANISATION WSS	Op unit Hours	As per DPR:	70
GP	NASARATPUR Z-5,T.W-1		As per Site:	89.46 Hrs
REQUIRED DISCHARGE	500	Compressor Testing Date :		16-08-2023
SI No	Date	Start Time	End Time	Total Hours
47	02-02-2024	08:55:00	10:16:00	1:21
48		10:44:00	11:55:00	1:11
49		12:40:00	13:50:00	1:10
50		15:56:00	17:26:00	1:30
51		18:12:00	19:30:00	1:18
52		19:40:00	21:10:00	1:30
53	03-02-2024	08:45:00	10:13:00	1:28
54		10:44:00	11:50:00	1:06
55		12:50:00	14:20:00	1:30
56		15:46:00	17:16:00	1:30
57		18:02:00	19:16:00	1:14
58		19:51:00	21:13:00	1:22
59	04-02-2024	08:35:00	10:00:00	1:25
60		10:44:00	11:57:00	1:13
61		12:42:00	14:12:00	1:30
62		15:46:00	17:18:00	1:32
63		18:12:00	19:23:00	1:11
64		19:40:00	21:02:00	1:22
65	05-02-2024	08:35:00	10:05:00	1:30
66		10:44:00	11:55:00	1:11
67		12:42:00	14:14:00	1:32
68		15:46:00	17:17:00	1:31
69		17:45:00	19:21:00	1:36
70		08:35:00	10:05:00	1:30
71	06-02-2024	10:44:00	11:56:00	1:12
72		15:56:00	17:18:00	1:22
73		18:02:00	19:10:00	1:08
74		19:47:00	20:34:00	0:47
Total			89:28	
Total (Hrs)			89.46 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		



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 E-mail : geo.instrument@outlook.com

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: 459

Dated: 15-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Nasratpur
 Block: Mardah
 District: Ghazipur
 State: Uttar Pradesh
 Date of Logging: 15-05-2023
 Drilling depth: 200.0 m bgl
 Logging Depth: 134.0 m bgl

Borehole Drilled by: M/s VSAIPPL-SCL (JV) Ghazipur , U.P. India.

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.	30 - 34	04	Good
2.	40 - 44	04	Good
3.	56 - 65	09 -6	Good
4.	78 - 88	10 -9	Good
5.	125 - 132	07 -6	Good

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

2. Zone Sl. No. 5 is highly intermixed with fine bands of kankar.

Verified as per logs provided
 For Geo Instruments & Technic's
 S. Shukla
 (S. Shukla)

G.Sh
 15/05/23

Proposed
 Scheme - Govindpur Kankar Zone - 5
 TW NO -
 Q = 500 LPM
 200 X 150
 60 + 102 + 18

