

M/S VSAIPPL-SMC JV, Ghazipur (U.P)
Actual Strata Chart of GOVINDPUR KIRAT REORGANISATION WSS, BLOCK -MARDAH, ZONE 3, GRAM PANCHAYAT - HARHARI
Under Jal Jivan Mission, District- Ghazipur(U.P.)

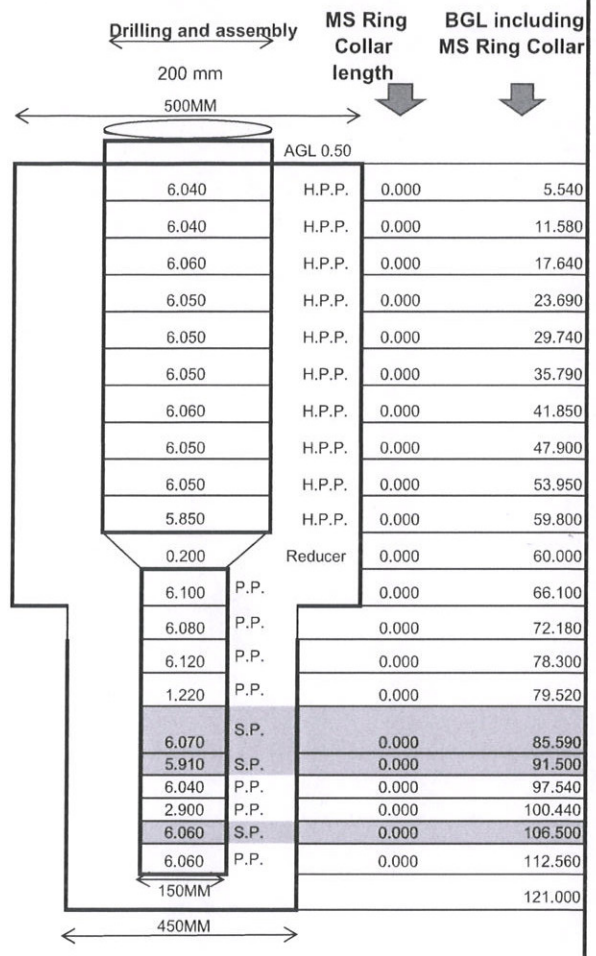
PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	6	Clay
2	6	12	Kankad Clay
3	12	25	Kankad
4	25	42	Kankad with Very Fine
5	42	64	Kankad Clay
6	64	108	Fine Sand with Kankad
7	108	136	Kankad
8	136	166	Very fine sand
9	166	185	Kankad

Logging Report

26-04-2023

S.N.	Depth Range	Thickn ess	Remark
1	25 28	3	Good
2	34 40	6	Good
3	67 71	4	Good
4	79 92	13	Good
5	100 107	7	Good

Note-
 1. All Zones intermixed with thin bands of kankar.
 2. The formation water is deteriorating from marginal to saline below 124 mbgl to till depth logged.



DETAILS	AS PER DPR	ACTUAL
1 Proposed Discharge	400.000 LPM	
2 Clear Depth of bore 600mm	0 Mbgl	
3 Clear Depth of bore 500mm	65 Mbgl	65.000 Mbgl
4 Clear Depth of bore 450mm	200 Mbgl	185.000 Mbgl
5 Plane pipe 300MM	0 m	0.000 m
6 Plane pipe 200MM	60 m	60.300 m
7 Plane pipe 150MM	102 m	34.520 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	18 m	18.040 m
12 Date of lowering		28/04/2023

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

Test Report of GP-Harhari, Block - Mardah, Scheme-Govindpur Kirat WSS, Developed by 250 PSI Compressor

Size of tube well (mm):	200	X	150	RPM	1400					
Static water level (m):	10.00									
Discharge by-90 'V' notch (Rectangular)	Date: of testing 21-06-2023									
Depth of TW (m):	112.560									
S. N.	Pressure in kg/cm ²		Depth of air line at the time of testing (m)	Discharge by 'V' Notch						
	Starting Pressure	Running Pressure		Inch	LPM	At start	After 5 min	After 10 min	After 15 min	After 20 min
1	8.90	8.20	101.00	6 1/2	917	5600	3100	2900	2700	2600
2	7.40	6.80	86.00	6	751	5200	2900	2700	2500	2400
3	6.80	6.30	80.00	5 3/4	675	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

(Nritish 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 Z-3	Compressor unit	As per DPR:	40
Block	Mardah	Hours	As per Site:	48:00
GP	Harhari	Cumm		
Lowering Depth(mtr):	112.560	Gravel(cum)	As per DPR:	45.342
		Cumm		
		Gravel(cum)	As per Site:	40.84

SI No	Date	Start Time	End Time	Total Hours	Remarks
1	12-Jun-23	7:18 AM	12:00 PM	4:42	
2	13-Jun-23	7:00 AM	11:20 AM	4:20	
3	14-Jun-23	8:00 AM	1:45 PM	5:45	
4	15-Jun-23	9:30 AM	2:00 PM	4:30	
5	16-Jun-23	9:34 AM	3:20 PM	5:46	
6	17-Jun-23	10:03 AM	3:00 PM	4:57	
7	18-Jun-23	7:18 AM	12:00 PM	4:42	
8	19-Jun-23	7:00 AM	1:03 PM	6:03	
9	20-Jun-23	8:00 AM	12:45 PM	4:45	
10	21-Jun-23	9:30 AM	12:00 PM	2:30	
			Total	48:00	

	<i>2d</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>Sen</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.)

Yeild Test Report of GP - Harhari, Zone 3, Block - Mardah, Scheme- Govindpur Kirat Reorganisation WSS by 1
Cusec O.P. Unit

Size of Ventury		4" X 3"		Column Pipe Lowered:		30.00					
Static water level(m):		12.00		Date:		07-05-2023					
S.N.	Discharge		Static Water Level (m)	Running Water Level (m)	Sand content in P.P.M.						
	Inch	LPM			At start	After 5 min	After 10 min	After 15 min	After 20 min		
1	30.00	871	12.00	17.00	5.00	600	300	250	200	100	
2	22.00	746	12.00	16.40	4.40	450	200	150	50	Tr	
3	18.00	674	12.00	16.10	4.10	150	100	Tr	Tr	Cl	
Remark-		Recommended discharge 400 L.P.M. at 4.1m depression after running 20 minute bypass.									



Company Repte.
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:		Op unit	As per DPR:	1 Cusec	
Block:	Mardah	Capacity	As per Site:	1 Cusec	
Scheme	Govindpur Kirat Reorganisation WSS	Op unit	As per DPR:	70	
Block	Mardah	Hours	As per Site:	88:00	
GP	Harhari Zone 3				
Lowering Depth(mtr):	112.560				
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	26-06-2023	8:40 AM	7:15 PM	10:35	
2	27-06-2023	9:20 AM	6:30 PM	9:10	
3	28-06-2023	8:50 AM	5:00 PM	8:10	
4	29-06-2023	8:00 AM	5:10 PM	9:10	
5	30-06-2023	7:30 AM	3:05 PM	7:35	
6	01-07-2023	7:50 AM	1:50 PM	6:00	
7	02-07-2023	7:00 AM	3:20 PM	8:20	
8	03-07-2023	8:40 AM	7:15 PM	10:35	
9	04-07-2023	9:20 AM	7:30 PM	10:10	
10	05-07-2023	10:00 AM	6:15 PM	8:15	
			Total	88:00	
					
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	Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi		



AllGeo Solutions

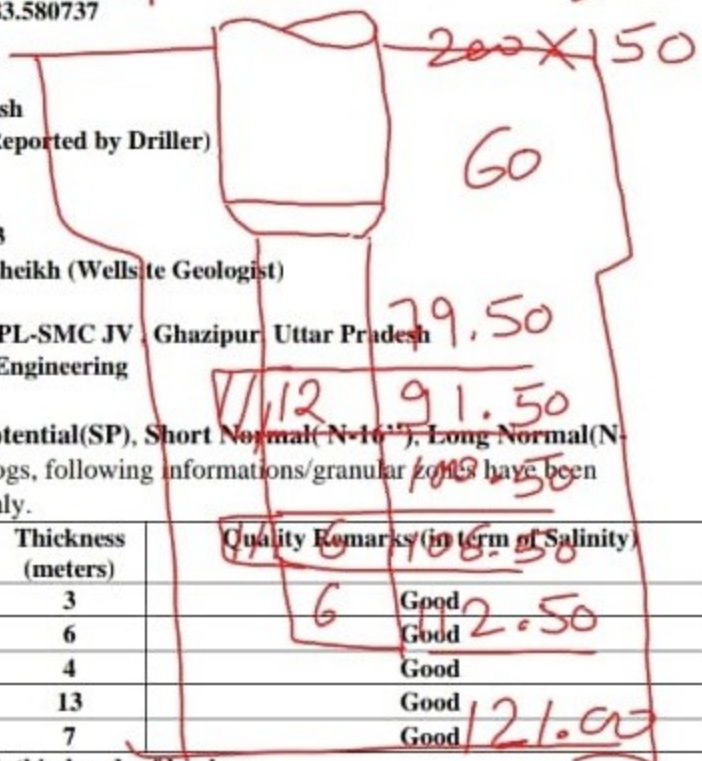
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Ref. No. : AGS/EL/2023/Get-10
Date : 27/04/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Harhari (Govindpur Kivrat Zone - 3)
 Location : 25.769911, 83.580737
 Block : Mardah
 District : Ghazipur
 State : Uttar Pradesh
 Drilling Depth : 215 Mbgl (Reported by Driller)
 Logging Depth : 185 Mbgl
 Rm/Rw : 13/12.5
 Date of Logging : 26-Apr-2023
 Logged By : Mr. Sadik Sheikh (Wellsite Geologist)
 Logger Make : GIT
 Tubewell Drilled By : M/S VSAIPPL-SMC JV Ghazipur Uttar Pradesh
 Representative : M/S Durga Engineering



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 (mbgl)	Thickness (meters)	Quality Remarks (in term of Salinity)
1	25-28	3	Good
2	34-40	6	Good
3	67-71	4	Good
4	79-92	13	Good
5	100-107	7	Good

Note: 1- All zones intermixed with thin bands of kankar.

2- The formation water is deteriorating from marginal to saline below 124 Mbgl to till depth logged.


 AllGeo Solutions
 Sanjeet Sharma
 (Hydrogeologist)