

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

Actual Strata Chart of GHARIHA VILLAGE WSS, BLOCK - MARDAH, GRAM PANCHAYAT - GHARIHA TW 1
Under Jal Jivan Mission, District- Ghazipur(U.P.)

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	10	Clay
2	10	24	Sandy Clay
3	24	72	Very Fine Sand with Kankad
4	72	112	Kankad with Very Fine Sand
5	112	156	Kankad
6	156	180	Very Fine Sand
7	180	187	Clay Kankad

		Drilling and assembly 300 mm 600MM	MS Ring Collar length	BGL including MS Ring Collar
		AGL 0.50	0	
6.010	P.P.		0.000	5.510
6.010	P.P.		0.000	11.520
6.010	P.P.		0.000	17.530
6.000	P.P.		0.000	23.530
6.000	P.P.		0.000	29.530
1.200	P.P.		0.000	30.730
3.000	S.P.		0.000	33.730
6.000	P.P.		0.000	39.730
2.500	P.P.		0.000	42.230
2.500	S.P.		0.000	44.730
6.000	P.P.		0.000	50.730
6.010	P.P.		0.000	56.740
6.010	P.P.		0.000	62.750
0.500	P.P.		0.000	63.250
6.500	S.P.		0.000	69.750
6.000	P.P.		0.000	75.750
				84.000

Logging Report





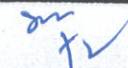
25/05/2023

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	16	20	4	Good
2	25	34	9	Good
3	42	45	3	Good
4	63	70	7	Good
5	107	110	3	Moderate
6	144	148	4	Moderate
7	163	167	4	Moderate

Note-

1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of ground water is deteriorating marginal to saline below 172.0 m bgl to till depth logged.
3. Please ensure pre-monsoon water level before lower the well assembly.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	570.000	LPM		
2	Clear Depth of bore 600mm	0	Mbgl	84.000	Mbgl
3	Clear Depth of bore 500mm	65	Mbgl	0.000	Mbgl
4	Clear Depth of bore 450mm	200	Mbgl	187.000	Mbgl
5	Plane pipe 300MM	0	m	64.250	m
6	Plane pipe 200MM	60	m	0.000	m
7	Plane pipe 150MM	90	m	0.000	m
8	Slotted pipe 300MM	0	m	12.000	m
9	Slotted pipe 200MM	0	m	0.000	m
10	Slotted pipe 150MM	30	m	0.000	m
11	Date of lowering			27/5/2023	

 Company Repre. M/S VSAIPPL-SMC	 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
--	--	---	--	--

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: 559

Dated: 26-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Ghariya
Block: Mardah
District: Ghazipur
State: Uttar Pradesh
Date of Logging: 25-05-2023
Drilling depth: 210.0 m bgl
Logging Depth: 187.0 m bgl
Rm - 13.0 Ω m Rw - 12.0 Ω m

Borehole Drilled by: M/s VSAIPPL, Ghazipur, Uttar Pradesh, 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.	16 - 20	04	Good
2.	25 - 34	09 - 3	Good
3.	42 - 45	03 - 2.50	Good
4.	63 - 70	07 - 6.50	Good
5.	107 - 110	03	Moderate
6.	144 - 148	04	Moderate
7.	163 - 167	04	Marginal

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

2. Quality of ground water is deteriorating marginal to saline below 172.0 m bgl to till depth logged.

3. Please ensure pre-monsoon water level before lower the well assembly.

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

G. Shukla
26/05/23

अधीक्षण अभियन्ता,
महोदय.

जल जीवन मिशन कार्यक्रम अन्तर्गत पेयजल योजना ब्लॉक - मरदह, ग्राम पंचायत - घरिहा TW 1. जनपद गाजीपुर में 200x150 एम0एम0 व्यास साइज के 200/180 मीटर गहरे नलकूप का निर्माण किया जाना है एवं उक्त नलकूप से 570 ली०प्र०मि० श्राव लिया जाना प्रस्तावित है।

अनुबन्ध सं०- 478/ED/PHASE 2/2022-23/X दिनांक 27.02.2023 के माध्यम से M/s VSAIPPL-SMC IV, District-Ghazipur द्वारा नलकूप निर्माण कार्य सम्पादित कराया जा रहा है। दिनांक 25.05.2023 को नलकूप के बोर की इलेक्ट्रिक लागिंग करायी गयी, जिसका विवरण निम्नानुसार है :-

Logging Report				PHYSICAL STRATA				
25/05/2023				S.No.	BGL in meter		Formation	
S.N.	Depth Range		Thickness		Remark	From		to
		From		to				
					1	0	10	Clay
1	16	20	4	Good	2	10	24	Sandy Clay
2	25	34	9	Good	3	24	72	Very Fine Sand with Kankad
3	42	45	3	Good	4	72	112	Kankad with Very Fine Sand
4	63	70	7	Good	5	112	156	Kankad
5	107	110	3	Moderate	6	156	180	Very Fine Sand
6	144	148	4	Moderate	7	180	187	Clay Kankad
7	163	167	4	Moderate				

Note-
1.Fine bands of kankar are intermixed with almost all the zones.
2.Quality of ground water is deteriorating marginal to saline below 172.0 m bgl to till depth logged.
3.Please ensure pre-monsoon water level before lower the well assembly.

अनुबन्ध में उपरोक्त नलकूप से 570 ली०प्र०मि० श्राव प्राप्त करने हेतु Enterance Velocity 0.015m/sec पर 30 मीटर स्लाटेड पाइप का प्राविधान किया गया है। इलेक्ट्रिक लागिंग के उपरान्त प्राप्त स्ट्रेटा के अनुसार अधिकतम 12 मीटर ही स्लाटेड पाइप डाली जा सकती है।

Physically encountered Strata एवं लागिंग रिपोर्ट का निरीक्षण करने पर पाया गया कि उक्त के अन्तर्गत Aquifer Very Fine sand with kankad का है एवं लागिंग रिपोर्ट के अनुसार केवल 12 मीटर स्लाटेड पाइप ही लोवर की जा सकती है, जिससे 570 ली०प्र०मि० श्राव प्राप्त किया जाना सम्भव नहीं है। ऐसी स्थिति में 150 मि०मी० स्लाटेड पाइप के स्थान पर 300 मि०मी० व्यास साइज की स्लाटेड पाइप का उपयोग किया जाय तो 12 मीटर की लम्बाई में Enterance area को बढ़ाकर आवश्यक वांछित श्राव प्राप्त करने का प्रयास किया जा सकता है। उल्लेखनीय है यदि 12 मीटर लम्बाई में 150 मि०मी० के स्थान पर 300 मि०मी० व्यास साइज की स्लाटेड पाइप का उपयोग किया जाय तो Opening entrance area 150 मि०मी० व्यास साइज के 24.00 मीटर पाइप के बराबर आयेगी, जो Aquifer structure के दृष्टिगत उचित होगा एवं वास्तविक श्राव यील्ड टेस्ट के उपरान्त डिप्रेषन की मानकों के गणना के दृष्टिगत स्पष्ट हो पायेगा। अनुबंध में निहित प्राविधान के अनुसार श्राव की प्रतिपूर्ति फर्म की स्वयं का उत्तर दायित्व में है, अतएव श्राव प्रतिपूर्ति न होने पर फर्म द्वारा द्वितीय नलकूप निर्माण कराते हुए पूरा किया जायेगा एवं भुगतान के संबंध में राज्य पेयजल स्वच्छता मिशन (एसडब्लू०एस०एम०) द्वारा सक्षम स्तर से स्वीकृति उपरान्त नियमानुसार किया जायेगा।

अतः प्राप्त एक्यूफर के दृष्टिगत 300x300 मि०मी० व्यास साइज के 75.75 मीटर गहरे नलकूप जिसमें 12 मीटर स्लाटेड पाइप का उपयोग किया जायेगा, आपको तकनीकी स्वीकृति हेतु संलग्न कर प्रेषित है। कृपया अनुमोदन करना चाहें।

संलग्नक- लागिंग रिपोर्ट की छायाप्रति

M/s VSAIPPL-SMC IV
District- Ghazipur

संगणक

जूनियर इंजीनियर

सहायक अभियन्ता

अधिशासी अभियन्ता

अधीक्षण अभियन्ता

VARIATION STATEMENT AGAINST C.A. NO-478/ED/PHASE-2/2022-23/X, Date- 27-02-2023

For Construction of 200/180 mts. deep 200 X 150 mm. dia assembly size T.W. by D.C. Rig Machine at Block - Mardah, Gram Panchayat - Ghariha TW1 & TW2 Water Supply Scheme in District - Ghazipur

Sl No	Item of work	Unit	Rate	Cost As Per Cover Agreement (200/180 mts. deep 200 X 150 mm. dia assembly size)		Actual Work Executed at Site due to adverse Geophysical Condition (187/75.75 mts. deep 300 X 300 mm. dia assembly size)	Actual Work Executed at Site due to adverse Geophysical Condition (183/166 mts. deep 200 X 200 mm. dia assembly size)	Cumulative Actual Work Executed at Site Ghariha TW1 & TW2	Cumulative Expenditure as per Actual Work Executed at Site Ghariha TW1 & TW2
				Qty	Amount (Rs)	Tubewell No 1 Qt	Tubewell No 2 Qt		
1	2	3	4	5	6	7	8	9	10
1	Transportation, Installation Dismantling of Rig machine and logging of bore hole.	Job	1,56,159.07	2	3,12,318.14	1.00	1.00	2.00	3,12,318.14
	Tubewell construction: Drilling of Borehole for Tubewell construction by DC/RC/DTH Rig Machine including transportation, erection, dismantling of Rig and associated T&P complete in all respect including required all material labour etc.			0	-	-	-	-	-
2	DC/RC Drilling up to 100 Mtr.			0	-	-	-	-	-
3	600 MMØ	Rmt	3,241.68	0	-	84.00	-	84.00	2,72,300.72
4	500 MMØ	Rmt	2,717.19	130	3,53,234.78	-	100.00	100.00	2,71,719.06
5	450 MMØ	Rmt	2,454.95	70	1,71,846.38	16.00	-	16.00	39,279.17
6	DC/RC Drilling from 100Mtr. To 200 Mtr.			0	-	-	-	-	-
	600 MMØ	Rmt	3,551.98	0	-	-	-	-	-
	500 MMØ	Rmt	3,033.75	0	-	-	83.00	83.00	2,51,800.98
	450 MMØ	Rmt	2,774.63	200	5,54,926.01	87.00	-	87.00	2,41,392.82
	DC/RC Drilling from 200 Mtr. To 300 Mtr.			0	-	-	-	-	-
	500 MMØ	Rmt	3,363.28	0	-	-	-	-	-
9	450 MMØ	Rmt	3,158.99	0	-	-	-	-	-
10	DC/RC Drilling from 300 Mtr. To 400 Mtr.			0	-	-	-	-	-
11	450 MMØ	Rmt	3,703.10	0	-	-	-	-	-
12	Tubwell Assembly:			0	-	-	-	-	-
13	MSERW plain pipe As per IS 4270			0	-	-	-	-	-
14	300 MMØ	Rmt	3,794.68	0	-	64.25	-	64.25	-
15	200 MMØ	Rmt	2,546.43	120	3,05,571.60	-	151.01	151.01	-
16	150 MMØ	Rmt	1,897.34	180	3,41,521.20	-	-	-	-
17	MSERW slotted pipe as per IS 8110			0	-	-	-	-	-
18	150 MMØ	Rmt	2,796.08	60	1,67,764.80	-	-	-	-
19	200 MMØ	Rmt	3,828.43	0	-	-	15.49	15.49	59,302.42
20	300 MMØ	Rmt	5,181.33	0	-	12.00	-	12.00	62,175.91
21	MS Borewell cap fixture including fitting charges			0	-	-	-	-	-
22	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure	Job	32,249.79	2	64,499.57	1.00	1.00	2.00	64,499.57
23	MS fittings such as ring & centre guide	Rmt	471.02	360	1,69,567.07	76.25	166.50	242.75	1,14,340.02
24	Lowering of Tube well Assembly: Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.			0	-	-	-	-	-
25	Lowering of MSERW Plain/Slotted Pipe up to 100 Mtr. Deep			0	-	-	-	-	-
26	300 MMØ MSERW Plane/Slotted Pipe	Rmt	489.31	0	-	75.75	-	75.75	37,065.54
	200 MMØ MSERW Plane/Slotted Pipe	Rmt	389.45	120	46,734.48	-	100.00	100.00	38,945.40
	150 MMØ MSERW Plane/Slotted Pipe	Rmt	385.46	80	30,836.77	-	-	-	-
29	Lowering of MSERW Plane/Slotted Pipe from 100 Mtr. To 200 Mtr. Deep			0	-	-	-	-	-
30	150 MMØ MSERW Plane/Slotted Pipe	Rmt	442.38	160	70,780.77	-	-	-	-
31	200 MMØ MSERW Plane/Slotted Pipe	Rmt	589.97	0	-	-	66.00	66.00	38,938.21
32	300 MMØ MSERW Plane/Slotted Pipe	Rmt	881.17	0	-	-	-	-	-
	Total Amount				25,89,601.58				24,32,422.56
	Say				25,89,602.00				24,32,423.00

Net Savings Amount Rs. 1,57,179.00
Net Savings In Percentage 6.07%

(Company Rep.)

(TPIA Rep.)


Computer


Junior Engineer


Ass. Engineer


Div. Accountant


Ex. Engineer


Sup. Engineer

M/S VSAIPPL-SMC JV, Ghazipur

Medhaj Techno Concept Pvt. Ltd., Ghazipur

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

Circle Office(E/M),UPJN, VNS

VARIATION STATEMENT AGAINST C.A. NO-478/ED/PHASE-2/2022-23/X, Date- 27-02-2023

For Construction of 187/75.75 mts. deep 300 X 300 mm. dia assembly size T.W. inspite of 200/180 mts. deep 200 X 150 mm. dia assembly size T.W. by D.C. Rig Machine at Block - Mardah, Gram Panchayat - Ghariha TW
1 Water Supply Scheme in District - Ghazipur

SL No	Item of work	Unit	Rate	Cost As Per Cover Aggrement (200/180 mts. deep 200 X 150 mm. dia assembly size)		Expenditure as per Actual Work Executed at Site due to adverse Geophysical Condition (187/75.75 mts. deep 300 X 300 mm. dia assembly size)	
				Qty	Amount (Rs)	Qty	Amount (Rs)
1	2	3	4	5	6	7	8
1	Transportation, Installation Dismantling of Rig machine and logging of bore hole.	Job	156,159.07	1	156,159.07	1	156,159.07
	Tubewell construction: Drilling of Borehole for Tubewell construction by DC/RC/DTH Rig Machine including transportaion, erection, dismantling of Rig and associated T&P complete in all respect including required all material labour etc.				-		-
2	DC/RC Drilling up to 100 Mtr.				-		-
3	600 MMØ	Rmt	3,241.68		-	84	272,300.72
4	500 MMØ	Rmt	2,717.19	65	176,617.39		-
5	450 MMØ	Rmt	2,454.95	35	85,923.19	16	39,279.17
6	DC/RC Drilling from 100Mtr. To 200 Mtr.				-		-
	600 MMØ	Rmt	3,551.98		-		-
	500 MMØ	Rmt	3,033.75		-		-
7	450 MMØ	Rmt	2,774.63	100	277,463.01	87	241,392.82
8	DC/RC Drilling from 200 Mtr. To 300 Mtr.				-		-
	500 MMØ	Rmt	3,363.28		-		-
9	450 MMØ	Rmt	3,158.99		-		-
10	DC/RC Drilling from 300 Mtr. To 400 Mtr.				-		-
11	450 MMØ	Rmt	3,703.10		-		-
12	Tubewell Assembly:				-		-
13	MSERW plain pipe As per IS 4270				-		-
14	300 MMØ	Rmt	3,794.68		-	64.25	243,808.19
15	200 MMØ	Rmt	2,546.43	60	152,785.80		-
16	150 MMØ	Rmt	1,897.34	90	170,760.60		-
17	MSERW slotted pipe as per IS 8110				-		-
18	150 MMØ	Rmt	2,796.08	30	83,882.40		-
19	200 MMØ	Rmt	3,828.43		-		-
20	300 MMØ	Rmt	5,181.33		-	12.00	62,175.91
21	MS Borewell cap fixture including fitting charges				-		-
22	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure.	Job	32,249.79	1	32,249.79	1	32,249.79
23	MS fittings such as ring & centre guide	Rmt	471.02	180	84,783.54	76.25	35,915.25
24	Lowering of Tube well Assembly: Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.				-		-
25	Lowering of MSERW Plain/Slotted Pipe up to 100 Mtr. Deep				-		-
26	300 MMØ MSERW Plane/Slotted Pipe	Rmt	489.31		-	75.75	37,065.54
27	200 MMØ MSERW Plane/Slotted Pipe	Rmt	389.45	60	23,367.24		-
28	150 MMØ MSERW Plane/Slotted Pipe	Rmt	385.46	40	15,418.38		-
29	Lowering of MSERW Plane/Slotted Pipe from 100 Mtr. To 200 Mtr. Deep				-		-
30	150 MMØ MSERW Plane/Slotted Pipe	Rmt	442.38	80	35,390.38		-
31	200 MMØ MSERW Plane/Slotted Pipe	Rmt	589.97		-		-
32	300 MMØ MSERW Plane/Slotted Pipe	Rmt	881.17		-		-
	Total Amount				1,294,800.79		1,120,346.46
	Say				1,294,801.00		1,120,346.00

Net Savings Amount Rs. 174,455.00
Net Savings In Percentage 13.47%


(Company Rep.)

(TPIA Rep.)


(Computer)


(Junior En

Ass. Engineer


Div. Accountant


Ex. Engineer

Sup. Engineer
Circle office
(E/M), UPJN, Vns

M/S VSAIPPL-SMC JV, Ghazipur

Medhaj Techno Concept Pvt. Ltd., Ghazipur

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

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

Actual Strata Chart of GHARIHA VILLAGE WSS, BLOCK - MARDAH, GRAM PANCHAYAT - GHARIHA TW 1

Under Jal Jivan Mission, District- Ghazipur (U.P.)

PHYSICAL STRATA			
S.No	BGL in meter		Formation
	From	to	
1	0	10	Clay
2	10	24	Sandy Clay
3	24	72	Very Fine Sand with Kankad
4	72	112	Kankad with Very Fine Sand
5	112	156	Kankad
6	156	180	Very Fine Sand
7	180	187	Clay Kankad

Drilling and assembly 300 mm 600MM		MS Ring Collar length	BGL including MS Ring Collar
		AGL 0.50	0
6.010	P.P.	0.000	5.510
6.010	P.P.	0.000	11.520
6.010	P.P.	0.000	17.530
6.000	P.P.	0.000	23.530
6.000	P.P.	0.000	29.530
1.200	P.P.	0.000	30.730
3.000	S.P.	0.000	33.730
6.000	P.P.	0.000	39.730
2.500	P.P.	0.000	42.230
2.500	S.P.	0.000	44.730
6.000	P.P.	0.000	50.730
6.010	P.P.	0.000	56.740
6.010	P.P.	0.000	62.750
0.500	P.P.	0.000	63.250
6.500	S.P.	0.000	69.750
6.000	P.P.	0.000	75.750
			84.000

Logging Report

25/05/2023

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	16	20	4	Good
2	25	34	9	Good
3	42	45	3	Good
4	63	70	7	Good
5	107	110	3	Moderate
6	144	148	4	Moderate
7	163	167	4	Moderate

Note:-

- 1 Fine bands of kankar are intermixed with almost all the zones.
- 2 Quality of ground water is deteriorating marginal to saline below 172.0 m bgl. to till depth logged
- 3 Please ensure pre-monsoon water level before lower the well assembly.

DETAILS

S.No	Proposed Discharge	AS PER DPR		ACTUAL	
		LPM	Mbgl	Mbgl	m
1	Proposed Discharge	570.000	LPM		
2	Clear Depth of bore 600mm	0	Mbgl	84.000	Mbgl
3	Clear Depth of bore 500mm	65	Mbgl	0.000	Mbgl
4	Clear Depth of bore 450mm	200	Mbgl	187.000	Mbgl
5	Piave pipe 300MM	0	m	64.250	m
6	Piave pipe 200MM	60	m	0.000	m
7	Piave pipe 150MM	90	m	0.000	m
8	Slotted pipe 300MM	0	m	12.000	m
9	Slotted pipe 200MM	0	m	0.000	m
10	Slotted pipe 150MM	30	m	0.000	m
11	Date of lowering			27/5/2023	

Company Representative
M/S VSAIPPL-SMC

TPIA
Medhaj Techno Concept Pvt. Ltd., Ghazipur

(A. Srivastava)
Junior Engineer
Division Office (E/M), U.P. Jal Nigam (Rural), Varanasi

(Nitesh Kumar)
Assistant Engineer

(Adarsh Verma)
Exe. Engineer

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 Ghariya Reorganisation WSS, Block-Mardha Development By 250 PSI Air Compressor

Size of tube well (mm): 300 X 300 RPM 1400

Static water level (m): 6.90 Discharge by-90 'V' notch (Rectangular)

Depth of TW (m): 75.750 Required Discharge- 570 LPM Date of testing 09-12-2023

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	5.50	4.60	0.90	9.00	64.00	7 1/4	1205	6400	3500	3300	3100	3000
2	3.40	2.80	0.60	6.00	43.00	6 1/4	831	4700	2700	2500	2300	2200
3	2.20	1.70	0.50	5.00	31.00	6	751	4701	2700	2500	2300	2200

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

()
Company Repre.

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

()
(Abhishek Srivastava)

TPIA
Medhaj Techno Concept Pvt.
Ltd., Ghazipur

()
(Nitish Kumar)

Junior Engineer
Assistant Engineer

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

()
(Adarsh Verma)

Executive Engineer





Latitude - 25.87402 Longitude - 83.615845

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

Job Code:		Compressor unit	As per DPR:	400 PSI
Block:	Mardha	Capacity	As per Site:	250 PSI
Scheme	Ghariya village WSS	Compressor unit	As per DPR:	40.00
GP	Ghariya P.W-1	Hours	As per Site:	49.85 Hrs
Lowering Depth(mtr):	75.750	Cumm Gravel(cumt)	As per DPR:	46.00
Lowering Date :	27-May-23	Cumm Gravel(cumt)	As per Site:	42.99
Discharge	570LPM			

SI No	Date	Start Time	End Time	Total Hours	Remarks
1	10-Feb-24	07:39:00	08:20:00	0:41	
2		10:10:00	11:10:00	1:00	
3		13:00:00	13:38:00	0:38	
4		13:50:00	15:00:00	1:10	
5		16:10:00	17:19:00	1:09	
6	11-Feb-24	07:34:00	08:54:00	1:20	
7		10:10:00	11:20:00	1:10	
8		12:00:00	13:19:00	1:19	
9		14:10:00	15:14:00	1:04	
10		16:20:00	17:22:00	1:02	
11	12-Feb-24	07:39:00	08:43:00	1:04	
12		10:07:00	11:39:00	1:32	
13		12:04:00	13:38:00	1:34	
14		14:20:00	15:30:00	1:10	
15		16:00:00	17:20:00	1:20	
16	13-Feb-24	07:29:00	08:10:00	0:41	
17		10:00:00	11:10:00	1:10	
18		12:00:00	13:30:00	1:30	
19		14:00:00	15:30:00	1:30	
20		16:00:00	17:20:00	1:20	
21	14-Feb-24	08:29:00	09:54:00	1:25	
22		10:00:00	11:30:00	1:30	
23		13:00:00	14:25:00	1:25	
24		16:20:00	17:30:00	1:10	
25		18:00:00	19:30:00	1:30	
26	15-Feb-24	09:00:00	10:10:00	1:10	
27		11:00:00	12:26:00	1:26	
28		14:00:00	15:29:00	1:29	
29		16:00:00	17:30:00	1:30	
30		18:29:00	19:34:00	1:05	
31	16-Feb-24	10:00:00	11:10:00	1:10	
32		12:00:00	12:56:00	0:56	
33		13:30:00	14:40:00	1:10	
34		15:00:00	16:02:00	1:02	
35		17:00:00	18:19:00	1:19	
36	17-Feb-24	08:00:00	09:32:00	1:32	
37		10:10:00	11:38:00	1:28	
38		13:30:00	14:50:00	1:20	
39		15:20:00	16:45:00	1:25	
40		17:30:00	18:55:00	1:25	

Total 49:51
Total (Hrs) 49.85 Hrs

			
Site Incharge	TPIA	Junior Engineer	Assistant 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 hrs mentiond is 40 hr But in log that hrs mentiond is 49.85hr. So clarification require. approx hrs is only 40hr

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 Ghariya Tubewell under Mardah reorganisation WSS, Block-Mardah by 1

Cusec O.P. Unit

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

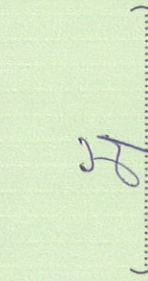
Static water level(m): 7.00 Required Discharge(LPM)- 570 LPM Date: 04-03-2024

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	55.00	1173	16.20	9.20	750	300	250	150	100
2	22.00	746	12.30	5.30	400	200	150	100	50
3	13.00	572	11.50	4.50	100	50	Tr	Tr	Cl

Remark- Recommended discharge 570 LPM L.P.M. at 4.5 m depression after running 20 minute bypass.


(.....)

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


(.....)
TPIA

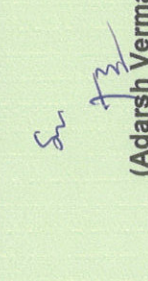
Medhaj Techno Concept Pvt.
Ltd., Ghazipur


(Abhishek Srivastava)
Junior Engineer

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


(Nitish Kumar)
Assistant Engineer

Executive Engineer


(Adarsh Verma)
Executive Engineer

Latitude - 25.874402 Longitude - 83.615845




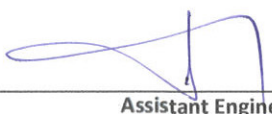
M/S VSAIPPL-SMC JV, Ghazipur (U.P)					
Block:	MARDAH	Op unit Capacity	As per DPR: As per Site:	1 cusec 1 cusec	
Scheme	GHARIYA VILLAGE WSS	Op unit Hours	As per DPR:	70	
GP	GHARIYA VILLAGE WSS T-1		As per Site:	89.93 Hrs	
Discharge	570 LPM	Compressor Testing Date :			09-12-2023
SI No	Date	Start Time	End Time	Total Hours	Remarks
1		10:34:00	11:53:00	1:19	
2		12:50:00	13:20:00	0:30	
3	20-02-2024	15:56:00	17:18:00	1:22	
4		18:02:00	19:10:00	1:08	
5		19:40:00	20:30:00	0:50	
6		8:15:00	9:40:00	1:25	
7		10:44:00	11:50:00	1:06	
8	21-02-2024	12:50:00	13:20:00	0:30	
9		15:56:00	17:18:00	1:22	
10		18:02:00	19:10:00	1:08	
11		19:40:00	20:34:00	0:54	
12		08:15:00	09:40:00	1:25	
13	22-02-2024	10:45:00	11:50:00	1:05	
14		12:50:00	13:20:00	0:30	
15		15:56:00	17:18:00	1:22	
16		19:41:00	20:34:00	0:53	
17		08:55:00	09:50:00	0:55	
18	23-02-2024	10:34:00	11:53:00	1:19	
19		12:50:00	13:20:00	0:30	
20		15:56:00	17:18:00	1:22	
21		19:40:00	20:30:00	0:50	
22		08:15:00	09:40:00	1:25	
23	24-02-2024	10:45:00	11:50:00	1:05	
24		12:50:00	13:20:00	0:30	
25		15:56:00	17:18:00	1:22	
26		19:41:00	20:34:00	0:53	
27		8:25:00	9:54:00	1:29	
28	25-02-2024	10:24:00	11:54:00	1:30	
29		12:20:00	13:40:00	1:20	
30		14:46:00	16:16:00	1:30	
31		17:02:00	18:45:00	1:43	
32		19:40:00	21:30:00	1:50	
33		22:10:00	23:30:00	1:20	
34		0:10:00	1:45:00	1:35	
35	26-02-2024	8:45:00	9:40:00	0:55	
36		10:44:00	11:50:00	1:06	
37		12:50:00	13:20:00	0:30	
38		15:56:00	17:18:00	1:22	
39		18:02:00	19:10:00	1:08	
40		19:40:00	20:30:00	0:50	
41		8:55:00	9:50:00	0:55	
42	27-02-2024	10:34:00	11:53:00	1:19	
43		12:50:00	13:20:00	0:30	
44		15:56:00	17:18:00	1:22	
45		18:02:00	19:10:00	1:08	
46		19:40:00	20:30:00	0:50	
47		8:15:00	9:40:00	1:25	
48	28-02-2024	10:44:00	11:50:00	1:06	
49		12:50:00	13:20:00	0:30	
50		15:56:00	17:18:00	1:22	
51		18:02:00	19:10:00	1:08	
52		19:40:00	20:34:00	0:54	
53		8:55:00	10:16:00	1:21	
54	29-02-2024	10:44:00	11:55:00	1:11	
55		12:40:00	13:50:00	1:10	
56		15:56:00	17:26:00	1:30	
57		18:12:00	19:20:00	1:08	
58		19:40:00	21:10:00	1:30	

SP ✓

Note: as per dpr weekly hr mentiond is 70hr But in leyst hr mentiond is 89-93hr so clarification requir. approp hr is only 70hr

SP

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

Block:	MARDAH	Op unit Capacity	As per DPR:	1 cusec
			As per Site:	1 cusec
Scheme	GHARIYA VILLAGE WSS	Op unit Hours	As per DPR:	70
GP	GHARIYA VILLAGE WSS		As per Site:	89.93 Hrs
Discharge	570 LPM	Compressor Testing Date :		09-12-2023
SI No	Date	Start Time	End Time	Total Hours
59	01-03-2024	8:45:00	10:10:00	1:25
60		10:44:00	11:50:00	1:06
61		12:50:00	14:20:00	1:30
62		15:46:00	17:16:00	1:30
63		18:02:00	19:10:00	1:08
64		19:50:00	21:10:00	1:20
65	02-03-2024	8:35:00	10:01:00	1:26
66		10:44:00	11:55:00	1:11
67		12:42:00	14:12:00	1:30
68		15:46:00	16:16:00	0:30
69		18:12:00	19:20:00	1:08
70		19:40:00	21:00:00	1:20
71	03-03-2024	8:35:00	10:05:00	1:30
72		10:44:00	11:55:00	1:11
73		12:42:00	14:12:00	1:30
74		15:46:00	17:16:00	1:30
75		18:12:00	19:20:00	1:08
76	04-03-2024	8:35:00	10:05:00	1:30
77		10:44:00	11:50:00	1:06
			Total	89:56
			Total (Hrs)	89.93 Hrs
				
Site Incharge		TPIA	Junior Engineer	Assistant 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		