

M/S VSAIPPL-SMC JV, Ghazipur (U.P)
Actual Strata Chart of ARSADPUR(JANGIPUR) REORGANISATION WSS,BLOCK - BIRNO,ZONE 11,GRAM - PANCHAYAT -MANNPUR TW 1
 Under Jal Jeevan Mission,District- Ghazipur(U.P.)

PHYSICAL STRATA				Drilling and assembly 300 MM 600MM		MS Ring Collar length	BGL including MS Ring Collar
S.No	BGL in meter		Formation	P.P.	S.P.	AGL 0.50	0
	From	to					
1	0	10	Clay	6.010	P.P.		0.000
2	10	15	Clay with Kankad	6.020	P.P.		0.000
3	15	21	Kankad with Clay	6.010	P.P.		0.000
4	21	48	Very Fine Sand with Kankad	6.010	P.P.		0.000
5	48	66	Clay Kankad	6.010	P.P.		0.000
6	66	90	Very Fine Sand with Kankad	6.000	P.P.		0.000
7	90	154	Kankad Clay	2.700	P.P.		0.000
				4.400	S.P.		0.000
				2.090	S.P.		0.000
				3.000	P.P.		0.000
							53.000

Logging
Date-18.06.2023

S.N.	Depth Range		Thickn ess	Remark
	From	to		
1	22	26	4	Good
1	29	35	6	Good
2	38	45	7	Good

Note-
 1.Fine Band of Kankar are intermixed with almost all the zones.
 2.Quality of ground water is deteriorating marginal to saline below 58 mbgl to till depth logged.
 3.Please ensure pre-monsoon water level before lower the well assembly.

DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	480.000	LPM		
2	Cear Depth of bore 600mm	0	Mbgl	53.000	Mbgl
3	Cear Depth of bore 500mm	65	Mbgl	0.000	Mbgl
4	Clear Depth of bore 450mm	360	Mbgl	154.000	Mbgl
5	Plane pipe 300MM	0	m	41.760	m
6	Plane pipe 200MM	60	m	0.000	m
7	Plane pipe 150MM	252	m	0.000	m
8	Slotted pipe 300MM	0	m	6.490	m
9	Slotted pipe 200MM	0	m	0.000	m
10	Slotted pipe 150MM	18	m	0.000	m
11	Date of lowering			08.07.2023	



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

(Signature) (A.Srivastava) Junior Engineer
(Signature) (Nitish Kumar) Assistant Engineer
(Signature) (Adarsh Verma) Exe. Engineer
 Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi

INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

GIT:UP: PJM:23-24:LS: 815

ad: 19-06-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Maanpur Zone - 11
Block: Birno
District: Ghazipur
State: Uttar Pradesh
Date of Logging: 18-06-2023
Drilling depth: 205.0 m bgl
Logging Depth: ~~154.0 m bgl~~
Rm - ~~12.0 Ω m~~ Rw - ~~14.0 Ω m~~

Borehole Drilled by: M/s VSAIPPL-SCL (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 formations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	22 - 26	04	Good
2.	29 - 35	06	Good
3.	38 - 45	07 - 6.50	Good

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

2. Quality of ground water is deteriorating marginal to saline below 58.0 m bgl to till depth logged.

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

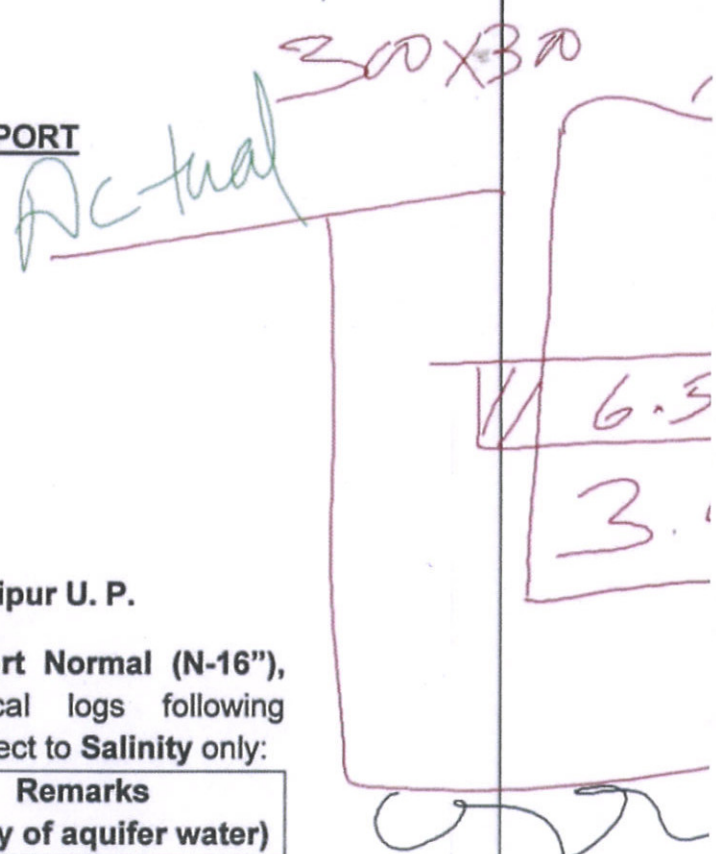
verified as per logs provided

G.S.K.
20/06/23

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

D1
Q = 4
60 + 2
200



अधीक्षण अभियन्ता,
महोदय.

जल जीवन मिशन कार्यक्रम अन्तर्गत पेयजल योजना ब्लॉक-अरसादपुर (जंगीपुर), जोन 11, ग्राम पंचायत - मानपुर TW1. जनपद गाजीपुर में 200x150 एम0एम0 व्यास साइज के 360/330 मीटर गहरे नलकूप का निर्माण किया जाना है एवं उक्त नलकूप से 480 ली०प्र०मि० श्राव लिया जाना प्रस्तावित है। अनुबन्ध सं०- 475/ED/PHASE 2/2022-23/VII दिनांक 27.02.2023 के माध्यम से M/s VSAIPPL-SMC IV, District-Ghazipur द्वारा नलकूप निर्माण कार्य सम्पादित कराया जा रहा है। दिनांक 18.06.2023 को नलकूप के बोर की इलेक्ट्रिक लागिंग करायी गयी, जिसका विवरण निम्नानुसार है :-

S.N.	Depth Range		Thicknes s	Remark	PHYSICAL STRATA			
	From	to			S.No.	BGL in meter		Formation
					From	to		
1	22	26	4	Good				
1	29	35	6	Good	1	0	10	Clay
2	38	45	7	Good	2	10	15	Clay with Kankad
Note- 1. Fine Band of Kankar are intermixed with almost all the zones. 2. Quality of ground water is deteriorating marginal to saline below 58 mbgl to till depth logged. 3. Please ensure pre-monsoon water level before lower the well assembly.					3	15	21	Kankad with Clay
					4	21	48	Very Fine Sand with Kankad
					5	48	66	Clay Kankad
					6	66	90	Very Fine Sand with Kankad
					7	90	154	Kankad Clay

अनुबन्ध में उपरोक्त नलकूप से 480 ली०प्र०मि० श्राव प्राप्त करने हेतु Enterance Velocity 0.015m/sec पर 18 मीटर स्लाटेड पाइप का प्राविधान किया गया है। इलेक्ट्रिक लागिंग के उपरान्त प्राप्त स्ट्रेटा के अनुसार अधिकतम 6.5 मीटर ही स्लाटेड पाइप डाली जा सकती है।

Physically encountered Strata एवं लागिंग रिपोर्ट का निरीक्षण करने पर पाया गया कि उक्त के अन्तर्गत Very Fine sand with kankad का है एवं लागिंग रिपोर्ट के अनुसार केवल 6.5 मीटर स्लाटेड पाइप ही लोवर की जा सकती है, जिससे 480 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 6.5 मीटर की लम्बाई में Enterance area को बढ़ाकर आवश्यक वांछित श्राव प्राप्त करने का प्रयास किया जा सकता है। उल्लेखनीय है यदि 6.5 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 13.00 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। अनुबन्ध 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 (एसडब्ल्यूएस०एम०) द्वारा सक्षम स्तर से स्वीकृति उपरान्त नियमानुसार किया जायेगा।

अतः प्राप्त एक्वफर के दृष्टिगत 300x300 मि०मी० व्यास साइज के 48 मीटर गहरे नलकूप जिसमें 6.5 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 JV
District - Ghazipur


संगणक


जूनि० इंजी०


सहायक अभियन्ता


अधिशासी अभियन्ता


अधीक्षण अभियन्ता

VARIATION STATEMENT AGAINST C.A. NO-475/ED/PHASE-2/2022-23/VII, Date- 27-02-2023

For Construction of 154/47.75 mts. deep 300 X 300 mm. dia assembly size T.W. inspite of 360/330 mts. deep 200 X 150 mm. dia assembly size T.W. by D.C. Rig Machine at Block - Birno, Zone 11, Gram Panchayat - Mannpur
TW1 Water Supply Scheme in District - Ghazipur

Sl No	Item of work	Unit	Rate	Cost As Per Cover Aggrement (360/330 mts. deep 200 X 150 mm. dia assembly size)		Expenditure as per Actual Work Executed at Site due to adverse Geophysical Condition (154/47.75 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 transportal, 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		-	53	171,808.79
4	500 MMØ	Rmt	2,717.19	65	176,617.39		-
5	450 MMØ	Rmt	2,454.95	35	85,923.19	47	115,382.57
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	54	149,830.02
8	DC/RC Drilling from 200 Mtr. To 300 Mtr.				-		-
	500 MMØ	Rmt	3,363.28		-		-
9	450 MMØ	Rmt	3,158.99	100	315,899.12		-
10	DC/RC Drilling from 300 Mtr. To 400 Mtr.				-		-
11	450 MMØ	Rmt	3,703.10	60	222,185.90		-
12	Tubwell Assembly:				-		-
13	MSERW plain pipe As per IS 4270				-		-
14	300 MMØ	Rmt	3,794.68		-	41.76	158,465.84
15	200 MMØ	Rmt	2,546.43	60	152,785.80		-
16	150 MMØ	Rmt	1,897.34	252	478,129.68		-
17	MSERW slotted pipe as per IS 8110				-		-
18	150 MMØ	Rmt	2,796.08	18	50,329.44		-
19	200 MMØ	Rmt	3,828.43		-		-
20	300 MMØ	Rmt	5,181.33		-	6.49	33,626.81
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	330	155,436.48	48.25	22,726.70
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		-	47.75	23,364.74
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	100	44,237.98		-
31	200 MMØ MSERW Plane/Slotted Pipe	Rmt	589.97		-		-
32	300 MMØ MSERW Plane/Slotted Pipe	Rmt	881.17		-		-
33	Lowering of MSERW Plane/Slotted Pipe from 200 Mtr. To 300 Mtr. Deep				-		-
34	150 MMØ MSERW Plane/Slotted Pipe	Rmt	569.55		-		-
35	200 MMØ MSERW Plane/Slotted Pipe	Rmt	678.69	100	67,868.85		-
36	300 MMØ MSERW Plane/Slotted Pipe	Rmt	896.96		-		-
37	Lowering of MSERW Plane/Slotted Pipe from 300 Mtr. To 400 Mtr. Deep				-		-
38	150 MMØ MSERW Plane/Slotted Pipe	Rmt	426.53	30	12,795.90		-
	Total Amount				2,266,867.23		863,614.32
	Say				2,266,867.00		863,614.00

Net Savings Amount Rs. 1,403,253.00
Net Savings In Percentage 61.90%



M/S VSAIPP SMC JV, Ghazipur

[Signature]
(TPIA Rep.)

Medhaj Techno Concept Pvt. Ltd., Ghazipur

[Signature]
(Computer) (Junior Ass. Engineer)

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

[Signature]
Div. Accountant

[Signature]
Ex. Engineer

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

[Signature]
अधीक्षण अभियन्ता
मण्डल कार्यालय (वि०/याँ०)
उ०प्र० जल निगम (ग्रामीण)
वाराणसी।

ESTIMATE FOR
MANPUR AND BABU RAIPUR GRAM PANCHAYAT WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- VIRNO, DISTRICT- GHAZIPUR
Estimate of Cost of Tubewell construction

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
1	Drilling of Borehole for Tube well 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 labor etc.									As per RFP.
1.1	Transportation, Installation Dismantling of Rig machine and logging of bore hole					2	1,56,378	Job	3,12,756	
1.2	DC/RC Drilling up to 100Mtr.									
1.2.1	500 MMØ					130	2,721	Rmt	3,53,730	
1.2.2	450 MMØ					70	2,458	Rmt	1,72,087	
1.3	DC/RC Drilling from 101 Mtr. To 200 Mtr.Deep									
1.3.1	450 MMØ					200	2,779	Rmt	5,55,704	
1.3.2	Development / Flushing of tubewell						2,900	Hrs	-	
1.4	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep									
1.4.1	450 MMØ					200	3,163	Rmt	6,32,684	
1.5	DC/RC Drilling from 301 Mtr. To 400 Mtr.Deep & above									
1.5.1	450 MMØ					120	3,708	Rmt	4,44,995	
1.4	Tube Well Assembly								-	
1.4	MSERW plain pipe,As per IS 4270								-	
1.4.1	200 MMØ					120	2,550	Rmt	3,06,000	
1.4.2	150 MMØ					504	1,900	Rmt	9,57,600	
1.5	MSERW Pipe slotted pipe as per IS 8110									
1.5.1	300 MMØ					0	5,189	Rmt	-	
1.5.2	150 MMØ					36	2,800	Rmt	1,00,800	
1.5.2	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure					2	32,295	LS	64,590	
1.5.3	MS fittings such as ring & centre guide					660	472	Rmt	3,11,309	
2.0	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.									As per RFP.
2.1	Lowering up to 100 Mtr. Deep									
2.1.1	300 MMØ MSERW Plane/Slotted Pipe					120	490	Rmt	58,800	
2.1.2	200 MMØ MSERW Plane/Slotted Pipe					80	390	Rmt	31,200	
2.2	Lowering from 101 Mtr. To 200 Mtr. Deep									
2.2.1	200 MMØ MSERW Plane/Slotted Pipe					200	591	Rmt	1,18,160	
2.3	Lowering from 201 Mtr. To 300 Mtr. Deep									
2.3.1	200 MMØ MSERW Plane/Slotted Pipe					200	680	Rmt	1,35,928	
2.4	Lowering from 301 Mtr. To 400 Mtr. Deep & above									
2.4.1	200 MMØ MSERW Plane/Slotted Pipe					60	499	Rmt	29,940	
2.5	Supplying and unconsolidated packing of gravel with suitable size					159.00	7,500	Cum	11,92,500	As per RFP.
3.0	Development of Tube well									As per RFP.
3.1	Transportation, Installation Dismantling of 250/400/600 PSI Compressor					2	92,152	Job	1,84,304	
3.2	Charges for Development by 600 PSI Compressor per hour					120	4,214	Hrs	5,05,662	
3.3	Transportation, Installation Dismantling of 1/3 Cusec OP Unit and Yield test, water test					2	1,05,237	Job	2,10,474	
3.4	Charges for Development of TW by 1 cusec OP Unit					200	994	Hr.	1,98,886	
	Total								68,78,109	
								Say (In Lacs)	68.78	

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-Mannpur TW1 ,Zone 11 ,Block - Birno, Scheme- Arsadpur(Jangipur) Reorganisation WSS, Developed by 250 PSI Compressor

Size of tube well (mm):	300	X	300	RPM	1300					
Static water level (m):	10.00									
Discharge by -90 'V' notch (Rectangular)	Date: of testing 17-08-2023									
Depth of T/W (m):	47.750									
S. N.	Pressure in kg/cm2		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	3.20	2.50	44.00	7	1104	At start 6200	After 5 min 3400	After 10 min 3200	After 15 min 3000	After 20 min 2900
2	2.70	2.20	39.00	6 1/4	831	5000	2800	2600	2400	2300

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



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

(Abhishek Srivastava)
Junior Engineer

(Nirish 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	MANNPURPUR TW1, ZONE 11	Hours	As per Site:	59:00	
Lowering					
Depth(mtr):	47.75	Cumm Gravel(cumt)	As per DPR:	79.5	
		Cumm Gravel(cumt)	As per Site:	43.92	
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	8-Aug-23	9:30 AM	3:39 PM	6:09	
2	9-Aug-23	7:29 AM	2:04 PM	6:35	
3	10-Aug-23	10:00 AM	4:10 PM	6:10	
4	11-Aug-23	7:00 AM	12:00 PM	5:00	
5	12-Aug-23	9:00 AM	2:20 PM	5:20	
6	13-Aug-23	9:00 AM	2:46 PM	5:46	
7	14-Aug-23	9:30 AM	3:39 PM	6:09	
8	15-Aug-23	7:29 AM	2:14 PM	6:45	
9	16-Aug-23	10:00 AM	2:06 PM	4:06	
10	17-Aug-23	7:00 AM	2:00 PM	7:00	
			Total	59:00	
		<i>Y</i>	<i>AL</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 Mannpur GP (Zone-11,TW-1) Tubewell under Arsadpur(Jangipur) Village

WSS, Block-Birno by 1 Cusec O.P. Unit

Size of Ventury 4" X 3"

Column Pipe Lowered(m): 30.00

Static water level(m): 9.70 Required Discharge(LPM)- 480 LPM Date: 11-09-2023

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	43.00	1041	16.80	7.10	600	300	200	150	100
2	27.00	829	14.90	5.20	400	200	150	100	50
3	9.00	484	14.10	4.40	100	50	Tr	Tr	Cl

Remark- Recommended discharge 480 LPM L.P.M. at 4.4 m depression after running 20 minute bypass.



(Signature)

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

(Abhishek Srivastava)
Junior Engineer

(Signature)

(Nitish Kumar)
Assistant Engineer


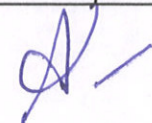
(Signature)

(Adarsh Verma)
Executive Engineer

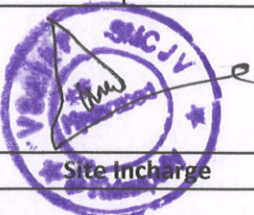

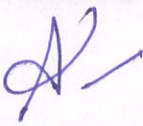

Division Office (E&M) ,U.P.Jal Nigam(Rural),Varanasi

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

Block:	VIRNO		Op unit Capacity	As per DPR:	1 cusec
				As per Site:	1 cusec
Scheme	ARSADPUR(JANGIPUR) REORGANISATION WSS		Op unit Hours	As per DPR:	100
				As per Site:	98.31 Hrs
GP	MANNPUR Z-11,T.W-1		Compressor Testing Date :		17-08-2023
Sl No	Date	Start Time	End Time	Total Hours	Remarks
1	31-08-2023	8:25 AM	9:54 AM	1:29	
2		10:24 AM	11:54 AM	1:30	
3		12:20 PM	1:40 PM	1:20	
4		2:46 PM	4:16 PM	1:30	
5		5:02 PM	6:45 PM	1:43	
6		7:40 PM	9:30 PM	1:50	
7		10:10 PM	11:30 PM	1:20	
8		12:10 AM	1:45 AM	1:35	
9	01-09-2023	8:00 AM	9:54 AM	1:54	
10		10:13 AM	11:34 AM	1:21	
11		12:25 PM	1:40 PM	1:15	
12		2:45 PM	4:12 PM	1:27	
13		5:11 PM	6:48 PM	1:37	
14		7:40 PM	9:30 PM	1:50	
15		10:00 PM	11:45 PM	1:45	
16		12:10 AM	1:45 AM	1:35	
17	02-09-2023	8:25 AM	9:54 AM	1:29	
18		10:24 AM	11:54 AM	1:30	
19		12:20 PM	1:55 PM	1:35	
20		3:46 PM	5:16 PM	1:30	
21		6:02 PM	7:21 PM	1:19	
22		7:40 PM	9:30 PM	1:50	
23	03-09-2023	8:25 AM	9:54 AM	1:29	
24		10:24 AM	11:54 AM	1:30	
25		12:20 PM	1:40 PM	1:20	
26		2:46 PM	4:16 PM	1:30	
27		5:02 PM	6:45 PM	1:43	
28		7:40 PM	9:30 PM	1:50	
29		10:10 PM	11:30 PM	1:20	
30		12:10 AM	1:45 AM	1:35	
31	04-09-2023	8:45 AM	9:40 AM	0:55	
32		10:44 AM	11:50 AM	1:06	
33		12:50 PM	1:20 PM	0:30	
34		3:56 PM	5:18 PM	1:22	
35		6:02 PM	7:10 PM	1:08	
36		7:40 PM	8:30 PM	0:50	
37	05-09-2023	8:55 AM	9:50 AM	0:55	
38		10:34 AM	11:53 AM	1:19	
39		12:50 PM	1:20 PM	0:30	
40		3:56 PM	5:18 PM	1:22	
41		6:02 PM	7:10 PM	1:08	
42		7:40 PM	8:30 PM	0:50	
43	06-09-2023	8:15 AM	9:40 AM	1:25	
44		10:44 AM	11:50 AM	1:06	
45		12:50 PM	1:20 PM	0:30	
46		3:56 PM	5:18 PM	1:22	
47		6:02 PM	7:10 PM	1:08	
48		7:40 PM	8:34 PM	0:54	

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

Block:	VIRNO	Op unit Capacity	As per DPR:	1 cusec
			As per Site:	1 cusec
Scheme	ARSADPUR(JANGIPUR) REORGANISATION WSS	Op unit Hours	As per DPR:	100
GP	MANNPUR Z-11,T.W-1	Compressor Testing Date :	As per Site:	98.31 Hrs
SI No	Date	Start Time	End Time	Total Hours
49	07-09-2023	8:55 AM	10:16 AM	1:21
50		10:44 AM	11:55 AM	1:11
51		12:40 PM	1:50 PM	1:10
52		3:56 PM	5:26 PM	1:30
53		6:12 PM	7:20 PM	1:08
54		7:40 PM	9:10 PM	1:30
55	08-09-2023	8:45 AM	10:10 AM	1:25
56		10:44 AM	11:50 AM	1:06
57		12:50 PM	2:20 PM	1:30
58		3:46 PM	5:16 PM	1:30
59		6:02 PM	7:10 PM	1:08
60		7:50 PM	9:10 PM	1:20
61	09-09-2023	8:35 AM	10:05 AM	1:30
62		10:44 AM	11:55 AM	1:11
63		12:42 PM	2:12 PM	1:30
64		3:46 PM	5:16 PM	1:30
65		6:12 PM	7:20 PM	1:08
66		7:40 PM	9:00 PM	1:20
67	10-09-2023	8:35 AM	10:05 AM	1:30
68		10:44 AM	11:55 AM	1:11
69		12:42 PM	2:12 PM	1:30
70		3:46 PM	5:16 PM	1:30
71		6:12 PM	7:20 PM	1:08
72		11-09-2023	8:35 AM	10:05 AM
73	10:44 AM		11:55 AM	1:11
Total			98:19	
Total (Hrs)			98.31 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		



Quality Assurance

QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Tel.: +91-120-4133953 • Mobile: +91-8287945370 • E-mail: admin@qatestinglaboratories.com

Website : www.qatestinglaboratories.com

CIN : U51100UP2018PTC108293 • GSTIN : 09AAACQ5609C1ZN

IAS-ANZ

24



M54009131N



All ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited & BIS Recognised Laboratory

TEST CERTIFICATE (This Certificate is not Valid without Hologram)



Test Report No : QAL/WT/231124002188
Sample Name: : Tube well Water
Sample Code : -
Issued To : VSAIPPL-SMC JV
District-Ghazipur.

Issue Date : 30/11/2023
Sample Received On : 24/11/2023
Reference No : VSAIPPL-SMC/UPJN/23-24/53
Sampling Date : 24/11/2023
Sampling Quantity : 2 Ltr.
Batch No./Lot No. : NA
Date of Mfg. : NS
Date of Exp. : NS
Date of Starting : 24/11/2023
Date of Completion : 30/11/2023

Sample Submitted By : VSAIPPL-SMC JV
Mfg. By : NA
Sample Description : Physical, Chemical & Heavy Metals Analysis of water
Location : District-Ghazipur Block-Birno GP-Maanpur

S.No.	Test Parameter	Units	Results	Specification as per IS:10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
1	Color	Hazen	1	5 max.	15 max.	IS : 3025(P-4)
2	Turbidity	NTU	0.2	1 max.	5 max.	IS : 3025(P-10)
3	pH value at 25°C	-	7.60	6.5-8.5	No Relaxation	IS : 3025 (P-11)
4	Total Hardness as CaCO3	mg/l	186	200 max	600 max.	IS : 3025 (P-21)
5	Calcium (as Ca)	mg/l	40.0	75 max	200 max	IS : 3025 (P-40)
6	Iron (as Fe)	mg/l	0.034	1 max	-	IS : 3025 (P-53)
7	Magnesium (as Mg)	mg/l	21.0	30 max	100 max	IS : 3025 (P-46)
8	Chloride (as Cl)	mg/l	24.0	250 max.	1000 max.	IS : 3025 (P-32)
9	Free Residual Chlorine	mg/l	Nil	0.2 max.	1 Max	IS : 3025 (P-26)
10	Sulphates (as SO4)	mg/l	7.8	200 max.	400 max.	IS : 3025 (P-24)
11	Total Alkalinity (as CaCO3)	mg/l	152	200 max.	600 max.	IS : 3025 (P-23)
12	Fluoride (as F)	mg/l	0.036	1 max.	1.5 max.	IS : 3025 (P-60)
13	Total Dissolved Solid (TDS)	mg/l	458	500 max.	2000 max.	IS : 3025 (P-16)
14	Total Coliform Bacteria	MPN/10 0 ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622
15	E coli	MPN/10 0 ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622

SAMPLE COLLECTED BY US

End of Report

Upendra Kumar
Technical manager
Authorized By (Sign & Stamp):

Dileep Kumar
Quality Manager
Approved By (Sign & Stamp):

Note: a) This report is not reproduced wholly or in partially and forbidden to be used as an evidence in the court of law and ought not be used in any advertisement media without our special permission in writing. b) The data reported in this TEST CERTIFICATE are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to those items of product which have been tested and do not apply to the other products even though declared to be identical. c) Except by special arrangement, the test items will not be retained by the company not more than one month. d) Report refers to the sample received by M/s QA Testing Laboratories Pvt. Ltd. e) This report is valid for the tested sample only.



QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Tel.: +91-120-4133953 • Mobile: +91-8287945370 • E-mail: admin@qatestinglaboratories.com

Website : www.qatestinglaboratories.com

CIN : U51100UP2018PTC108293 • GSTIN : 09AAACQ5609C1ZN

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M54009131N

Quality Assurance



As per ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited & BIS Recognised Laboratory

TEST CERTIFICATE

(This Certificate is not Valid without Hologram)



Test Report No : QAL/WT/231124002188

Issue Date : 30/11/2023

Sample Name: : Tube well Water

Sample Received On : 24/11/2023

S.No.	Test Parameter	Units	Results	Specification as per IS:10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
16	Nitrate (as NO ₃)	mg/l	0.35	45 max	No Relaxation	IS : 3025 (P-34)
17	Copper (as Cu)	mg/l	ND	0.05 max	1.5 max	IS : 3025 (P-42)
18	Manganese (as Mn)	mg/l	0.022	0.1 max	0.3 max	IS : 3025 (P-59)
19	Mercury (as Hg)	mg/l	ND	0.001 max	No Relaxation	IS : 3025 (P-48)
20	Cadmium (as Cd)	mg/l	ND	0.003 max	No Relaxation	IS : 3025 (P-41)
21	Selenium (as Se)	mg/l	ND	0.01 max	No Relaxation	IS : 3025 (P-56)
22	Total Arsenic (as As)	mg/l	ND	0.01 max	0.05 max	IS : 3025 (P-37)
23	Lead (as Pb)	mg/l	ND	0.01 max	No Relaxation	IS : 3025 (P-47)
24	Zinc (as Zn)	mg/l	0.024	5 max	15 max	IS : 3025 (P-49)
25	Cobalt	mg/l	ND	-	-	IS : 3025 (P-2)
26	Aluminium (as Al)	mg/l	ND	0.03 max	0.2 max	IS : 3025 (P-55)
27	Boron (as B)	mg/l	0.010	0.5 max	1.0 max	IS : 3025 (P-57)
28	Barium (as Ba)	mg/l	0.012	0.7 max	No Relaxation	IS:13428
29	Silver (as Ag)	mg/l	ND	0.1 max	No Relaxation	IS:13428
30	Molybdenum (as Mo)	mg/l	ND	0.07 max	No Relaxation	IS : 3025 (P-2)
31	Nickel (as Ni)	mg/l	ND	0.02 max	No Relaxation	IS : 3025 (P-54)
32	Total Chromium (as Cr)	mg/l	ND	0.05 max	No Relaxation	IS : 3025 (P-52)
33	Antimony (as Sb)	mg/l	ND	-	-	IS :3025 (P-2)

Note: ND= Not Detected

SAMPLE COLLECTED BY US

End of Report

Upendra Kumar

Technical manager

Authorized By (Sign & Stamp):

Dildeep Kumar

Quality Manager

Approved By (Sign & Stamp):

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Ref. VSAIPPL-SMC JV/EE/UPJN2023-24/53

24th Oct 2023

To

QA TESTING LABORATORIES PVT.LTD,
E-26/49, Transport agar, Near Parking No.9,
Luck now, Uttar Pradesh, 226012

Sub: Submission of Drinking water for Acidic & Non-Acidic test.

Dear Sir,

This is reference to the above-mentioned subject; we are submitting the Drinking water for acidic & non-Acidic test for following GP.

SL. No	District	Block	GP	Sample Source	Date of Sampling
1.	Ghazipur	Birno	Maanpur	Tube well Water	09.11.2023

For VSAIPPL-SMC (JV)



Authorized Signatory

CC TO:

1. Office of the Executive Engineer, (E&M) Divisional Office Varanasi,
2. M/S Medhaj Techno Concept Pvt Ltd. Ghazipur