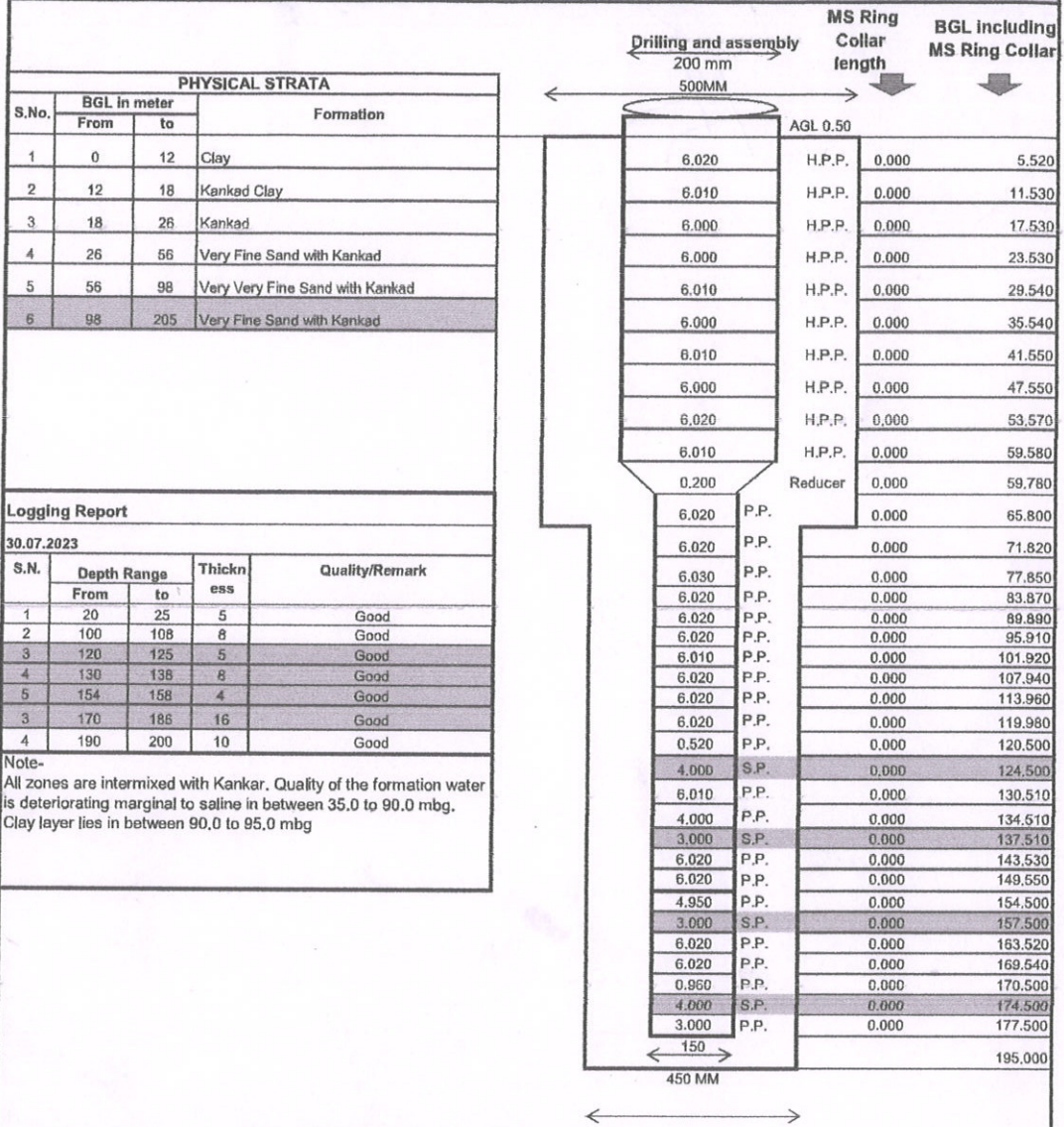


M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Actual Strata Chart of BARACHAWAR REORGANISATION WSS, BLOCK -BARACHAWAR, ZONE 1, GRAM PANCHAYAT - BARACHAWAR T.W-2 Under Jal Jeevan Mission, District- Ghazipur(U.P.)



DETAILS		AS PER DPR		ACTUAL	
1	Proposed Discharge	547.000	LPM		
2	Clear Depth of bore 600mm	0	Mbgf	0.000	Mbgf
3	Clear Depth of bore 500mm	65	Mbgf	65.000	Mbgf
4	Clear Depth of bore 450mm	360	Mbgf	205.000	Mbgf
5	Plane pipe 300MM	0	m	0.000	m
6	Plane pipe 200MM	60	m	60.080	m
7	Plane pipe 150MM	252	m	103.720	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	14.000	m
12	Date of lowering			05.08.2023	

 (.....) Company Repre. M/S VSAIPPL-SMC	 (.....) TPIA Medhaj Techno Concept Pvt.	 (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 GP-Barachawar TW2 ,Zone 1 ,Block - Barachawar, Scheme-Barachawar Reorganisation WSS, Developed by 400 PSI Compressor

Size of tube well (mm):		200	X	150	RPM		1400				
Static water level (m):		8.00			Discharge by-90 °V notch (Rectangular)						
Depth of T/W (m):		177.500			Date: of testing			13-08-2023			
S. N.	Pressure in kg/cm2		Depression		Discharge by "V" Notch			Sand content in P.P.M.			
	Starting Pressure	Running Pressure	In kg/cm2	In mtr.	Inch	LPM	At start		After 5 min	After 10 min	After 15 min
1	16.10	15.40	0.70	7.00	8	1541	6400	3500	3300	3100	3000
2	14.50	13.90	0.60	6.00	7	1104	5500	3100	2900	2700	2600
3	12.50	12.00	0.50	5.00	6 1/2	917	4600	2600	2400	2200	2000

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



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

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

(Abhishek Srivastava)
Junior Engineer

(Nitish Kumar)
Assistant Engineer

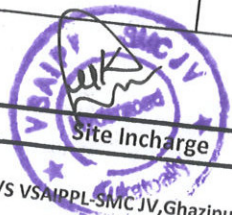
(Adarsh Verma)
Executive Engineer

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

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

Job Code:	BARACHAWAR BARACHAWAR REORGANISATION BARACHAWAR TW 2,ZONE 1	Compressor unit Capacity	As per DPR:	600 PSI
Block:		Compressor unit Hours	As per Site:	400 PSI
Scheme GP			As per DPR:	60
Lowering Depth(mtr):	177.5		As per Site:	58:00
		Cumm		
		Gravel(cumt)	As per DPR:	79.33
		Cumm		
		Gravel(cumt)	As per Site:	64.43 ✓

SI No	Date	Start Time	End Time	Total Hours	Remarks
1	3-Aug-23	9:30 AM	2:39 PM		
2	4-Aug-23	7:29 AM	1:04 PM	5:09	
3	5-Aug-23	10:00 AM	4:10 PM	5:35	
4	6-Aug-23	7:00 AM	12:00 PM	6:10	
5	7-Aug-23	9:00 AM	2:00 PM	5:00	
6	8-Aug-23	9:00 AM	2:46 PM	5:00	
7	9-Aug-23	9:30 AM	2:39 PM	5:46	
8	10-Aug-23	7:29 AM	2:12 PM	5:09	
9	11-Aug-23	9:30 AM	2:39 PM	6:43	
10	12-Aug-23	7:29 AM	1:38 PM	5:09	
11	13-Aug-23	10:00 AM	12:10 PM	6:09	
				2:10	
			Total	58:00	




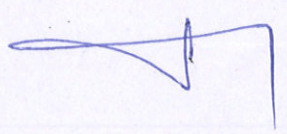


Site Incharge	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
M/S VSAIPPL-SMC JV, Ghazipur (U.P)	TPIA	Junior Engineer	Assistant Engineer	Exe. Engineer
	M/s Medhaj Techno Concept Pvt. Ltd., Ghazipur	Division Office(E/M) ,U.P.Jal Nigam(Rural),Varanasi		

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

Job Code:		Op unit	As per DPR:	1 Cusec
Block:	BARACHAWAR	Capacity	As per Site:	1 Cusec
Scheme	BARACHAWAR REORGANISATION WSS	Op unit	As per DPR:	100
GP	BARACHAWAR TW2, ZONE 1	Hours	As per Site:	97:00
Lowering Depth(mtr):	177.500	Cumm		
Compressor Testing Date	17-08-2023	Gravel(cumt)	As per DPR:	79.33
		Cumm		
		Gravel(cumt)	As per Site:	64.23

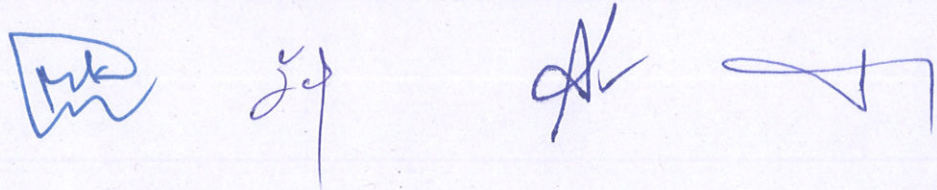
SI No	Date	Start Time	End Time	Total Hours	Remarks
1	18-08-2023	8:25 AM	9:54 AM	1:29	
2		10:24 AM	11:50 AM	1:26	
3		12:10 PM	1:40 PM	1:30	
4		3:56 PM	5:22 PM	1:26	
5		6:02 PM	7:30 PM	1:28	
6		7:40 PM	8:50 PM	1:10	
7	19-08-2023	8:25 AM	9:50 AM	1:25	
8		10:24 AM	11:50 AM	1:26	
9		12:50 PM	1:20 PM	0:30	
10		3:56 PM	5:18 PM	1:22	
11		6:02 PM	7:10 PM	1:08	
12		7:40 PM	8:30 PM	0:50	
13	20-8-2023	8:55 AM	9:50 AM	0:55	
14		10:44 AM	11:50 AM	1:06	
15		12:50 PM	1:20 PM	0:30	

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



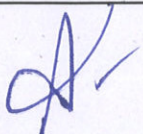
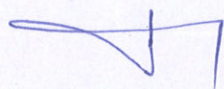
Job Code:		Op unit	As per DPR:	1 Cusec
Block:	BARACHAWAR	Capacity	As per Site:	1 Cusec
Scheme	BARACHAWAR REORGANISATION WSS	Op unit	As per DPR:	100
GP	BARACHAWAR TW2, ZONE 1	Hours	As per Site:	97:00
Lowering Depth(mtr):	177.500	Cumm		
Compressor Testing Date	17-08-2023	Gravel(cumt)	As per DPR:	79.33
		Cumm		
		Gravel(cumt)	As per Site:	64.23

SI No	Date	Start Time	End Time	Total Hours	Remarks
16	20-08-2023	3:56 PM	5:18 PM	1:22	
17	20-8-2023	6:02 PM	7:10 PM	1:08	
18		7:40 PM	8:30 PM	0:50	
19		8:45 AM	9:40 AM	0:55	
20	21-08-2023	10:44 AM	11:50 AM	1:06	
21		12:50 PM	1:20 PM	0:30	
22		3:56 PM	5:18 PM	1:22	
23		6:02 PM	7:10 PM	1:08	
24		7:40 PM	8:30 PM	0:50	
25		22-08-2023	8:55 AM	10:16 AM	1:21
26	10:44 AM		11:55 AM	1:11	
27	12:40 PM		1:50 PM	1:10	
28	3:56 PM		5:26 PM	1:30	
29	6:12 PM		7:20 PM	1:08	
30	7:40 PM		9:10 PM	1:30	



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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	BARACHAWAR	Capacity	As per Site:	1 Cusec	
Scheme	BARACHAWAR REORGANISATION WSS	Op unit	As per DPR:	100	
GP	BARACHAWAR TW2, ZONE 1	Hours	As per Site:	97:00	
Lowering Depth(mtr):	177.500	Cumm			
Compressor Testing Date	17-08-2023	Gravel(cumt)	As per DPR:	79.33	
		Cumm			
		Gravel(cumt)	As per Site:	64.23	
SI No	Date	Start Time	End Time	Total Hours	Remarks
31	23-08-2023	8:45 AM	10:10 AM	1:25	
32		10:44 AM	11:50 AM	1:06	
33		12:50 PM	2:20 PM	1:30	
34		3:46 PM	5:16 PM	1:30	
35		6:02 PM	7:10 PM	1:08	
36		7:50 PM	9:10 PM	1:20	
37	24-08-2023	8:35 AM	10:05 AM	1:30	
38		10:44 AM	11:55 AM	1:11	
39		12:42 PM	2:12 PM	1:30	
40		3:46 PM	5:16 PM	1:30	
41		6:12 PM	7:20 PM	1:08	
42		7:40 PM	9:00 PM	1:20	
43	25-8-2023	8:45 AM	10:10 AM	1:25	
44		10:44 AM	11:50 AM	1:06	
45		12:50 PM	2:10 PM	1:20	


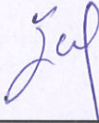


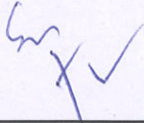
M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Job Code:				Op unit	As per DPR:	1 Cusec
Block:		BARACHAWAR		Capacity	As per Site:	1 Cusec
Scheme		BARACHAWAR REORGANISATION WSS		Op unit	As per DPR:	100
GP		BARACHAWAR TW2, ZONE 1		Hours	As per Site:	97:00
Lowering Depth(mtr):		177.500		Cumm		
Compressor Testing Date		17-08-2023		Gravel(cumt)	As per DPR:	79.33
				Cumm		
				Gravel(cumt)	As per Site:	64.23
SI No	Date	Start Time	End Time	Total Hours	Remarks	
46	25-08-2023	3:56 PM	5:18 PM	1:22		
47	25-8-2023	6:02 PM	7:10 PM	1:08		
48		7:40 PM	9:00 PM	1:20		
49		8:55 AM	10:16 AM	1:21		
50	26-08-2023	10:44 AM	11:55 AM	1:11		
51		12:40 PM	2:00 PM	1:20		
52		3:56 PM	5:26 PM	1:30		
53		6:12 PM	7:20 PM	1:08		
54		7:40 PM	9:00 PM	1:20		
55		8:45 AM	10:00 AM	1:15		
56	27-08-2023	10:44 AM	11:50 AM	1:06		
57		12:50 PM	2:10 PM	1:20		
58		3:56 PM	5:08 PM	1:12		
59		6:02 PM	7:10 PM	1:08		
60		7:40 PM	9:00 PM	1:20		

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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	BARACHAWAR	Capacity	As per Site:	1 Cusec	
Scheme	BARACHAWAR REORGANISATION WSS	Op unit	As per DPR:	100	
GP	BARACHAWAR TW2, ZONE 1	Hours	As per Site:	97:00	
Lowering Depth(mtr):	177.500	Cumm			
Compressor Testing Date	17-08-2023	Gravel(cumt)	As per DPR:	79.33	
		Cumm			
		Gravel(cumt)	As per Site:	64.23	
SI No	Date	Start Time	End Time	Total Hours	Remarks
61	28-08-2023	8:45 AM	10:00 AM	1:15	
62		10:44 AM	11:50 AM	1:06	
63		12:40 PM	2:00 PM	1:20	
64		3:56 PM	5:16 PM	1:20	
65		6:12 PM	7:20 PM	1:08	
66		7:40 PM	9:00 PM	1:20	
67	29-08-2023	8:45 AM	10:10 AM	1:25	
68		10:44 AM	11:50 AM	1:06	
69		12:50 PM	2:10 PM	1:20	
70		3:56 PM	5:18 PM	1:22	
71		6:02 PM	7:10 PM	1:08	
72		7:40 PM	9:09 PM	1:29	
73	30-08-2023	8:45 AM	10:10 AM	1:25	
74		10:44 AM	11:50 AM	1:06	
75		12:50 PM	2:10 PM	1:20	

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

Job Code:		Op unit	As per DPR:	1 Cusec	
Block:	BARACHAWAR	Capacity	As per Site:	1 Cusec	
Scheme	BARACHAWAR REORGANISATION WSS	Op unit	As per DPR:	100	
GP	BARACHAWAR TW2, ZONE 1	Hours	As per Site:	97:00	
Lowering Depth(mtr):	177.500	Cumm			
Compressor Testing Date	17-08-2023	Gravel(cumt)	As per DPR:	79.33	
		Cumm			
		Gravel(cumt)	As per Site:	64.23	
SI No	Date	Start Time	End Time	Total Hours	Remarks
76	30-08-2023	3:56 PM	5:18 PM	1:22	
77		6:02 PM	7:19 PM	1:17	
78		7:40 PM	9:09 PM	1:29	
		Total		97:00	
					
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	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



M54009131N

**An ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited Laboratory**

TEST CERTIFICATE

(This Certificate is not Valid without Hologram)



Test Report No : QAL/WT/230904001611
 Sample Name: : Tube well Water
 Sample Code : -
 Issued To : VSAIPPL-SMC JV
 District-Ghazipur.

Issue Date : 11/09/2023
 Sample Received On : 04/09/2023
 Reference No : VSAIPPL-SMC/UPJN23-24/34
 Sampling Date : 04/09/2023
 Sampling Quantity : 2 ltr
 Batch No./Lot No. : NA
 Date of Mfg. : NS
 Date of Exp. : NS
 Date of Starting : 04/09/2023
 Date of Completion : 11/09/2023

Sample Submitted By : VSAIPPL-SMC JV
 Mfg. By : NA
 Sample Description : Physical, Chemical & Heavy Metals Analysis of water
 Location : Block-Baravachawar GP-Baravachawar L-2

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	0.3	1 max.	5 max.	IS : 3025(P-10)
3	pH value at 25°C	-	7.58	6.5-8.5	No Relaxation	IS : 3025 (P-11)
4	Total Hardness as CaCO ₃	mg/l	188	200 max	600 max.	IS : 3025 (P-21)
5	Calcium (as Ca)	mg/l	44.8	75 max	200 max	IS : 3025 (P-40)
6	Iron (as Fe)	mg/l	0.032	1 max	-	IS : 3025 (P-53)
7	Magnesium (as Mg)	mg/l	18.4	30 max	100 max	IS : 3025 (P-46)
8	Chloride (as Cl)	mg/l	20.0	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 SO ₄)	mg/l	6.6	200 max.	400 max.	IS : 3025 (P-24)
11	Total Alkalinity (as CaCO ₃)	mg/l	160	200 max.	600 max.	IS : 3025 (P-23)
12	Fluoride (as F)	mg/l	0.034	1 max.	1.5 max.	IS : 3025 (P-60)
13	Total Dissolved Solid (TDS)	mg/l	404	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

Upenra Kumar
 Technical manager

Authorized By (Sign & Stamp):

Upenra Kumar
 Technical 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.



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



M54009131N

**An ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited Laboratory**

TEST CERTIFICATE

(This Certificate is not Valid without Hologram)



Test Report No : QAL/WT/230904001611

Issue Date : 11/09/2023

Sample Name: : Tube well Water

Sample Received On : 04/09/2023

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	0.34	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	0.018	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	0.020	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	0.012	0.5 max	1.0 max	IS : 3025 (P-57)
28	Barium (as Ba)	mg/l	0.014	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):

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.



Quality Assurance

QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

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

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CIN : U51100UP2018PTC108293 • GSTIN : 09AAACQ5609C1ZN



JAS-ANZ



M54009131N



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TEST CERTIFICATE

(This Certificate is not Valid without Hologram)

Test Report No : QAL/WT/230904001611
 Sample Name: : Tube well Water
 Sample Code : -
 Issued To : VSAIPPL-SMC JV
 District-Ghazipur.

Issue Date : 11/09/2023
 Sample Received On : 04/09/2023
 Reference No : VSAIPPL-SMC/UPJN23-24/34
 Sampling Date : 04/09/2023
 Sampling Quantity : 2 ltr
 Batch No./Lot No. : NA
 Date of Mfg. : NS
 Date of Exp. : NS
 Date of Starting : 04/09/2023
 Date of Completion : 11/09/2023

Sample Submitted By : VSAIPPL-SMC JV
 Mfg. By : NA
 Sample Description : Physical, Chemical & Heavy Metals Analysis of water
 Location : **Block-Baravachawar GP-Baravachawar L-2**

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	0.3	1 max.	5 max.	IS : 3025(P-10)
3	pH value at 25°C	-	7.58	6.5-8.5	No Relaxation	IS : 3025 (P-11)
4	Total Hardness as CaCO3	mg/l	188	200 max	600 max.	IS : 3025 (P-21)
5	Calcium (as Ca)	mg/l	44.8	75 max	200 max	IS : 3025 (P-40)
6	Iron (as Fe)	mg/l	0.032	1 max	-	IS : 3025 (P-53)
7	Magnesium (as Mg)	mg/l	18.4	30 max	100 max	IS : 3025 (P-46)
8	Chloride (as Cl)	mg/l	20.0	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	6.6	200 max.	400 max.	IS : 3025 (P-24)
11	Total Alkalinity (as CaCO3)	mg/l	160	200 max.	600 max.	IS : 3025 (P-23)
12	Fluoride (as F)	mg/l	0.034	1 max.	1.5 max.	IS : 3025 (P-60)
13	Total Dissolved Solid (TDS)	mg/l	404	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

Upenra Kumar
 Technical manager

Authorized By (Sign & Stamp):

Upenra 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.



Quality Assurance

QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

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

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IAS-ANZ



M54009131N



An ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited Laboratory



TEST CERTIFICATE

(This Certificate is not Valid without Hologram)

Test Report No : QALWT/230904001611

Issue Date : 11/09/2023

Sample Name: : Tube well Water

Sample Received On : 04/09/2023

S.No.	Test Parameter	Units	Results	Specification as per IS:10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
16	Nitrate (as NO3)	mg/l	0.34	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	0.018	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	0.020	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	0.012	0.5 max	1.0 max	IS : 3025 (P-57)
28	Barium (as Ba)	mg/l	0.014	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):

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

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VSAIPPL - SMC JV



Regd. Office : # 10, APIIC Building, Type - III, I.E, Prashanth Nagar Kukatpally, Hyderabad - 500072.
Email: vsainfraprojects@gmail.com. Phone: 040-40113158, 040-2307 8060

Ref. VSAIPPL-SMC JV/EE/UPJN2023-24/34

04th Sep 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	Baravachawar	MOHAMMAD PUR T. KHARA & MATA(L-1)	Tube well Water	29.08.2023
2.	Ghazipur	Baravachawar	Baravachawar L-2	Tube well Water	02.09.2023

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

16/0-11



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001

Mob. 9918202546 / 9889323322, Email-aquaxploreelko@gmail.com

Advisor- Dr. R. A. Yadav, ex- Manager(Groundwater), U. P. Jal Nigam

Ref 730 - BB / AX - 2023

Date 30.07.2022

Geophysical Borehole Logging Report

Name of the site : Barachawar T/W-2, Block - Barachawar

District : Ghazipur

Date : 30.07.2022

Depth logged : 205.0 mbgl

Depth drilled : 360.0 mbgl- as reported

Logger used : UPTRON make

Presence : Representative of M/S VSAIPPL-SMC JV, Ghazipur, U.P.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	20.0–25.0	5.0	Good all
2	100.0–108.0	8.0	
3	120.0–125.0	5.0	
4	130.0–138.0	8.0	
5	154.0–158.0	4.0	
6	170.0–186.0	16.0	
7	190.0–200.0	10.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 35.0 to 90.0 mbgl. Clay layer lies in between 90.0 to 95.0 mbgl.

for Aqua Xplore

CC;

1. M/S VSAIPPL-SMC JV, Ghazipur, Uttar Pradesh