

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	PURE PRASD SINGH	DATE OF LOGGING:	01.06.2023
BLOCK:	MAHASI	DRILLING DEPTH:	335.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	330.44M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.1016ohm\m	Rw	0.964ohm\m
DISTRIC	BAHRAICH		

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark(Quality of Aquifer Water)
	From (m)	To (m)			
1	0	10	10	Top Soil	
2	10	62	52	Coares to medium grain sand	Good
3	62	94.5	32.5	Medium grain sand with kankar	
4	94.5	99	4.5	Fine sediment	
5	99	136.5	37.5	Medium grain sand with kankar	Good
6	136.5	146	9.5	Clay with sand	
7	146	152.5	6.5	Medium grain sand	Good
8	152.5	162.5	10	Medium to fine grain sand	
9	162.5	186.5	24	Coares to medium grain sand	
10	186.5	197	10.5	Medium to fine grain sand	Good
11	197	210	13	Clay with sand	
12	210	215	5	Fine grain sand	Good
13	215	230	15	Medium to fine grain sand	
14	230	238.5	8.5	Medium grain sand	
15	238.5	246.5	8	Medium to fine grain sand	Good
16	246.5	264.5	18	Clay with sand	
17	264.5	304.5	40	Medium to fine grain sand	Good
18	304.5	314.5	10	Medium grain sand	
19	314.5	320	5.5	Clay with sand	Good
20	320	329	9	Medium grain sand	

Verified as per logs provided
 Note: S No 13-215-222 - finer sediment (clayey sand)
 For Mining Associates Pvt. Ltd.
 Ashok Kumar
 Geophysicist

CC:

- 1.Executive Engineer,C.D.(Rural),U.P. Jal Nigam, Gonda
- 2.M/S Vishwanath Projects Limited,Bahraich

Seen
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9/15/23
 02/07/23

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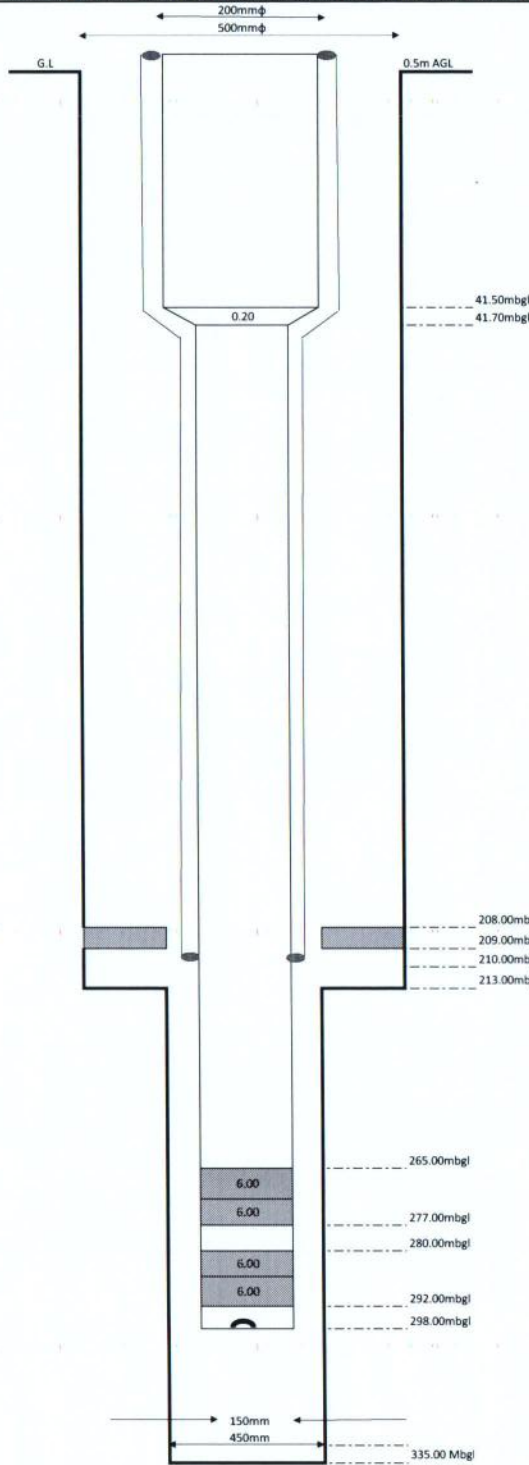
ASSISTANT ENGINEER
 DIVISION OFFICE (E/M)
 U.P. JAL NIGAM RURAL GONDA



GA INFRA- VISHWANATH PROJECTS LIMITED

PROPOSED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF PURE PRASAD SINGH W/S SCHEME, BLOCK CHITTAURA , DISTRICT- BAHRAICH



1	Bore Size	500 X 450 mm
2	Assembly Size	200 X 150 mm
3	Drilling Depth	335.00 Mbgl
4	Logging Depth	330.44Mbgl
5	Date of Logging	01.06.2023
6	Required Discharge	360 LPM/45m

LOGGING REPORT-

Sl. No.	Depth Range(mbgl)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	10	TOP SOIL	10.0	
2	10	62	COARES TO MEDIUM GRAIN SAND	52.0	GOOD
3	62	94.5	MEDIUM GRAIN SAND WITH KANKAR	32.5	
4	94.5	99	FINE SEDIMENT	4.5	
5	99	136.5	MEDIUM GRAIN SAND WITH KANKAR	37.5	GOOD
6	136.5	146	CLAY WITH SAND	9.5	
7	146	152.5	MEDIUM GRAIN SAND	6.5	
8	152.5	162.5	MEDIUM TO FINE GRAIN SAND	10.0	GOOD
9	162.5	186.5	COARES TO MEDIUM GRAIN SAND	24.0	
10	186.5	197	MEDIUM TO FINE GRAIN SAND	10.5	
11	197	210	CLAY WITH SAND	13.0	
12	210	215	FINE GRAIN SAND	5.0	
13	215	230	MEDIUM TO FINE GRAIN SAND	15.0	GOOD
14	230	238.50	MEDIUM GRAIN SAND	8.5	
15	238.50	246.5	MEDIUM TO FINE GRAIN SAND	8.0	
16	246.5	264.5	CLAY WITH SAND	18.0	
17	264.5	304.5	MEDIUM TO FINE GRAIN SAND	40.0	GOOD
18	304.5	314.5	MEDIUM GRAIN SAND	10.0	
19	314.5	320	CLAY WITH SAND	5.5	
20	320	329	MEDIUM GRAIN SAND	9.0	GOOD

Note:-

- 1 Almost all zones are intermixed with fine bands of kankar.

Sl. No.	Descriptions	Length(m)	Remarks
1	200mmφ Housing Pipe	42.00	
2	150mmφ Plain Pipe	232.00 232.30	
3	150mm Slotted Pipe	24.00	



GA INFRA- VISHWANATH P. LTD.

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(JE, UPJN(RURAL) E&M GONDA)

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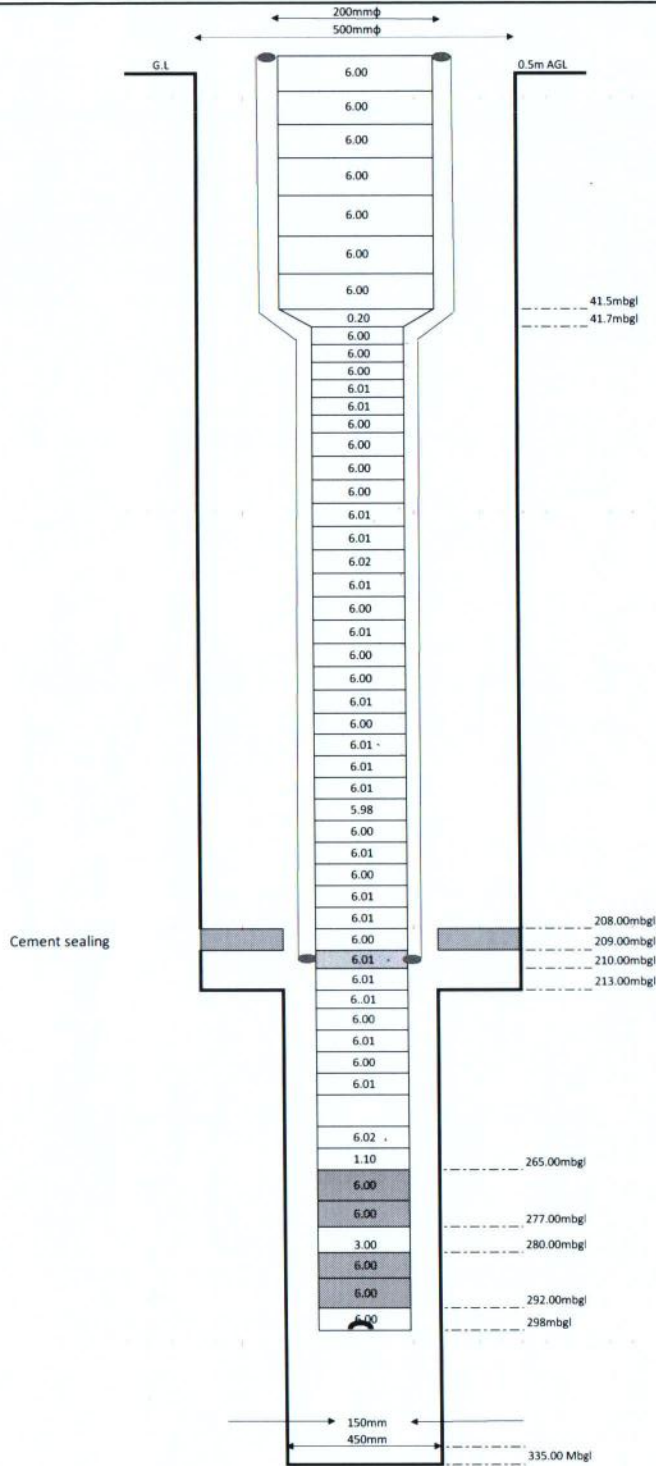
(AE, UPJN(RURAL) E&M GONDA)

(EE, UPJN(RURAL) E&M GONDA)



GA INFRA- VISHWANATH PROJECTS LIMITED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF PURE PRASAD SINGH W/S SCHEME, BLOCK CHITTAURA , DISTRICT- BAHRACH



1	Bore Size	500 X 450 mm
2	Assembly Size	200 X 150 mm
3	Drilling Depth	335.00 Mbgl
4	Logging Depth	330.44Mbgl
5	Date of Logging	01.06.2023
6	Required Discharge	360 LPM/45m
7	Date of Lowring	05.06.2023

LOGGING REPORT-

Sl. No.	Depth Range(mbgl)	Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)		
1	0	10	TOP SOIL	
2	10	62	COARES TO MEDIUM GRAIN SAND	
3	62	94.5	MEDIUM GRAIN SAND WITH KANKAR	GOOD
4	94.5	99	FINE SEDIMENT	
5	99	136.5	MEDIUM GRAIN SAND WITH KANKAR	GOOD
6	136.5	146	CLAY WITH SAND	
7	146	152.5	MEDIUM GRAIN SAND	
8	152.5	162.5	MEDIUM TO FINE GRAIN SAND	
9	162.5	186.5	COARES TO MEDIUM GRAIN SAND	GOOD
10	186.5	197	MEDIUM TO FINE GRAIN SAND	
11	197	210	CLAY WITH SAND	
12	210	215	FINE GRAIN SAND	
13	215	230	MEDIUM TO FINE GRAIN SAND	
14	230	238.50	MEDIUM GRAIN SAND	GOOD
15	238.50	246.5	MEDIUM TO FINE GRAIN SAND	
16	246.5	264.5	CLAY WITH SAND	
17	264.5	304.5	MEDIUM TO FINE GRAIN SAND	GOOD
18	304.5	314.5	MEDIUM GRAIN SAND	
19	314.5	320	CLAY WITH SAND	
20	320	329	MEDIUM GRAIN SAND	GOOD

Note:-

- 1 Almost all zones are intermixed with fine bands of kankar.

Sl. No.	Descriptions	Length(m)	Remarks
1	200mmφ Housing Pipe	42.00	
2	150mmφ Plain Pipe	232.30	
3	150mm Slotted Pipe	24.00	
4	200mmX150mm Reducer	0.20	
Total Assembly		298.50	
Less AGL		0.50	
TOTAL BGL		298.00	



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 (JE, UPJN(RURAL) E&M
 GONDA)
 JUNIOR ENGINEER
 DIVISION OFFICE (E/M)

(Signature)
 (AE, UPJN(RURAL) E&M
 GONDA)
 ASSISTANT ENGINEER
 DIVISION OFFICE (E/M)

(EE, UPJN(RURAL) E&M
 GONDA)

U.P. JAL NIGAM RURAL GONDA

U.P. JAL NIGAM RURAL GONDA



GA INFRA- VISHWANATH PROJECTS LIMITED

TEST REPORT OF DEVELOPMENT OF TUBEWELL BY 600 PSI AIR COMPRESSOR UNDER J.J.M PROGRAMME

- 1. G.P NAME - PURE PRASAD SINGH
- 2. BLOCK - MAHASI
- 3. DATE OF TESTING - 18.09.2023
- 4. T.W SIZE - 200X150 MM
- 5. S.W.L - 5.10 MTR
- 6. AIR LINE LOWERED - 288 MTR
- 7. DISCHARGE MEASURED BY - M.S 90° V-NOTCH TANK
- 8. DEPTH OF TUBEWELL - 298.00 MTR
- 9. REQUIRED DICHARGE - 360 Lpm

SR.NO	DEPTH OF AIR LINE LOWERED IN MTR	DISCHARGE WATER HEAD 90° V-NOTCH TANK		STARTING PRESSURE IN KGF/CM ²	RUNNIG PRESSURE IN KGF/CM ²	DEPRESSION		SAND CONTENT IN PPM					REMARK
		IN MM	IN LPM			IN KGF/CM ²	MTR	STARTING	5 MIN	10 MIN	15 MIN	20 MIN	
1	288	210	1706	28.5	27.5	1	10	4,800	2,300	1,500	1,000	700	

NOTE: RECOMMENDED FOR DEVELOPMENT OF T.W BY O.P UNIT.

TEST CONDUCTED IN PRESENCE OF BY.



[Signature]
TPI

[Signature]
Junior Engineer
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

[Signature]
Assistant Engineer
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GOND

Executive Engineer



GA INFRA- VISHWANATH PROJECTS LIMITED



YIELD TEST REPORT OF DEVELOPMENT OF TUBEWELL BY O.P UNIT UNDER J.J.M PROGRAMME

- 1.G.P NAME - PURE PRASAD SINGH
- 2.BLOCK - MAHASI
- 3.DATE OF TESTING - 04.10.2023
- 4.T.W SIZE - 200 X 150
5. S.W.L - 5.10 MTR
6. COLUMN PIPE LOWERED - 24 MTR
7. SIZE OF COLUMN PIPE - 100 MM
8. ORIFICE SIZE - 4"X3"
9. CAPACITY OF O.P UNIT- 1 Cusec
10. REQUIRED DICHARGE - 360 Lpm

SR.NO	DISCHARGE THROUGH ORIFICE SIZE (4"X3")		S.W.L IN Mtr	R.W.L IN Mtr	DEPRESSION IN Mtr	SAND CONTENT IN PPM					REMARK
	IN INCH	IN LPM				STARTING	5 MIN	10 MIN	15 MIN	20 MIN	
						IN Mtr	IN Mtr	IN Mtr	IN Mtr	IN Mtr	
1	29	855	5.1	4.22 4.12	4.10	250	100	50	Tr	CL	
2	15	613	5.1	8.00 4.80	2.90	150	50	Tr	CL	CL	
3	5	378	5.1	6.96 1.95	1.86	30	Tr	CL	CL	CL	

NOTE: Recommended Discharge 360 Lpm at 1.86 mtr depression pump should be run atleast 10 min in By pass then after taken in line.

TEST CONDUCTED IN PRESENCE OF BY



TPI

Junior Engineer

ASSISTANT ENGINEER

DIVISION OFFICE (E/M)

GAM, PUNE, GOVGA

Assistant Engineer

ASSISTANT ENGINEER

DIVISION OFFICE (E/M)

J.P. JAL NIGAM RURAL, GON

Executive Engineer



Jal Jeevan Mission

Har Ghar Jal



State Level Water Analysis Laboratory , U.P Jal Nigam (Rural), Lucknow

6 Rana pratap Marg Lucknow (Test Address only)

Test report

Sample ID: U1693852515815531

User Information

Name:	Vishwanath Projects Limited shankar	Mobile:	7799887237
Email:	pc-jjm@vplindia.com	Pin Code:	
Full Address:	Village- Shahpur Jot Yusuph , Gram Panchayat- Shahpur Jot Yusuf, Block- Chitaura, District- Bahraich, State- Uttar Pradesh		

Sample description

Source of Sample:	Tube well / Bore well / Well	Village:	Pure Prasad Singh
Gram Panchayat:	Pure Prasad Singh	Block:	Mahasi
District:	Bahraich	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:	27.630476	Longitude:	81.335623

Date & time of sample collection

13.10.2023 | 10:32:00 AM

Date & time of sample received in lab

13.10.2023 | 11:27:00 AM

Date & time of sample analysed

25.10.2023 | 11:52:00 AM

Date & time of report generation

07.11.2023 | 06:25:37 PM

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JUNIOR ENGINEER
DIVISION OFFICE (EM)
U.P. JAL NIGAM RURAL GONDA

Test results

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Aluminum (As Al)	mg/l	0.03	0.2	0.001	
2	Barium (as Ba)	mg/l	0.7	No Relaxation	0.240	
3	Boron (as B)	mg/l	0.5	1	0.018	
4	Cadmium (As Cd)	mg/l	0.003	No Relaxation	0.000	
5	Calcium (as Ca)	mg/l	75	200	5.900	
6	Chloride (as Cl)*	mg/l	250	1000	19.990	
7	Copper (As Cu)	mg/l	0.05	1.5	0.000	
8	Fluoride (as F)*	mg/l	1	1.5	0.200	
9	Free residual Chlorine	mg/l	0.2	1	0.000	
10	Iron (As Fe)*	mg/l	1	No Relaxation	0.010	
11	Lead (as Pb)	mg/l	0.01	No Relaxation	0.000	
12	Magnesium (As Mg)	mg/l	30	100	12.990	
13	Manganese (As Mn)	mg/l	0.1	0.3	0.000	
14	Nickel (As Ni)	mg/l	0.02	No Relaxation	0.000	
15	Nitrate (as NO3)*	mg/l	45	No Relaxation	1.000	
16	pH*	NA	6.5-8.5	No Relaxation	8.140	
17	Silver (as Ag)	mg/l	0.1	No Relaxation	0.000	
18	Sulphate (as SO4)*	mg/l	200	400	19.330	
19	TDS*	mg/l	500	2000	336.000	
20	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	260.000	
21	Total Arsenic (As As)*	mg/l	0.01	No Relaxation	0.007	
22	Total Chromium (As Cr)	mg/l	0.05	No Relaxation	0.000	
23	Total Hardness (As CaCO3)*	mg/l	200	600	35.000	
24	Turbidity*	NTU	1	5	1.690	
25	Zinc (As Zn)	mg/l	5	15	0.000	

Note:

- 1)*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

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JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

Seay

Devi

ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	UP Jal Nigam (Rural), (SWSM) Uttar Pradesh		
Consultant /TPIA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/		
Start Date and Time	27-05-2023		
Location:	Pure Prasad Singh	Block:	Maharaj
For Civil /E&M Works :	E & M work		
RFI No.			
Description of Work:	RFI for Tubewell drilling work start		
RFI Raised By	Asad ullah		
Signature	Asadullah		
Date	26-05-2023		
Approved	Rejected	Not Ready	
Comments	Site order book is not available at site.		
Representative	M/s GA INFRA -VPL(JV)	TPIA (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	UP Jal Nigam (Rural), (SWSM) Uttar Pradesh		
Consultant /TPIA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/		
Start Date and Time	01-06-2023		
Location:	Pure Prasad Singh	Block:	Mahali
For Civil /E&M Works :	E L M work		
RFI No.			
Description of Work:	Tubewell Electro logging work		
RFI Raised By	Acadullah		
Signature	Acadullah		
Date	31-05-2023		
Approved	Rejected	Not Ready	
Comments	work found satisfactory.		
Representative	M/s GA INFRA -VPL(JV)	TPIA (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	UP Jal Nigam (Rural), (SWSM) Uttar Pradesh		
Consultant /TPIA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/		
Start Date and Time	03-06-2023		
Location:	Pure Prasad Singh	Block:	Mahari
For Civil /E&M Works :	E & M work		
RFI No.			
Description of Work:	Tubewell Assembly lowering work		
RFI Raised By	Asad Ullah		
Signature	Asadullah		
Date	02-06-2023		
Approved	Rejected	Not Ready	
Comments	Site order book is not available at site.		
Representative	M/s GA INFRA -VPL(JV)	TPIA (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	UP Jal Nigam (Rural), (SWSM) Uttar Pradesh		
Consultant /TPIA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/		
Start Date and Time	18-09-2023		
Location:	Pure Prasad Singh	Block:	Mahari
For Civil /E&M Works :	EL M work		
RFI No.			
Description of Work:	RFI for Air compressor Testing		
RFI Raised By	Asad ulloh		
Signature	Asad ulloh		
Date	17-09-2023		
Approved	Rejected	Not Ready	
Comments	log book is not available at site.		
Representative	M/s GA INFRA -VPL(JV)	TPIA (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Bahraich (UP)		
Client	UP Jal Nigam (Rural), (SWSM) Uttar Pradesh		
Consultant /TPIA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/BAHRAICH/		
Start Date and Time	04-10-2023		
Location:	Pure Prasad Singh	Block:	Mahari
For Civil /E&M Works :	E & M work		
RFI No.			
Description of Work:	RFI for OI unit Testing		
RFI Raised By	Asad ullah		
Signature	Asadullah		
Date	03-10-2023		
Approved	Rejected	Not Ready	
Comments	work found ok.		
Representative	M/s GA INFRA -VPL(JV)	TPIA (M/s Ceinsys Tech LTD)	Client (UP Jal Nigam)
Signature			
Date			