



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	KATILIYA BHUP SINGH	DATE OF LOGGING:	24.05.2023
BLOCK:	CHITaura	DRILLING DEPTH:	305.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	300.45M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.916ohm\m	Rw	0.856ohm\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	7	7	Top Soil	
2	7	20	13	Sandyclay	
3	20	32	12	Coares grain sand	Good
4	32	38.5	6.5	Fine sediment	
5	38.5	44	5.5	Coares grain sand	Good
6	44	53	9	Clay with sand	
7	53	80	27	Coares to medium grain sand&kankar	Good
8	80	89	9	Clay with sand	
9	89	113	24	Coares to medium grain sand	Good
10	113	121.5	8.5	Clay	
11	121.5	137.5	16	Coares to medium grain sand	Good
12	137.5	155.5	18	Clay with sand	
13	155.5	158	2.5	Medium grain sand	Good
14	158	164	6	Clay	
15	164	187.5	23.5	Medium grain sand	Good
16	187.5	198	10.5	Clay with sand	
17	198	203	5	Medium to fine grain sand	Good
18	203	215	12	Coares to medium grain sand	Good
19	215	220	5	Fine sediment	
20	220	237	17	Medium grain sand with kankar	Good
21	237	243	6	Fine sediment	
22	243	250	7	Coares grain sand	Good
23	250	254	4	Clay	
24	254	270	16	Medium to fine grain sand	Good
25	270	278.5	8.5	Fine sediment	
26	278.5	299	20.5	Coares grain sand	Good

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

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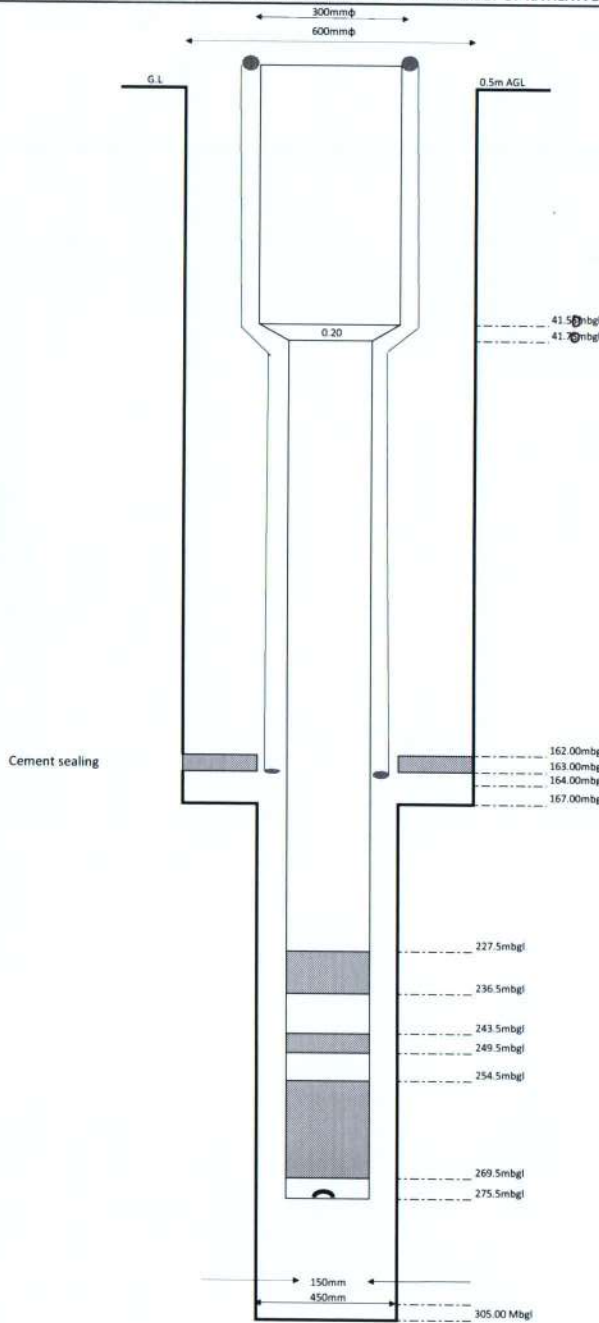
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GA INFRA- VISHWANATH PROJECTS LIMITED

PROPOSED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF KATILIYA BHOOP SINGH W/S SCHEME, BLOCK -CHITTAURA, DISTRICT- BAHAIRACH



1	Bore Size	600 X 450 mm
2	Assembly Size	300 X 150 mm
3	Drilling Depth	305.00 Mbg
4	Logging Depth	300.45Mbg
5	Date of Logging	24.05.2023
6	Required Discharge	700 LPM/45m

LOGGING REPORT-

Sl. No.	Depth Range(mbg)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	7	TOP SOIL	7.0	
2	7	20	CLAY WITH SAND	13.0	
3	20	32	COARES GRAIN SAND	12.0	GOOD
4	32	38.5	FINE SEDIMENT	6.5	
5	38.5	44	COARES GRAIN SAND	5.5	GOOD
6	44	53	CLAY WITH SAND	9.0	
7	53	80	COARES TO MEDIUM GRAIN SAND	27.0	GOOD
8	80	89	CLAY WITH SAND	9.0	
9	89	113	COARES TO MEDIUM GRAIN SAND & KANKAR	24.0	GOOD
10	113	121.5	CLAY	8.5	
11	121.5	137.5	COARES TO MEDIUM GRAIN SAND	16.0	GOOD
12	137.5	155.5	CLAY WITH SAND	18.0	
13	155.5	158	MEDIUM GRAIN SAND	2.5	GOOD
14	158	164	CLAY	6.0	
15	164	187.5	MEDIUM GRAIN SAND	23.5	GOOD
16	187.5	198	CLAY WITH SAND	10.5	
17	198	203	MEDIUM TO FINE GRAIN SAND	5.0	GOOD
18	203	215	COARES TO MEDIUM GRAIN SAND	12.0	GOOD
19	215	220	FINE SEDIMENT	5.0	
20	220	237	MEDIUM GRAIN SAND WITH KANKAR	17.0	GOOD
21	237	243	FINE SEDIMENT	6.0	
22	243	250	COARES GRAIN SAND	7.0	GOOD
23	250	254	CLAY	4.0	
24	254	270	MEDIUM TO FINE GRAIN SAND	16.0	GOOD
25	270	278.5	FINE SEDIMENT	8.5	
26	278.5	299	COARES GRAIN SAND	20.5	GOOD

Note:-

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

Sl. No.	Descriptions	Length(m)	Remarks
1	300mmφ Housing Pipe	42.00	
2	50mmφ Plain Pipe	203.80	
3	50mm Slotted Pipe	30.00	
Total Assembly		276.00	

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GA INFRA- VISHWANATH P. LTD.

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

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

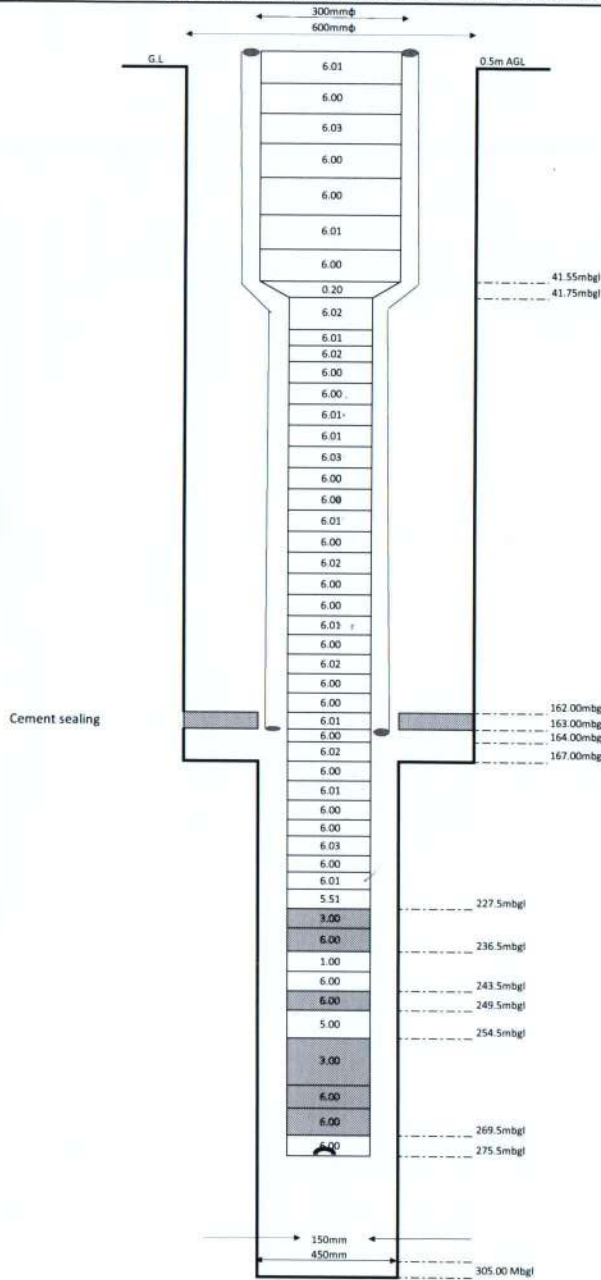
(EE, UPJN(RURAL) E&M GONDA)

U.P. JAL NIGAM RURAL GONDA, P. JAL NIGAM RURAL GONDA



GA INFRA- VISHWANATH PROJECTS LIMITED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF KATILIYA BHOOP SINGH W/S SCHEME, BLOCK -CHITTAURA , DISTRICT- BAHAIRACH



1	Bore Size	600 X 450 mm
2	Assembly Size	300 X 150 mm
3	Drilling Depth	305.00 Mbgl
4	Logging Depth	300.45Mbgl
5	Date of Logging	24.05.2023
6	Required Discharge	700 LPM/45m
7	Date of Lowering	26.05.2023

LOGGING REPORT-

Sl. No.	Depth Range(mbgl)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	7	TOP SOIL	7.0	
2	7	20	CLAY WITH SAND	13.0	
3	20	32	COARES GRAIN SAND	12.0	GOOD
4	32	38.5	FINE SEDIMENT	6.5	
5	38.5	44	COARES GRAIN SAND	5.5	GOOD
6	44	53	CLAY WITH SAND	9.0	
7	53	80	COARES TO MEDIUM GRAIN SAND	27.0	GOOD
8	80	89	CLAY WITH SAND	9.0	
9	89	113	COARES TO MEDIUM GRAIN SAND & KANKAR	24.0	GOOD
10	113	121.5	CLAY	8.5	
11	121.5	137.5	COARES TO MEDIUM GRAIN SAND	16.0	GOOD
12	137.5	155.5	CLAY WITH SAND	18.0	
13	155.5	158	MEDIUM GRAIN SAND	2.5	GOOD
14	158	164	CLAY	6.0	
15	164	187.5	MEDIUM GRAIN SAND	23.5	GOOD
16	187.5	198	CLAY WITH SAND	10.5	
17	198	203	MEDIUM TO FINE GRAIN SAND	5.0	GOOD
18	203	215	COARES TO MEDIUM GRAIN SAND	12.0	GOOD
19	215	220	FINE SEDIMENT	5.0	
20	220	237	MEDIUM GRAIN SAND WITH KANKAR	17.0	GOOD
21	237	243	FINE SEDIMENT	6.0	
22	243	250	COARES GRAIN SAND	7.0	GOOD
23	250	254	CLAY	4.0	
24	254	270	MEDIUM TO FINE GRAIN SAND	16.0	GOOD
25	270	278.5	FINE SEDIMENT	8.5	
26	278.5	299	COARES GRAIN SAND	20.5	GOOD

Note:-

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

Sl. No.	Descriptions	Length(m)	Remarks
1	300mmφ Housing Pipe	42.05	
2	50mmφ Plain Pipe	203.75	
3	50mm Slotted Pipe	30.00	
4	300mmX150mm Reducer	0.20	
Total Assembly		276.00	
Less AGL		0.50	
TOTAL BGL		275.50	



GA INFRA- VISHWANATH P. LTD.

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

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

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

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

(EE, UPJN(RURAL) E&M
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 - KATILIYA BHOOP SINGH

2. BLOCK- CHITTAURA

3. DATE OF TESTING - 04-07-2023

4. T.W SIZE - 300X150 MM

5. S.W.L- 4.82

6. AIR LINE LOWERED - 266 MTR

7. DISCHARGE MEASURED BY- M.S 90 ° V-NOTCH TANK

8. DEPTH OF TUBEWELL- 275.50MTR

9. REQUIRED DICHAARGE - 700 Lpm

SR.NO	DEPTH OF AIR LINE LOWERED	DISCHARGE WATER HEAD 90 ° V-NOTCH TANK		STARTING PRESSURE	RUNNIG PRESSURE	DEPRESSION		SAND CONTENT IN PPM					REMARK
		IN MM	IN LPM			IN KGF/CM^2	IN	IN KGF/CM^2	MTR	STARTING	5 MIN	10 MIN	
1	266	220	1914	26.5	25.5	1.0	10	4,500	2,500	1,700	1,000	700	

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

TEST CONDUCTED IN PRESENCE OF BY.



[Signature]
TIP

[Signature]
Junior Engineer
JUNIOR OFFICE (EIM)
DIVISION OFFICE RURAL GONDA
U.P. JAL NIGAM RURAL GONDA

[Signature]
Assistant Engineer
ASSISTANT OFFICE (EIM)
DIVISION OFFICE RURAL GONDA
U.P. JAL NIGAM RURAL GONDA

Executive Engineer

Divisional office U.P Jal Nigam (Rural) Gonda.U.P-271001.



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 - KATALIYA BHOOP SINGH
- 2.BLOCK - CHITTAURA
- 3.DATE OF TESTING -31.10.23
- 4.T.W SIZE - 300 X 150MM
- 5. S.W.L - 4.82 MTR
- 6. COLUMN PIPE LOWERED - 24 MTR
- 7. SIZE OF COLUMN PIPE - 100 MM
- 8. ORIFICE SIZE - 6"X4"
- 9. CAPACITY OF O.P UNIT- 1 Cusec
- 10. REQUIRED DICHARGE - 700 Lpm

SR.NO	DISCHARGE THROUGH ORFICE SIZE 6"X4"		S.W.L	R.W.L	DEPRESSION	SAND CONTENT IN PPM				REMARK	
	IN INCH	IN LPM				IN Mtr	IN Mtr	STARTING	5 MIN		10 MIN
			Tr	CL	CL				CL		
1	35	1419	4.82	8.97	4.15	300	150	50	Tr	CL	
2	20	1078	4.82	8.04	3.22	100	50	Tr	CL	CL	
3	8.5	719	4.82	6.98	2.16	50	Tr	CL	CL	CL	

NOTE: Recommended Discharge 700 Lpm at 2.16 mtr depression pump should be run atleast 10 min in By pass then after taken in line.

TEST CONDUCTED IN PRESENCE OF BY



[Signature]
TPI

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

[Signature]
Assistant Engineer
ASSISTANT ENGINEER
DIVISION OFFICE (EAM)
U.P. JAL NIGAM RURAL GONDA

Executive Engineer

Log Book

Development and Yield Test of T.W. by O.P. Unit of Area No. 1000/1000 W. Distt: Bathinda

Date	Time of start	Time of close	During Hours	Height of orifice pipe in inches	Discharge in LMP	S.W.L. in mtr	R.W.L. in mtr	Depression in mtr	Sand Contents in P.P.M							Signature of O.P. Unit Operator
									Starting	5min	10min	15min	20min	25min	30min	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
23/10/23	7:30 AM	11:50 AM	4:20													[Signature]
"	12:15 PM	4:40 PM	4:25													[Signature]
"	05:20 PM	7:55 PM	2:35													[Signature]
24/10/23	7:00 AM	12:40 PM	4:40													[Signature]
"	11:50 PM	5:50 PM	4:35													[Signature]
"	6:20 PM	8:55 PM	2:35													[Signature]
25/10/23	8:00 AM	11:40 PM	5:40													[Signature]
"	2:00 PM	6:50 PM	4:50													[Signature]
26/10/23	7:00 AM	1:40 PM	6:40													[Signature]
"	8:00 PM	5:40 PM	3:40													[Signature]
"	6:15 PM	8:50 PM	2:35													[Signature]
27/10/23	7:30 AM	12:40 PM	5:10													[Signature]
"	1:30 PM	4:35 PM	4:05													[Signature]
"	5:00 PM	7:15 PM	2:15													[Signature]
28/10/23	7:00 AM	1:55 PM	6:15													[Signature]
"	2:30 PM	8:40 PM	6:10													[Signature]
29/10/23	7:00 AM	10:55 AM	3:55													[Signature]
"	12:25 PM	1:20 PM	0:55													[Signature]
"	1:30 PM	2:30 PM	0:10													[Signature]
30/10/23	8:00 AM	12:55 PM	4:55													[Signature]
"	1:30 PM	4:40 PM	3:10													[Signature]
"	5:15 PM	8:35 PM	3:20													[Signature]
31/10/23	7:00 AM	12:00 PM	5:00													[Signature]
"	2:30 PM	6:45	4:15													[Signature]
			9:1:00													[Signature]

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



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: U1683852516202542

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: Katiliya Bhup Singh

Gram Panchayat: Katiliya Bhup Singh

Block: Chitaura

District: Bahraich

State: Uttar Pradesh

Address:

Remarks:

Latitude: 27.670365

Longitude: 81.637348

Date & time of sample collection

01.11.2023 | 03:10:00 PM

Date & time of sample received in lab

03.10.2023 | 01:31:00 PM

Date & time of sample analysed

09.11.2023 | 02:36:00 PM

Date & time of report generation

02.12.2023 | 06:19:55 PM

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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	0.063	
2	Barium (as Ba)	mg/l	0.7	No Relaxation	0.132	
3	Boron (as B)	mg/l	0.5	1	0.302	
4	Cadmium (As Cd)	mg/l	0.003	No Relaxation	0.000	
5	Calcium (as Ca)	mg/l	75	200	5.460	
6	Chloride (as Cl)*	mg/l	250	1000	12.500	
7	Copper (As Cu)	mg/l	0.05	1.5	0.032	
8	Fluoride (as F)*	mg/l	1	1.5	0.130	
9	Free residual Chlorine	mg/l	0.2	1	0.000	
10	Iron (As Fe)*	mg/l	1	No Relaxation	0.132	
11	Lead (as Pb)	mg/l	0.01	No Relaxation	0.003	
12	Magnesium (As Mg)	mg/l	30	100	13.220	
13	Manganese (As Mn)	mg/l	0.1	0.3	0.096	
14	Nickel (As Ni)	mg/l	0.02	No Relaxation	0.001	
15	Nitrate (as NO ₃)*	mg/l	45	No Relaxation	1.230	
16	pH*	NA	6.5-8.5	No Relaxation	7.300	
17	Silver (as Ag)	mg/l	0.1	No Relaxation	0.001	
18	Sulphate (as SO ₄)*	mg/l	200	400	2.330	
19	TDS*	mg/l	500	2000	276.000	
20	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	195.000	
21	Total Arsenic (As As)*	mg/l	0.01	No Relaxation	0.002	
22	Total Chromium (As Cr)	mg/l	0.05	No Relaxation	0.002	
23	Total Hardness (As CaCO ₃)*	mg/l	200	600	185.000	
24	Turbidity*	NTU	1	5	1.790	
25	Zinc (As Zn)	mg/l	5	15	0.058	

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

Sean
Su

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Raj

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, Shrawasti (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/SHRAWASTI/		
RFI Start Date and Time	22-05-2023		
Location:	Kalidya bhoop singh	Anttauna	
For Civil /Works :	6 km work		
Drawing No.			
Description of Work:	Tubewell drillhip work start		
RFI Raised By	Asadullah		
Signature	Asadullah		
Date	21-05-23		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Techn LTD)	Client (UP Jal Nigam)
Comments		drillins work found satisfactory	
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Shrawasti (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/SHRAWASTI/		
RFI Start Date and Time	24-05-23		
Location:	Katiliye Bhoop Singh	Chhaura	
For Civil /Works :	E & M work		
Drawing No.			
Description of Work:	Tubewell Electro logging work		
RFI Raised By	Asadullah		
Signature	Asadullah		
Date	23-05-23		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Techn LTD)	Client (UP Jal Nigam)
Comments		work found satisfactory	
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Shrawasti (UP)		
Client	State Water & Sanitation Mission , Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/SHRAWASTI/		
RFI Start Date and Time	26-05-23		
Location:	Kalilyabhoop Singh	Chhateema	
For Civil /Works :	EE m work		
Drawing No.			
Description of Work:	Tubewell Assembly lowering work		
RFI Raised By	Asadullah		
Signature	Asadullah		
Date	25-05-23		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Techn LTD)	Client (UP Jal Nigam)
Comments		DPT not Performed.	
Signature			
Date			



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Shrawasti (UP)			
Client	State Water & Sanitation Mission , Uttar Pradesh			
Consultant /TPA	Ceinsys Tech LTD.			
EPC Contractor	Ga Infra - VPL (JV)			
RFI No	VPL/JJM/SHRAWASTI/			
RFI Start Date and Time	04-07-23			
Location:	Kathliya bharf Singh		Chk	Chitg
For Civil /Works :				
Drawing No.				
Description of Work:	Air compressor Testing			
RFI Raised By	Asadullah			
Signature	Asadullah			
Date	03-07-23			
Approved		Rejected		NoRe: Not Re:
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Techn LTD)		al Nigam)
Comments		log book not maintain check inspection		
Signature	Asad			
Date				



REQUEST FOR INSPECTION AND APPROVAL



Project	Jal Jeevan Mission Water Project, Shrawasti (UP)		
Client	State Water & Sanitation Mission, Uttar Pradesh		
Consultant /TPA	Ceinsys Tech LTD.		
EPC Contractor	Ga Infra - VPL (JV)		
RFI No	VPL/JJM/SHRAWASTI/		
RFI Start Date and Time	31-10-2023		
Location:	Katiliya bhoop Singh	Chittauri	
For Civil /Works :	E & M work		
Drawing No.			
Description of Work:	OP unit Testij work		
RFI Raised By	Asad ulloah		
Signature	Asadulbh		
Date	30-10-23		
Approved	Rejected	Not Ready	
Department	M/s GA INFRA -VPL(JV)	TPI (M/s Ceinsys Techn LTD)	Client (UP Jal Nigam)
Comments		No barricade at work site area	
Signature			
Date			