



**JAL JEEVAN MISSION
UTTAR PRADESH JAL NIGAM
GOVT. OF UTTAR PRADESH**

Project Name : JAL JEEVAN MISSION
Name Implementing Agency : U.P. Jal Nigam (Rural), Raebareli.
Name of TPI Agency : M/S Ceinsys Tech Ltd.
Name of Contractor : Hugel Infra Pvt Ltd.

Request for Inspection (RFI)

RFI No. : JJM/RBL/Scheme Name / Hugel/Erection/..371..... Date :- 30/11/24

Inspection Requested for :-

(Please✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well✓.....
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Solar work

Scheme :- Atraheta
Block :- Maharajganj
Pkg :- 08

Description of Work :- DC Drilling.
Items of Work :- E&M
Work Description :- Inspection
Checking for :-
Schedule / Programme :- From Date:- 30/11/24

Requested by :- Krishna Rathod {8329218818}
Name & Signature :-
Date / Time :- 30/11/24

Received by :-
Name & Signature :-
From TPIA/UPJN :-
Date/Time :-

S.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	DC Drilling.				

Tick "3" to Indicate

☐ Approval for work/ Commencement of Work

☐ Remedial work but no further approval required

☐ Remedial work as below but Re-inspection as below & approval Required

Comments if any :

Sign :
Name : Pankaj Swivedi
Date : 02-01-2025
TPI :

Sign :
Name :
Date :
UPJN :

Sign :
Name :
Date :
Contractor : Hugel Infra Pvt. Ltd.



**JAL JEEVAN MISSION
UTTAR PRADESH JAL NIGAM
GOVT. OF UTTAR PRADESH**

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Name of Implementing Agency : U.P. Jal Nigam (Rural), Raebareli.
Name of TPI Agency : Ceinsys Tech Ltd.
Name of Contractor : Hugel Infra pvt.ltd

Request for Inspection (RFI)

RFI No. : JJM/RBL/Scheme Name/ Hugel/Erection/378 Date :- 06/12/2024

Inspection Requested for :-

(Please ✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well ✓
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Miscellaneous

Scheme :- Atraheta 1st TW

Block :- Maharajganj

Pkg :- 08

Description of Work :- Electro logging
Items of Work :- E&M
Work Description :- Inspection
Checking for :- from date :- 06/12/2024
Schedule / Programme :-

Requested by :- Krishna Rathod
Name & Signature :- Krishna Rathod
Date / Time :- 06/12/2024

Received by :- Pankaj
Name & Signature :- Pankaj
From TPIA/UPJN :- Pankaj
Date/Time :-

S.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	Electro logging				

Tick "3" to Indicate

- ☐ Approval for work/ Commencement of Work
☐ Remedial work but no further approval required
☐ Remedial work as below but Re-inspection as below & approval Required

Comments if any :

Sign : Pankaj
Name : Pankaj Dwivedi
Date : 02-01-2025
TPI :

Sign :
Name :
Date :
UPJN :

Sign : Krishna Rathod
Name :
Date :
Contractor : Hugel infra Pvt. Ltd.



JAL JEEVAN MISSION UTTAR PRADESH JAL NIGAM GOVT. OF UTTAR PRADESH

Project Name : JAL JEEVAN MISSION
Name Implementing Agency : U.P. Jal Nigam (Rural), Raebareli.
Name of TPI Agency : M/S Ceinsys Tech Ltd.
Name of Contractor : Hugel Infra Pvt Ltd.

Request for Inspection (RFI)

RFI No. : JJM/RBL/Scheme Name / Hugel/Erection/.392..... Date :- 17/12/2024

Inspection Requested for :-

(Please✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well ✓
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Solar work

Scheme :- Atrehta 1st Two
Block :- Maharajganj
Pkg :- 08

Description of Work :- Lowering work
Items of Work :- EDM
Work Description :-
Checking for :- Inspection for TPIA & Jal Nigam
Schedule / Programme :- From date :- 17/12/2024

Requested by :- Krishna Rathod {8329218818}
Name & Signature :-
Date / Time :-

Received by :-
Name & Signature :-
From TPIA/UPJN :-
Date/Time :-

S.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	Lowering work				

Tick "3" to Indicate

Approval for work/ Commencement of Work

Remedial work but no further approval required

Remedial work as below but Re-inspection as below & approval Required

Comments if any : (i) Pea gravel was not stacked properly at site.
(ii) SP Test not performed at site.

Sign :
Name : Pankaj Dwivedi
Date : 02-01-2025
TPI :

Sign :
Name :
Date :
UPJN :

Sign :
Name :
Date :
Contractor : Hugel Infra Pvt. Ltd.



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSTIN: 09ANAPS3037Q1ZG

MSME: UDYAM-UP-50-0135993

Ref: GIC/JJM/ Raebareli/398

Date: 06.12.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Atrehta, Block – Mahrajganj
District - Raebareli

Drilling Depth : 355 mbgl as reported by Driller

Logged Depth : 350 mbgl

Date of Logging : 06.12.24

Types of Log : S.P. & Resistivity (Normal & Lateral)



Logger Used : Uptron

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	R_{mf} & R_w
1	32 – 42	10	Good	$R_{mf} = 13.2 \Omega m$ $R_w = 14.8 \Omega m$
2	47 – 51	4	Good	
3	72 – 85	13	Good	
4	186 – 193	7	Good to moderate	
5	214 – 220	6	Good to moderate	
6	227 – 246	19	Good	
7	265 – 271	6	Good to moderate	
8	275 – 285	10	Good to moderate	
9	310 – 319	9	Good to moderate	

Remark : Formation water quality is deteriorating marginal to saline below 92 mbgl to 180 mbgl. Good clay encountered in between 180 mbgl to 185 mbgl. Expected TDS of good to moderate zone are 600 – 700.

C C : Hugel Infra Private Limited.



(R.K. Singh)
Geophysicist

GP- ATREHTA
BLOCK - MAHARAJGANTJ.
LPM - 700

		+0.5M	11	6
			10	6
44	300mm	6	9	6
43		6	8	6
42		6	7	6
41		6	6	6
40		6	5	0.5 229.00
39		6	4	6
38		6	3	6
37		6	2	3 244.00
36		6	1	6 250.00
	300x150	0.2 53.70		
35		6		
34		6		
33		6		
32		0.8 72.50		TOTAL DEPTH = 250.00m
31		6		TOTAL SLOPE = 27.00m
30		6 84.50		
29		6		
28		6		
27		6		
26		6		
25		6		
24		6		
23		6		
22		6		
21		6		
20		6		
19		6		
18		6		
17		6		
16		6		
15		6		
14		6		
13		6		
12		6		

OFFICE OF THE EXECUTIVE ENGINEER

DIVISIONAL ENGINEER (WATER) RAEBARELI

Lowered Assembly Plan-Atrehta 1st tw, Block-Majhrajganj JJM-PKG-8 -(MON -RO WSS)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

District -

Raebareli

LPM-700

Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELI

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; margin-right: 10px;"></div> <div> <p>600mm</p> <p>450mm</p> </div> </div>	±0.00		Ø 300 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-8.00		Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.
			Ø 300 X Ø 150 mm dia	Reducer from	53.50	MBGL to	53.70	MBGL	0.20	M.
			Ø 150 mm dia Housing	Plain pipe from	53.70	MBGL to	72.50	MBGL	18.80	M.
			Ø 150 mm dia Housing	Slotted pipe from	72.50	MBGL to	84.50	MBGL	12.00	M.
			Ø 150 mm dia Housing	Plain pipe from	84.50	MBGL to	229.00	MBGL	144.50	M.
			Ø 150 mm dia Housing	Slotted pipe from	229.00	MBGL to	244.00	MBGL	15.00	M.
			Ø 150 mm dia Housing	Plain pipe from	244.00	MBGL to	250.00	MBGL	6.00	M.
Total Assembly (AGL + BGL) - 250.50 M.										

ABSTRACT	
1. Drilling Started on Dated -	04.12.2024
2. Drilling Completed on Dated --	17.12.2024
3. Drilling Depth -	600 mm Dia 60.00 M
	450 mm Dia 290.00 M
	Total- 350.00 M
4. Assembly lowered on Dated -- 12-12-2023	
5. Assembly Lowered -	
(A) Housing pipe 300 mm dia(AGL) -	0.50 M
(B) Housing pipe(Plain)300 mm dia(BGL) -	53.50 M
(C) Slotted pipe 200 mm dia -	0.00 M
(D) Reducer (300 mmX 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	27.00 M
(F) Plain pipe 150 mm dia -	169.30 M
Total assembly-	250.50 M
7. Yield Test Date of T/w - N/A	
8. Recommended Discharge - N/A	
9. Pea-Gravel - 49.38 CUM	
10. MS Ring 300mm- 8 NOS	11. MS Ring 200mm- NOS.
12. MS Ring 150mm- 34 NOS	13. MS Ring 100mm- NOS.
14. MS Ring 75mm- 1 NOS	15. Reducer 300mmx150mm- 1 NOS
16. Reducer 200x150mm- NOS.	17. MSSl Clamp 300mm- 1 NOS
18. MSSl Clamp 200mm - NOS	19. TW Assembly Support- 300mm -1 NOS
20. MS Well Cap-300mm-1 NOS	21. MS Well Cap-200mm- NOS
22. Center Guide-300mm- NOS	23. Center Guide-200mm- NOS
24. Center Guide-150mm- 8 NOS	

Ground water investigation centre REF: GIC/JJM/RBL/398 ,Dated-06.12.2024			
Depth Logged-350m bgl		Date of Logging-06.12.2024	
Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	32-42	10	Good
2	47-51	4	Good
3	72-85	13	Good
4	186-193	7	Good to moderate
5	214-220	6	Good to moderate
6	227-246	19	Good
7	265-271	6	Good to moderate
8	275-285	10	Good to moderate
9	310-319	9	Good to moderate

Remark:- Formation water quality is deteriorating marginal to saline below 92 mbgl to 180 mbgl. Good clay encountered in between 180 mbgl to 185 mbgl . Expected TDS of good to moderate zone are 600-700.

Manager (G.W.)

Prepared & Proposed By

M/S HUGEL INFRA PVT. LTD ,
PROJECT (RO WSS-Raebareli)

Checked By

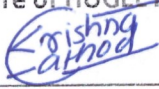
TPIA
(CEINSYS)

Recommended By

Assistant Engineer
(UPJN)

Approved By

Executive Engineer
(UPJN)

Project :	Re-Organization work of water supply Scheme pkg -5, 8 and 9 under Under Jal Jeevan Mission Programme			
Client :	UTTAR PRADESH JAL NIGAM (RURAL)			
Contractor :	Hugel Infra Pvt.ltd.			
TPI:	Ceinsys Tech Ltd.			
SIEVE ANALYSIS FOR PEA GRAVEL . (IS 4097-2019)				
Report on			Date of sampling	16/12/2024
Sample location	Block: <u>Maharajgunj</u>	Scheme: <u>Atrehta 1st W</u>	Date of Testing	17/12/2024
GRADATION OF GRAVEL		Pkg No : <u>08</u>	Weight of sample	<u>2000 gm</u>
IS Sieve Size (mm)	Weight Retained (gm)	Cumm. Weight Retained (gm)	Cumm. Percent Retained (%)	Percent of Passing (%)
6.3	16	16	0.8	99.2
4.75	390	406	20.3	79.7
3.35	1575	1981	99.05	0.95
2	17	1998	99.9	0.1
PAN				
Remarks :				
Signature of HUGEL representative 		TIPA (Ceinsys) <u>Pankaj</u>	UPJN	
Date	<u>17/12/2024</u>	Dated	Date	