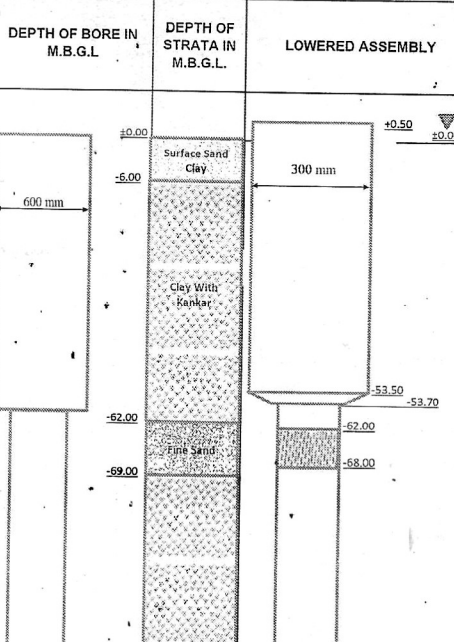


OFFICE OF THE EXECUTIVE ENGINEER

DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-Kunwarmau 1st T/W, Block-Chhath JIM-PKG-9 -(Kunwarmau -RO WSS) District - Raebareli
 Type of Rig Machine- D. C RIG MACHINE Size of Bore - 600 X 450mm, Static W/L- LPM- 660
 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									
	±0.00	Surface Sand Clay	200 mm	±0.00	Ø 300 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-6.00				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	62.00	MBGL	8.30	M.
					Ø 150 mm dia Housing	Slotted pipe from	62.00	MBGL to	68.00	MBGL	6.00	M.
					Ø 150 mm dia Housing	Plain pipe from	68.00	MBGL to	291.00	MBGL	223.00	M.
					Ø 150 mm dia Housing	Slotted pipe from	291.00	MBGL to	300.00	MBGL	9.00	M.
					Ø 150 mm dia Housing	Plain pipe from	300.00	MBGL to	302.00	MBGL	2.00	M.
					Ø 150 mm dia Housing	Slotted pipe from	302.00	MBGL to	310.00	MBGL	8.00	M.
					Ø 150 mm dia Housing	Plain pipe from	310.00	MBGL to	312.50	MBGL	2.50	M.
					Ø 150 mm dia Housing	Slotted pipe from	312.50	MBGL to	316.50	MBGL	4.00	M.
					Ø 150 mm dia Housing	Plain pipe from	316.50	MBGL to	322.50	MBGL	6.00	M.

ABSTRACT

- Drilling Started on Dated - 01.04.2024
- Drilling Completed on Dated - 10.04.2024
- Drilling Depth - 600 mm Dia 60.00 M
 500 mm Dia 290.00 M
 Total- 350.00 M
- Assembly lowered on Dated - 11-04-2024
- 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 300 mm dia -	0.00 M
(D) Reducer (300 mm X 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	27.00 M
(F) Plain pipe 150 mm dia -	241.80 M
Total assembly-	323.00 M
- Yield Test Date of T/w - N/A
- Recommended Discharge - N/A
- Pea-Gravel - 58.12 CUM
- MS Ring 300mm- 08 NOS
- MS Bail Plug 150mm- 1 NOS
- MSSI Clamp 300mm- 1 NOS
- MS Well Cap-300mm-1 NOS
- Center Guide-150mm-4 NOS
- MS Ring 150mm- 48 NOS
- Reducer 300mmx150mm- 1 NOS
- TW Assembly Support- 300mm - 1 NOS

LOGGING REPORT (Ground Water Investigation Center) REF:GIC/JIM/Raebareli/338 ; Dated - 04-04-2024

Depth Logged-350 mbgl			Date of Logging-04.04.2024
Sl.	Depth Range Mbgl	Thickness m.	Types of strata
1	35-40	5	Good
2	62-69	7	Good
3	267-275	8	Moderate
4	291-300	9	Good to moderate
5	302-310	8	Good to moderate
6	312-317	5	Good to moderate
7	320-335	15	Good to moderate

Note:- 1. Formation water quality is deteriorating marginal to saline below 75 mbgl to 260 mbgl. Good Clay encountered in between 260 mbgl to 266 mbgl. Expected TDS of moderate zones are 800-900 & good to moderate zones are 600-800. Below 335 mbgl to 350 mbgl Clay kankar exist.

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)



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

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/338

Date: 04.04.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kunwarmau Tw Ist, Block – Chhatohj
District - Raebareli
Latitude – 26.181959⁰, **Longitude** – 81.539611⁰

Drilling Depth : 355 mbgl as reported by Driller

Logged Depth : 350 mbgl

Date of Logging : 04.04.24

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

Logger Used : Upton

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	35 – 40	5	Good	$R_{mf} = 13 \Omega m$ $R_w = 15.2 \Omega m$
2	62 – 69	7	Good	
3	267 – 275	8	Moderate	
4	291 – 300	9	Good to moderate	
5	302 – 310	8	Good to moderate	
6	312 – 317	5	Good to moderate	
7	320 – 335	15	Good to moderate	

Remark: Formation water quality is deteriorating marginal to saline below 75 mbgl to 260 mbgl. Good clay encountered in between 260 mbgl to 266 mbgl. Expected TDS of moderate zone are 800 – 900.& good to moderate zones are 600 – 800. Below 335 mbgl to 350 mbgl, clay kankar exist.

C C : Hugel Infra Private Limited



(R.K. Singh)
Geophysicist



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

Mob: 9450659011, 8840756551, 9450364183

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GSITN: 09ANAPS3037Q1ZG



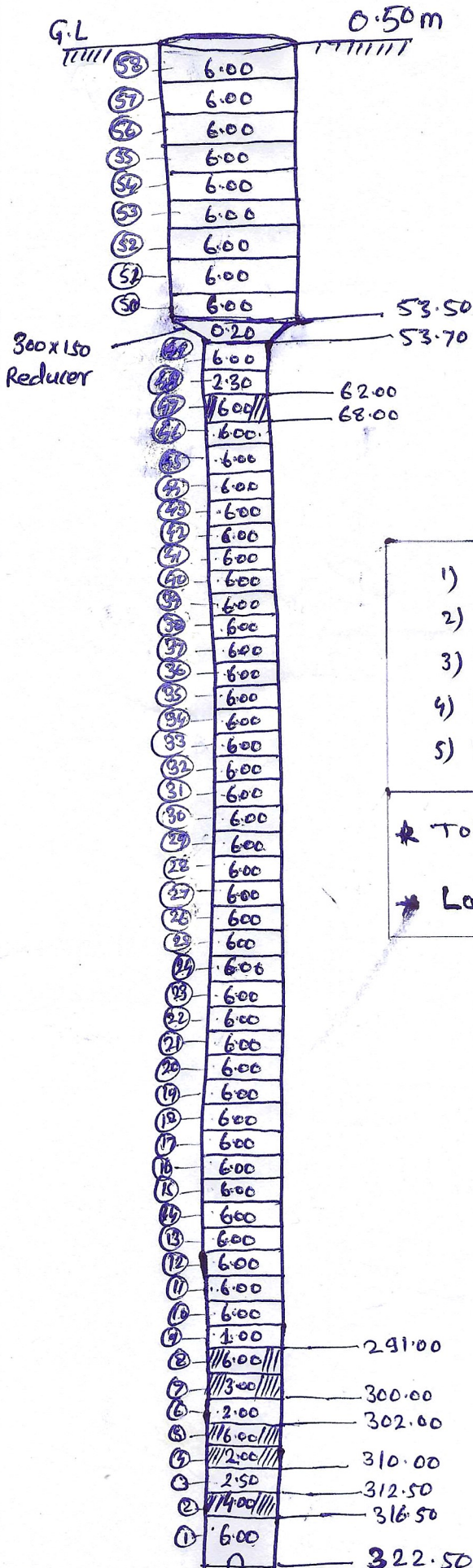
(A.K. Singh)
Geophysicist

Proposed Lowering chart Kunwarman 1st T/W

Discharge :-

T/W Bore size = 600x450mm

T/W Assembly size = 300x150 mm



Elector Logging

1. 35-40 = 5
2. 62-69 = 7
3. 267-275 = 8
4. 291-300 = 9
5. 302-310 = 8
6. 312-317 = 5
7. 320-335 = 15

- 1) 300mm plain pipe AGL = 0.50m
- 2) 300mm plain pipe BGL = 53.50m
- 3) 150mm plain pipe BGL = 241.80m
- 4) 150mm slotted pipe BGL = 27.00m
- 5) 300x150mm Reducer = 0.20m

* Total Lowering Assembly (AGL + BGL) = 323.00m

* Lowered Assembly (BGL) = 322.50m



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

Project Name : JAL JEEVAN MISSION
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/0156 Date :- 02/04/2024

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

Description of Work :- DC Drilling
GP :- Kunwarman 1st T/W
Block & PKG :- Chatch - (09)
Checking for :- Inspection for DC Drilling.
Schedule / Programme :- from Dt :- 02/04/2024

Requested by :- Krishna Rathod
Name & Signature :- [Signature]
Date / Time :- 02/04/2024

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

Sr.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	DC Drilling	350	m		

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 :
Date : 15-04-2024

Sign :
Name :
Date :

Sign : [Signature]
Name :
Date : 02/04/24



**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/0159 Date :- 03-04-2024

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 :- Kunwarman 1st T1W

Block :- chatch.

PKG :- 09

Description of Work :- Electro Logging work

Items of Work :-

Work Description :-

Checking for :- Inspection for electro logging.

Schedule / Programme :- TPIA Inspection.
From :- 04/04/2024

Requested by :- Krishna Rathod

Name & Signature :-

Date / Time :-

[Signature]
03/04/2024

Received by :-

Name & Signature :-

From TPIA/UPJN :-

Date/Time :-

[Signature]

S.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	Electro Logging	350	m		

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 : *[Signature]*
Name :
Date : 15-04-2024
TPI :

Sign :

Name :

Date :

UPJN :

Sign :

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/ 0.163 Date :- 09/04/2024

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 :- Kunwarman 1st T/w

Block :- Chatoh.

PKG :- 09

Description of Work :- Lowering work

Items of Work :-

Work Description :-

Checking for :-

Schedule / Programme :-

Inspection for Lowering work

TPIA

from :- 10/04/2024

Requested by :- Krishna Rathod

Name & Signature :- [Signature]

Date / Time :-

9/04/2024

Received by :-

Name & Signature :- [Signature]

From TPIA/UPJN :-

Date/Time :-

S.No.	Item Description	Quantity	UOM	Inspection Category (Process/Final Stage)	Remarks
1.	Lowering work	322.50	m		

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 : (1) Pea gravel was not stacked properly at site.
(2) DP Test not performed at site.

Sign :

Name : Pankaj

Date : 15-04-2024

TPI : 15-04-2024

Sign :

Name :

Date :

UPJN :

Sign :

Name :

Date :

Contractor : [Signature]
09/04/24
Hugel Infra Pvt. Ltd.

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	08/04/2024
Sample location	Block: <i>chatoh</i>	Scheme: <i>Kunwaromay 1st</i>	Date of Testing	09/04/2024
GRADATION OF GRAVEL		Pkg No : <i>09</i>	Weight of sample	<i>2000 g</i>
IS Sieve Size (mm)	Weight Retained (gm)	Cumm. Weight Retained (gm)	Cumm. Percent Retained (%)	Percent of Passing (%)
6.3	<i>85</i>	<i>85</i>	<i>4.25</i>	<i>95.75</i>
4.75	<i>654</i>	<i>739</i>	<i>36.95</i>	<i>63.05</i>
3.35	<i>1241</i>	<i>1980</i>	<i>99.00</i>	<i>1.00</i>
2	<i>18</i>	<i>1998</i>	<i>99.9</i>	<i>0.10</i>
PAN				
Remarks :	<i>Oversize</i>			
Signature of HUGEL representative <i>[Signature]</i>		TIPA (Ceinsys) <i>Pankaj</i>	UPJN	
Date <i>09/04/2024</i>		Dated	Date	