

L.C INFRA PROJECTS PVT. LTD.

Site office - House no. 110/B-9, Pardaha Mill Road (Near New public school), Mau. 275101 (U.P.)

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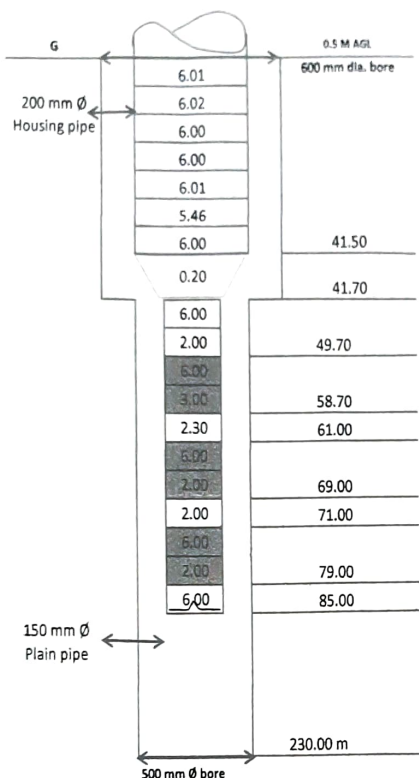
Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Jagdishpur water supply scheme, Block- Ratanpura, District- Mau. (Under - JIM/Mau)

Name of client- Executive Engineer Division office (E/M), U.P Jal Nigam (Rural) Son - Bhardra .

Required Discharge:- 600 lpm Size of T.W. assy- 200 mm x150mm dia.

(Not to Scale)

Detail of Strata



Detail of Lowering

Date: -

28-12-2023

Sl. No.	Description	Length (m)
1	Drilling depth	230 m
2	Total housing pipe dia 200 mm	42 m
3	Total plain pipe dia 150 mm	18.3
4	Total slotted pipe dia 150 mm	25.00
5	Size of assembly lowering	200 mmØ x 150mmØ
6	200 mmØ x 150mmØ M.S. Reducer	0.20 m
7	BGL	85.00
8	Total Assembly Length	85.50

Detail of Strata

From (m)	To (m)	Thick (m)	Desceraction of the strata
0	24	24	Clay
24	41	17	Fine Sand with Kankar
41	49	8	M.sand
49	58	9	Fine to M. Sand
58	61	3	M. Sand With Kankar
61	69	8	Fine to M. Sand
69	71	2	Sandy Clay
71	79	8	Fine to M. Sand
79	85	6	Sand Clay with kankar
85	100	15	Sandy Clay

Logging Report

Date:-

25-12-2023

Sl. No.	Depth Range (mbgl)	Thickness(m)	Remarks
1	11-21.	10	Good
2	31-41	10	Good
3	49-59	10	Good
4	61-69	8	Good
5	71-79	8	Good
6	165-175	10	Good
7	181-191	10	Good
8	209-221	12	Good

Note:

1. Fine bands of Kankar are intermixed with almost all the zone.
2. The formation water is deteriorated at depth range between 95 to 145 mbgl.
3. Pre dominant Clay is present in depth range between 121.0 to 129.0 and 133.0 to 143 m bgl
4. Pre - monsoon water level to be ensured before lowering the well assembly

L C Infra Pvt Ltd

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GEOTECH ENTERPRISE

A Ground Water Exploration Technic's & Consultancy Service

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Ref./ UP-166/ 12 – 2023

Dated: 26-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Jagdishpur
Block : Ratanpura
District : Mau
State : Uttar Pradesh
Date of Logging : 25-12-2023
Drilling Depth : 230.0 m bgl
Logging Depth : 225.0 m bgl
Rm / Rw : 16 Ω .m / 14 Ω .m
Borehole Drilled by : L.C. Infra Projects Pvt. Ltd. Mau, U.P.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N – 16")**, **Long Normal (N – 64")** and **Lateral 6'** Geophysical Logs, following information/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
01	11 – 21	10	Good
02	31 – 41	10	Good
03	49 – 59	10	Good
04	61 – 69	08	Good
05	71 – 79	08	Good
06	165 – 175	10	Good
07	181 – 191	10	Good
08	209 – 221	12	Good

Note:

- 1) Fine bands of Kankar are intermixed in almost all zones
- 2) The formation water is deteriorated at depth range between 95.0 to 145.0 m bgl
- 3) Predominant clay is present in depth range between 121.0 to 129.0 and 133.0 to 143.0 m bgl
- 4) Please ensure pre – monsoon water level before lowering the well assembly



Avinash Goswami

Geologist

For Geotech Enterprise



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