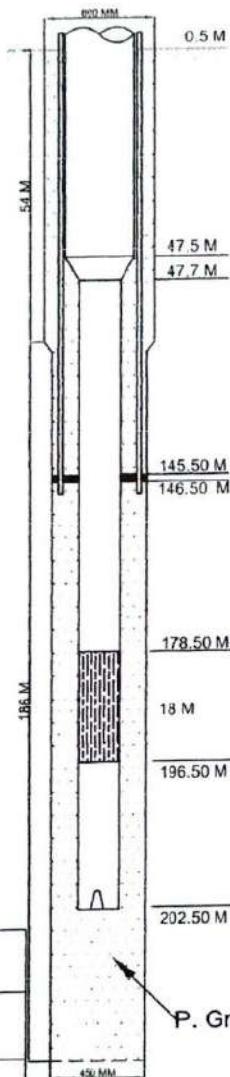


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Sumer Nagar Colony Block-Palia, District, Lakhimpur Kheri.
Name of Program :- J. J. M-2
Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
Name of Contractor :- M/S NCC Limited
Name of TPI :- Ceinsys Tech Limited
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021
Cover Agreement :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023
Lowered Assembly Chart of T. W of Sumer Nagar Colony G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-10 M, Clay Kankar
10-15 M, Medium Sand
15-20 M, Clay Kankar
20-30 M, Medium Sand
30-35 M, Clay Kankar
35-46M, Fine to Medium Sand
46-52 M, Clay Kankar
52-96 M, Medium Sand
96-102 M, Clay Kankar
102-110 M, Medium Sand
110-112 M, Clay Kankar
112-118 M, Medium Sand
118-122 M, Clay Kankar
122-131 M, fine to Med. Sand
131-140 M, Clay Kankar
140-144 M, Medium Sand
144-158 M, Clay Kankar
158-171 M, Medium Sand
171-178 M, Clay Kankar
178-201 M, Medium Sand
118-122 M, Clay Kankar
122-131M, fine to Med. Sand
122-131 M, fine to Med. Sand
131-140 M, Clay Kankar
140-144 M, Medium Sand
144-158 M, Clay Kankar
158-171 M, Medium Sand
171-178 M, Clay Kankar
178-201 M, Medium Sand
201-210 M, Clay Kankar
210-216M, fine to Med. Sand
216-220M, fine to Med. Sand



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 350 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 28.10.2023
7	Drilling Completion Date	:- 02.11.2023
8	Total Depth Of Drilling	:- 240 M
9	Logging Date	:- 03.11.2023
10	Logging Depth	:- 220 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	52-96	44	Fine to Medium Sand (Good All)
2	102-110	08	
3	112-118	06	
4	122-131	09	
5	140-144	04	
6	158-171	13	
7	178-201	23	
8	210-216	06	

Sr. No.	Description	Zone-1 (178-201 M) Test result	Zone-2 (138-171 M) Test result
1	Fluoride (as F) ⁻	1.00 / 0.696	1.00 / 0.648
2	Iron (As Fe) ⁺	1.00 / 0.840	1.00 / 1.180
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.012

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 18.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 136.80 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 203.00Meter
AGI	:- 00.50 Meter
BGL	:- 202.50 Meter

12. 90mm dia uPVC	:- 147.5x2=295 Meter
13. Date of Lowering	:- 17.11.2023

Recommended & Prepared by

M/S. Ceinsys Tech Ltd.
LAKHIMPUR-KHERI

Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

J.E.
Division Office (E/M)
UP Jal Nigam (R)
Lucknow

Approved by

A.E.
Division Office (E/M)
UP Jal Nigam (R)
Lucknow

E.E.
Division Office (E/M) UP Jal
Nigam (R) Lucknow

Dt - 8/12/23

L.P. - Sumner Nagar Colony Block - Palla Dig - L.P.
 Leg - 350 Size - 200x150 / 18 mt

laggingot - 3/11/23

① $52 - 96 = 44$

2 $102 - 110 = 8$

3 $112 - 118 = 6$

4 $122 - 131 = 9$

5 $140 - 144 = 4$

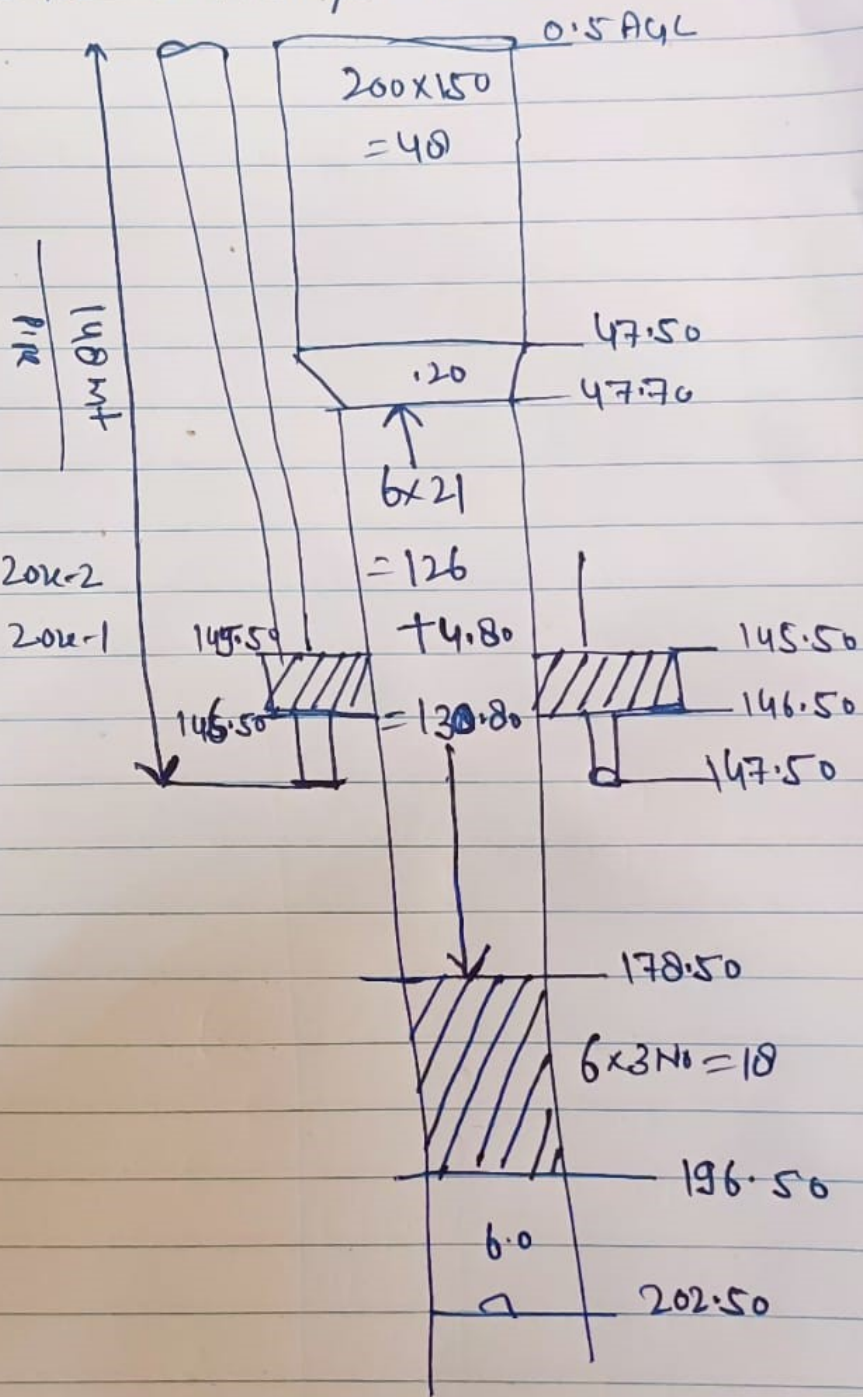
6 $158 - 171 = 13 - 20x-2$

7 $178 - 201 = 23 - 20x-1$

8 $210 - 216 = 6$

$20x-1 = 0.008$

$20x-2 = 0.012$



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SUMER NAGAR COLONY, BLOCK- PALIA, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 240 mtrs. depth. and Logged depth 220 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.Nov.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 19.50 Ohms.

Drilling Water Resistivity = 20.08 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 15	5	Medium sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 30	10	Medium sand	Good
6.	30 - 35	5	Clay kankar	
7.	35 - 46	11	Fine to Medium sand	Good
8.	46 - 52	6	Clay kankar	
9.	52 - 96*	44	Medium sand	Good
10.	96 - 102	6	Clay kankar	
11.	102 - 110*	8	Medium sand	Good
12.	110 - 112	2	Clay kankar	
13.	112 - 118*	6	Medium sand	Good
14.	118 - 122	4	Clay kankar	
15.	122 - 131*	9	Fine to Medium sand	Good
16.	131 - 140	9	Clay kankar	
17.	140 - 144*	4	Medium sand	Good
18.	144 - 158	14	Clay kankar	
19.	158 - 171*	13	Medium sand	Good
20.	171 - 178	7	Clay kankar	
21.	178 - 201*	23	Medium sand	Good
22.	200 - 210	10	Clay kankar	
23.	210 - 216*	6	Medium sand	Good
24.	216 - 220	4	Clay kankar	

Ground Water Survey Consultancy





Jal Jeevan Mission

Har Ghar Jal



District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), Lakhimpur Khiri

Office of Executive Engineer, Construction division, U.P Jal Nigam, Village-Bhansariya Lalpur Barier, Lakhimpur khiri. Pin-262701. (Test Address only)

Test report

Sample ID:

U694800S16355205

User Information

Name:

Rajshekhar Singh

Mobile:

8630881642

Email:

rajkshekarsingh043@gmail.com

Pin Code:

Full Address:

Village- Banstali , Gram Panchayat- Banstali, Block- Lakhimpur, District- Lakhimpur Kheri, State- Uttar Pradesh

Sample description

Source of Sample:

ZONE 1 (178m to 201m) WATER COLLECTION 190m. GP - SUMER

Village:

Sumer Nagar Colony

Gram Panchayat:

Sumer Nagar Colony

Block:

Palia

District:

Lakhimpur Kheri

State:

Uttar Pradesh

Address:

Remarks:

ZONE 1 (178m to 201m) WATER COLLECTION 190m. GP - SUMER NAC

Latitude:

Longitude:

Date & time of sample collection

08.11.2023 | 01:51:00 PM

Date & time of sample received in lab

09.11.2023 | 01:40:00 PM

Date & time of sample analysed

10.11.2023 | 01:43:00 PM

Date & time of report generation

10.11.2023 | 01:44:25 PM

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	Fluoride (as F)*	mg/l	1	1.5	0.698	
2	Iron (As Fe)*	mg/l	1	No Relaxation	0.840	
3	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.008	

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

Authorised signatory
Ankur Dixit (Test Lab Incharge)

*****This is an electronically generated report and does not require a signature.*****

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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Jal Jeevan Mission

Har Ghar Jal



District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), Lakhimpur Khiri

Office of Executive Engineer, Construction division, U.P Jal Nigam, Village-Bhansariya Lalpur Barier, Lakhimpur khiri. Pin-262701. (Test Address only)

Test report

Sample ID:

U694800S16355280

User Information

Name:

Rajshekhar Singh

Mobile:

8630881642

Email:

rajkshekarsingh043@gmail.com

Pin Code:

Full Address:

Village- Banstali , Gram Panchayat- Banstali, Block- Lakhimpur, District- Lakhimpur Kheri, State- Uttar Pradesh

Sample description

Source of Sample:

ZONE 2 (158m to 171m) WATER COLLECTION 165m. GP - SUMER

Village:

Sumer Nagar Colony

Gram Panchayat:

Sumer Nagar Colony

Block:

Palia

District:

Lakhimpur Kheri

State:

Uttar Pradesh

Address:

Remarks:

ZONE 2 (158m to 171m) WATER COLLECTION 165m. GP - SUMER NA

Latitude:

Longitude:

Date & time of sample collection

08.11.2023 | 02:04:00 PM

Date & time of sample received in lab

09.11.2023 | 01:39:00 PM

Date & time of sample analysed

10.11.2023 | 01:42:00 PM

Date & time of report generation

10.11.2023 | 01:43:25 PM

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	Fluoride (as F)*	mg/l	1	1.5	0.648	
2	Iron (As Fe)*	mg/l	1	No Relaxation	1.180	
3	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.012	

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

Authorised signatory
Ankur Dixit (Test Lab Incharge)

*****This is an electronically generated report and does not require a signature.*****

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