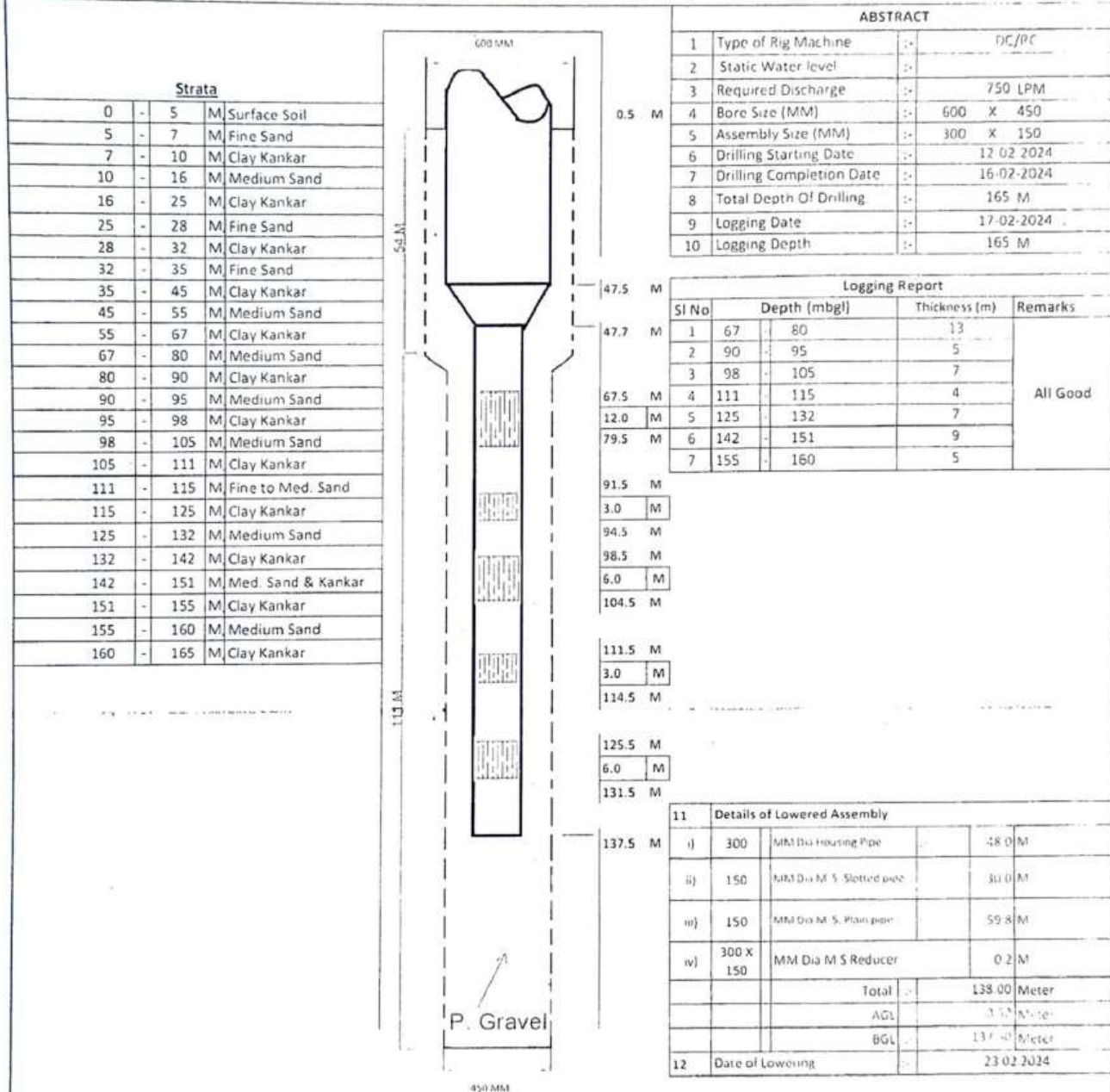


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. CHADEYA PURAB, MUNDA & PIPROLA, Block- Palia, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-2 **Zone -1**
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name Of Contractor :- M/S NCC Limited
 Name Of TPI :- Celnsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

Lowered Assembly Chart of T. W of CHADEYA PURAB, MUNDA & PIPROLA G.P W/S Scheme District :- Lakhimpur Kheri.



Verified by
 M/S. Celnsys Tech Ltd.

Recommended by
 13th Division UP Jal Nigam (R)
 Lucknow

Recommended by
 A E
 13th Division UP Jal Nigam (R)
 Lucknow

Approved by
 E E
 13th Division UP Jal Nigam (R)
 Lucknow

DT-26/02/24

h.p - chediya 200-1

Block-Palya

Dipth-Lkp

leg - 750

Size - 300x150

30 mt

Longgigdt - 17/02/24

① $67 - 80 = 13 = 12$

② $90 - 95 = 5 = 3$

③ $98 - 105 = 7 = 6$

④ $111 - 115 = 4 = 3$

⑤ $126 - 125 - 132 = 7 = 6$

⑥ $142 - 151 = 9$

⑦ $155 - 160 = 5$

Total = $48 + .20 + 19.80$

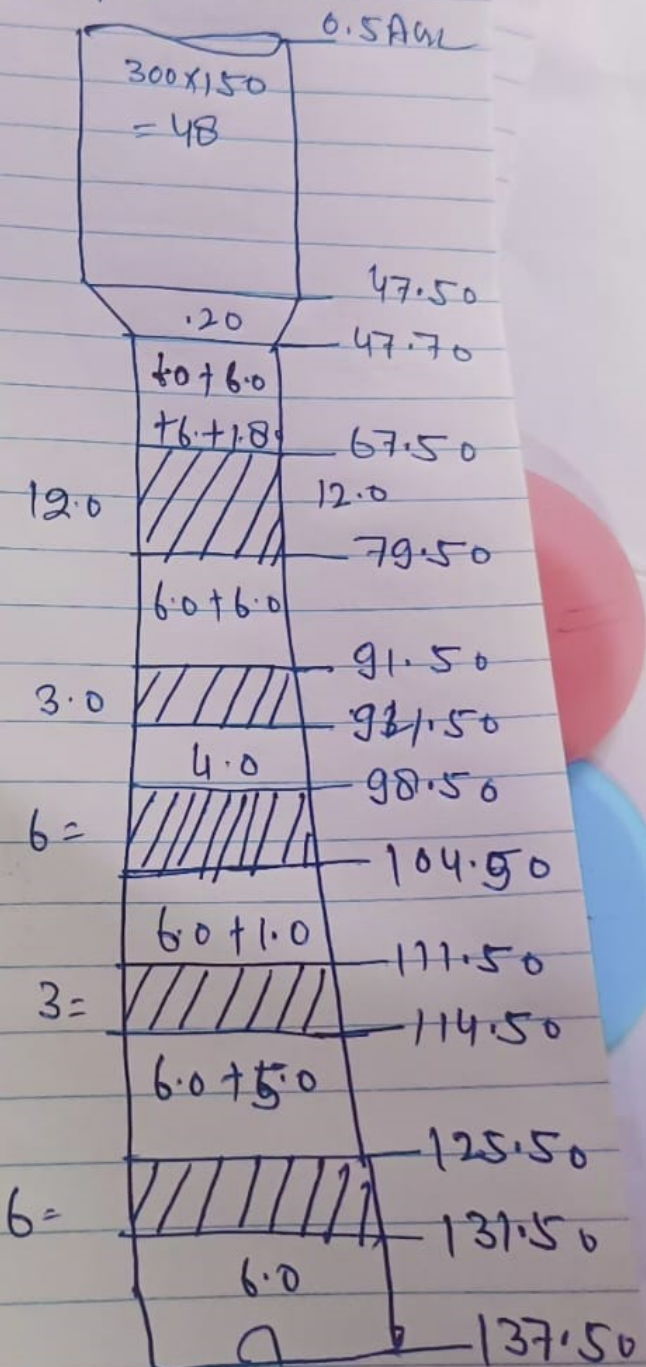
+ $12 + 11 + 11 + 30$

= $138 - 0.5AHL$

= 137.50

WJ

20/02/24



GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-3094

Date:- 17-02-2024

NAME OF SITE

GRAM PANCHAYAT- Chhediya Zone -1 BLOCK- Palia DISTT- Lakhimpur Khiri

NAME OF AGENCY

M/s NCC
Lakhimpur Khiri



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- CHHEDIYA ZONE -1, BLOCK- PALIA, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 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 17.Feb.2024.

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:-

Location = Chhediya Zone -1

Latitude = 17.069929°

Longitude = 27.039687°

Mud Resistivity = 17.06 Ohms.

Drilling Water Resistivity = 27.03 Ohms.

Approx Water Level = 2 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Fine sand	
3.	7 - 10	3	Clay kankar	
4.	10 - 16	6	Medium sand	Good
5.	16 - 25	9	Clay kankar	
6.	25 - 28	3	Fine sand	Good
7.	28 - 32	4	Clay kankar	
8.	32 - 35	3	Fine sand	Good
9.	35 - 45	10	Clay kankar	
10.	45 - 55	10	Medium sand	Good
11.	55 - 67	12	Clay kankar	
12.	67 - 80*	13	Medium sand	Good
13.	80 - 90	10	Clay kankar	
14.	90 - 95*	5	Medium sand	Good
15.	95 - 98	3	Clay kankar	
16.	98 - 105*	7	Medium sand	Good
17.	105 - 111	6	Clay kankar	
18.	111 - 115*	4	Fine to Medium sand	Good
19.	115 - 125	10	Clay kankar	
20.	125 - 132*	7	Medium sand	Good
21.	132 - 142	10	Clay kankar	
22.	142 - 151*	9	Medium sand & kankar	Good
23.	151 - 155	4	Clay kankar	
24.	155 - 160*	5	Medium sand	Good
25.	160 - 165	5	Clay kankar	

Ground Water Survey Consultancy



Conclusions and Recommendations :-

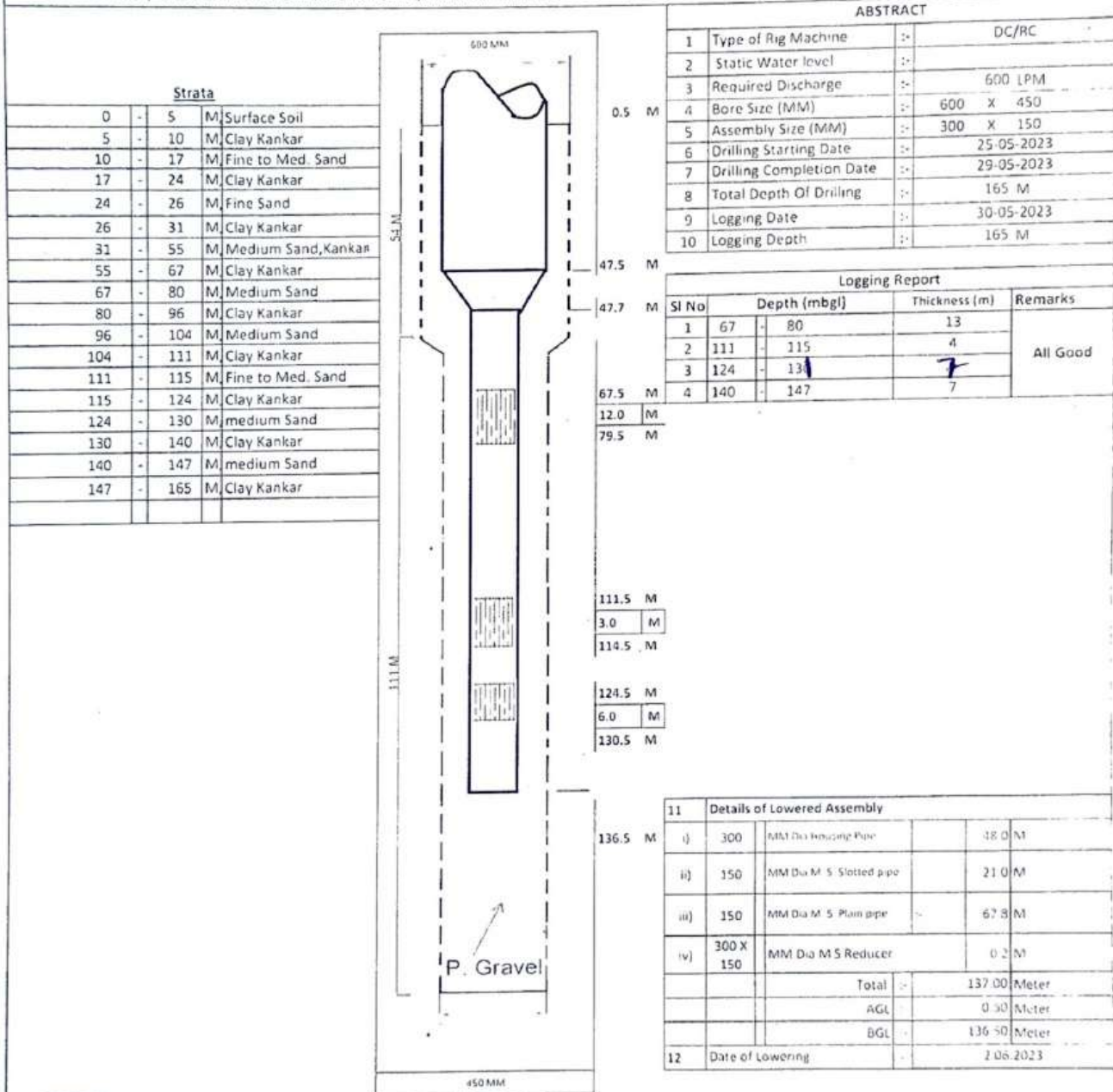
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. CHADEYA PURAB, MUNDA & PIPROLA, Block- Pallia, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-2 **Zone - 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 Dt. 12.03.2021
 Cover Agreement :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

Lowered Assembly Chart of T. W of CHADEYA PURAB, MUNDA & PIPROLA G.P W/S Scheme District :- Lakhimpur Kheri.



Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

13th Division UP Jal Nigam (R)
Lucknow

Approved by

13th Division UP Jal Nigam (R)
Lucknow

13th Division U.P. Jal Nigam (R)
Lucknow

Date 01/06/23

G.P. Chhedia Zone-II

Block Palia - Khari

WL

R. Disch: 600 LPM

11m

A. Size: 300 x 150 mm

6x8

48m

Report- 305/23

1- 67-80 - 13m - 12

2- 111-115 - 4 - 3

3- 124-131 - 7 - 6

4- 140-147 - 7 - 6

5- 147-165 - 18 (158-161)
3m

300 x 150 mm

0.50

47.50

47.70

0.20

6.00

6.00

6.00

1.80

19.80 = 67.50

67-80
13m

6.00

6.00 = 79.50

6.00

6.00

6.00

6.00

6.00

2.00

32.00 = 111.50

111-115
4-

3.00 = 114.50

6.00

4.00

10.00 = 124.50

124-131
7m

6.00 = 130.50

0

6.00 = 136.50

may

(Vikas Yadav) x

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHEDIA ZONE 2, BLOCK- PALIYA,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 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 30.May.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 = 23.50 Ohms.

Drilling Water Resistivity = 24.43 Ohms.

Approx Water Level = 11 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 - 17	7	Fine to Medium sand	Good
4.	17 - 24	7	Clay kankar	
5.	24 - 26	2	Fine sand	Good
6.	26 - 31	5	Clay kankar	
7.	31 - 55	24	Medium sand & kankar	Good
8.	55 - 67	12	Clay kankar	
9.	67 - 80*	13	Medium sand	Good
10.	80 - 96	16	Clay kankar	
11.	96 - 104	8	Sand & kankar	Good
12.	104 - 111	7	Clay kankar	
13.	111 - 115*	4	Fine to Medium sand	Good
14.	115 - 124	9	Clay kankar	
15.	124 - 130* 13	6 7	Medium sand	Good
16.	130 - 140	10	Clay kankar	
17.	140 - 147*	7	Medium sand	Good
18.	147 - 165	18	Clay kankar	

157-154 (3m) - Saw

150 - 161 (3m) |

Sand

31/05/23

Ground Water Survey Consultancy

Agra

Upr

Agra

- Logging performed as per SWSM guidelines. Groundwater quality interpreted by farmer per their logger calibration.

