

Name Of Work	:-	Construction of T. W. of G.P. Parsehra Khurd, Block- Behjam, District, Lakhimpur Kheri.
Name Of Program	:-	J. J. M
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	:-	12/ED/Phase-3/2021-22, date-07.01.2022
Cover Agreement	:-	466/ED/Phase-3/2022-23/XVII, Dated 27.02.2023

[illegible]

Recommended by

Approved by

Division office (E/M) UP
Jal Nigam (R) Lucknow

VIKAS KR. YADAV
JUNIOR ENGINEER
DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

Vinod Kumar
Assistant Engineer
Divisional officer (E&M)
U.P. Jal Nigam (F)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PARSEHRA KHURD, BLOCK- BEHJAM, 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 11.May.2023.

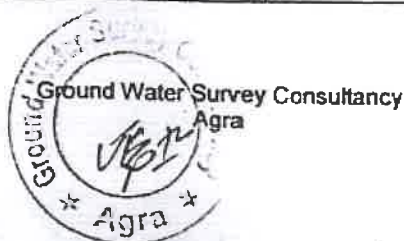
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 18.52 Ohms.

Drilling Water Resistivity = 19.63 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Dry sand	
3.	9 - 15	6	Clay kankar	
4.	15 - 21	6	Fine sand	Good
5.	21 - 34	13	Clay kankar	
6.	34 - 40	6	Medium sand	Good
7.	40 - 47	7	Clay kankar	
8.	47 - 55*	8	Medium sand	Good
9.	55 - 60	5	Clay kankar	
10.	60 - 72*	12	Medium sand	Good
11.	72 - 78	6	Clay kankar	
12.	78 - 80	2	Medium sand	Good
13.	80 - 84	4	Clay kankar	
13	84 - 88*	4	Fine to medium sand	Good
14	88 - 95	7	Clay kankar	
15	95 - 127*	32	Medium sand & kankar	Good
16.	127 - 143	16	Clay kankar	
17.	143 - 148*	5	Fine to medium sand	Good
18.	148 - 155	7	Clay kankar	
19.	155 - 165*	10	Medium sand	Good



- Logging performed as per GWSM guidelines
Groundwater quality interpreted by firm as per their loggers calibration
GWS
12/05/23

Date 12/06/23

Parshera khurd

WCL JIVANDEEP

Harmandir

Block Behjam-kheri

WCL

R. Disch: 270 LPM

9mtr

A. Size: 200 x 150 mm CP

6x8
48m

0.56

11 May-2023

- 1- 47-55 - 8
- 2- 60-72 - 12
- 3- 84-88 - 4
- 4- 95-127 - 32 - 12
- 5- 143-148 - 5

47.50

0.20

47.70

6.00

6.00

6.00

6.00

6.00

6.00

6.00

6.00

48.00 = 95.70

6.00 = 101.70

3.00 = 104.70

6.00 = 110.70

6.00 = 116.70

(Vikas Yadav) JE