NCC(W)
P-3
Akola

Musepur Kala, LKP.

7/10-

Discharge - 410 LPM

A. Size - 200X150 mm

Rep of - 10/23

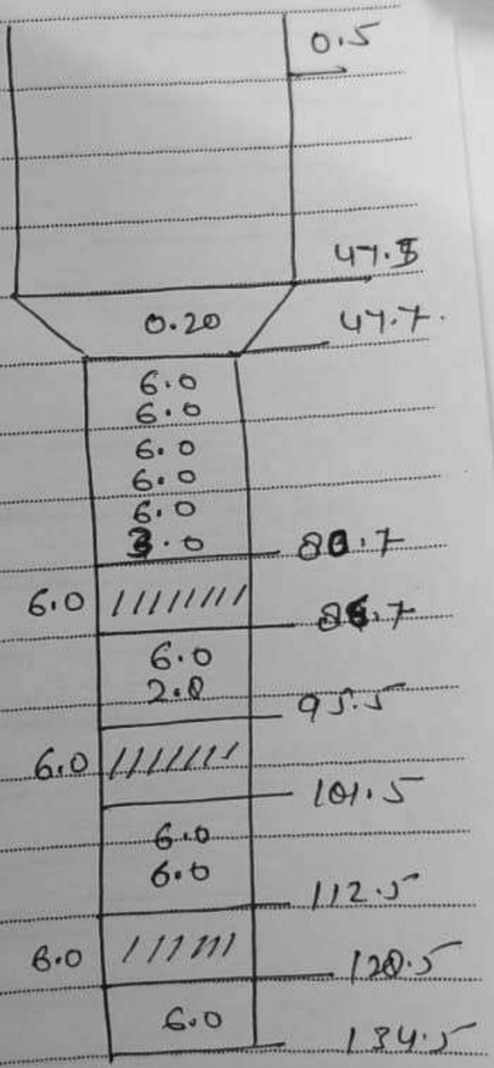
50-55=5

60-70=10

75-90=15⇒6

95-102=7⇒6

110-152=42⇒6



REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- MUSEPUR KALA, BLOCK- LAKHIMPUR,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 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 15.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 = 19.78 Ohms.

Drilling Water Resistivity = 20.32 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 - 7	2	Dry sand	
3.	7 - 10	3	Clay	
4.	10 - 12	2	Fine sand	Good
5.	12 - 20	8	Clay Kankar	
6.	20 - 43	23	Medium sand	Good
7.	43 - 49	6	Clay kankar	
8.	49 - 70*	21	Medium sand	Good
9.	70 - 75	5	Clay kankar	
10.	75 - 90*	15	Medium sand	Good
11.	90 - 95	5	Clay kankar	
12.	95 - 102	7	Fine to medium sand	Good
13.	102 - 110	8	Clay kankar	
14.	110 - 157*	47	Medium sand & kankar	Good
15.	157 - 160	3	Clay kankar	

Sr No 8 - 50-55 (5m)
60-70 (10m)

Ground Water Survey Consultancy
Agra

- Logging performed as per SWSM guidlines.
- Ground water quality interpreted by Fenn as per their logger calibration.

GSC
10/05/23