

Office of the Executive Engineer, 13th Division (E&M), U.P. Jal Nigam, Lucknow.

Completion Plan of Paliya Khurd Tw- Distt. Lakhimpur-Kheri.
Type of Rig Machine DC Cum RC
Static Water Level 3.00 metre

(C.B. No. 03 /SE 3rd Circle/2020-21)

Size of Bore 675/500 mm dia
Required discharge- 900 LPM

Depth B.G.L. M.	Stratum	Lowered Assembly in mt.
		0.50 m
3-32	Surface Caly Yellow Clay	300 mm dia MS Housing Pipe
32-43	Fine Sand	
43-46	Clay	
46-67	Fine Sand	
		0.20m 54.60
67-73	Clay	119.90 150mm dia MS Plain Pipe
73-83	Fine Sand	
83-92	Caving Clay	
92-118	Fine Sand	
118-126	Clay	
126-130	Fine to medium Sand	
130-135	Clay	174.50
135-158	Fine to medium Sand	
158-174	Sticky Clay	
174-196	Fine to medium sand	
		12.06
		3.07
		6.02
196-214	Sticky Clay	19.38
		215.03
214-225	Fine to medium sand	9.04
225-233	Sticky Clay	10.03
233-238	Fine to medium sand	234.10
238-260	Sandy clay	3.02
		6.11
260-280	Clay	243.23

ABSTRACT

- 1- Drilling Started on Dated : 13-01-2021
- 2- Logging Date : 17-01-2021
- 3- Drilling Completed on Dated : 07-02-2021
- 4- Drilling Depth :
675 mm dia bore 0 to 60 m 60.00 mt. BGL
500 mm dia bore 60 to 280 m 220.00 mt. BGL
- 5- **Detail of Tubewell Assembly**
Housing Pipe : 300 mm dia 54.90 mt.
Reducer : 300x150 mm dia 0.20 mt.
Plain Pipe : 150 mm dia 158.49 mt.
Slotted Pipe : 150 mm dia 30.14 mt.
- 6- Date of lowering - 09-2-2021

LOGGING REPORT

Sl.	Depth Range mbgl	Thickness m.	Remarks
1	32 to 43	11 m	Good
2	46 to 67	21 m	Good
3	73 to 83	10 m	Good
4	92 to 118	26 m	Good
5	126 to 130	4 m	Good
6	135 to 158	23 m	Good
7	174 to 196	22 m	Good
8	214 to 225	11 m	Good
9	233 to 238	5 m	Good

Zone Testing

Chemical Constituents	Ist Zone 233m to 238 m (B.G.L)	IInd Zone 174 m 196 m(B.G.L)
PH	8.09	7.8
Turbity (NTU)	1.21	0.69
TDS (mg/L)	258	224
chloride (mg/L)	17.25	14.78
Fluride (mg/L)	0.23	0.22
Sulphate (mg/L)	1.0	3.0
Nitrate (mg/L)	0.15	0.21
Arsenic (mg/L)	BDL	BDL
Iron (mg/L)	1.77	2.37
Alkalinity (mg/L)	180	120
Total hardness	150	145

Acceptable on under limit

Ref :-

Chemical test/ 94859/2020-2021
Chemical test/ 94860/2020-2021

M/s Royal Engineers
Lucknow

(Ashish Kumar)
Junior Engineer

Recommended By
(Dinesh Kumar)
Assistant Engineer

Approved By
(Vishal Arya)
Executive Engineer