

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

Completion Plan of Bamhanpur Tw- Distt. Lakhimpur-Kheri.

Type of Rig Machine DC Cum RC

Static Water Level 3.00 metre

(C.B. No. 25/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.
45	Surface Caly Yellow Clay	0.50 m
55-58	Fine Sand	54.00 m
58-58	Clay	54.20
58-72	Fine Sand	139.63
72-76	Clay	
76-83	Fine Sand	
83-99	Caving Clay	
99-106	Fine Sand	
106-127	Clay	
127-132	Fine to medium Sand	
132-136	Clay	
136-158	Fine to medium Sand	
158-191	Sticky Clay	
191-228	Fine to medium sand	193.83
228-231	Sandy Clay	205.96
231-240	Caving Clay	209.00
240-266	Fine to medium sand	218.12
266-280	Clay	220.12

Sl.	Depth Range mbgl	Thickness m	Remarks
1	45 to 58	13	Good
2	58 to 72	4	Good
3	72 to 83	7	Good
4	83 to 99	7	Good
5	99 to 106	5	Good
6	106 to 127	22	Good
7	127 to 136	37	Good
8	136 to 158	26	Good

Chemical Constituents	Ist Zone 240m to 266 m (B.G.L)	IInd Zone 191 m 228 m (B.G.L)
PH	8.15	8.23
Turbidity (NTU)	24.47	27.27
TDS (mg/L)	246	250
chlornide (mg/L)	59.56	57.07
Fluride (mg/L)	0.19	0.19
Sulphate (mg/L)	9.67	10.3
Nitrate (mg/L)	1.323	1.27
Arsenic (mg/L)	BDL	BDL
Iron (mg/L)	1.41	1.63
Alkalinity (mg/L)	110	120
Total hardness	120	120

Acceptable on under limit

Ref :-
Chemical test/ 94468/2020-2021
Chemical test/ 94469/2020-2021

M/s S.R.D.Constructions
Lakhimpur

(Ashish Kumar)
Junior Engineer

Recommended By
(Dinesh Kumar)
Assistant Engineer

Approved By
(Vishal Arya)
Executive Engineer