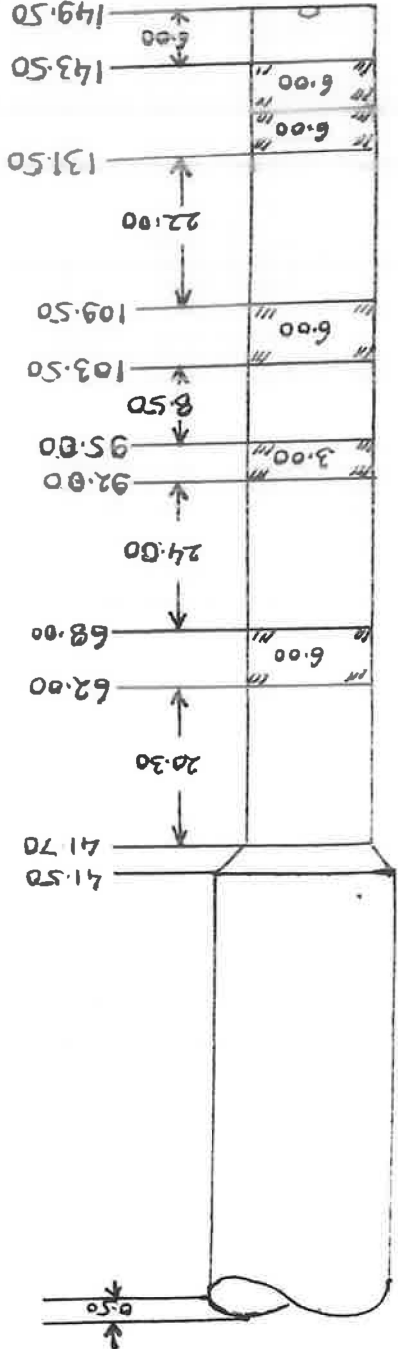




Proposed TM Assembly Chart of Machanadu w/s scheme block Harak Distt  
Bannabanki

1. Discharge = 560 LPM
2. Motor HP = 10 HP
3. Assembly size = 210 x 150 mm
4. Base  $\phi$  = 500 x 450 mm
5. Logging Report of 4-2-23

- 1 - 0 - 10 = 10 Topsoil
- 2 - 10 - 31 = 21 clay with sand
- 3 - 31 - 35 = 4 Fine grain sand
- 4 - 35 - 62 = 27 clay with sand
- 5 - 62 - 68 = 6 medium to fine grain
- 6 - 68 - 80 = 12 clay with sand
- 7 - 80 - 87 = 7 Fine sediment
- 8 - 87 - 96 = 9 medium grain sand
- 9 - 96 - 100 = 4 Fine grain sand
- 10 - 100 - 103 = 3 medium grain sand
- 11 - 103 - 111.5 = 8.5 medium to fine grain
- 12 - 111.5 - 117.5 = 6 clay with sand
- 12 - 13 - 117.5 - 145 = 27.5 coarse to medium
- 14 - 145 - 152 = 7 Fine grain sand
- 15 - 152 - 162 = 10 medium to fine





GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MACHAUCHI	DATE OF LOGGING:	04.02.2023
BLOCK:	HARAKH	DRILLING DEPTH:	165.00M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	165.26M
ENG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.461ohm/m	Rw	0.389ohm/m
DISTRICT	BARABANKI		

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer

Zones:

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay

Zones:

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark (Quality of Aquifer Water)
	From (m)	To (m)			
1	0	10	10	Top Soil	
2	10	31	21	Clay with sand	
4	31	35	4	fine grain sand	Medium
5	35	62	27	Clay with sand	
6	62	68	6	Medium to fine grain sand	Good
7	68	80	12	Clay with sand	
8	80	87	7	Fine sediment	Medium
9	87	96	9	Medium grain sand	Good
10	96	100	4	fine grain sand	Medium
11	100	103	3	Medium grain sand	Good
12	103	111.5	8.5	Medium to fine grain sand	Good
13	111.5	117.5	6	Clay with sand	
14	117.5	145	27.5	Coars to medium grain sand	Good
15	145	152	7	fine grain sand	Medium
16	152	162	10	Medium to fine grain sand	Good

NOTE:-

1 ALL zones has intermixed with thin band of kankar

f.s

Mining Associates Pvt. Ltd.  
Geophysicist

Verified as per logs provided  
Note: Groundwater quality interpreted by firm as per their loggers calibration  
G.S. 06/02/23