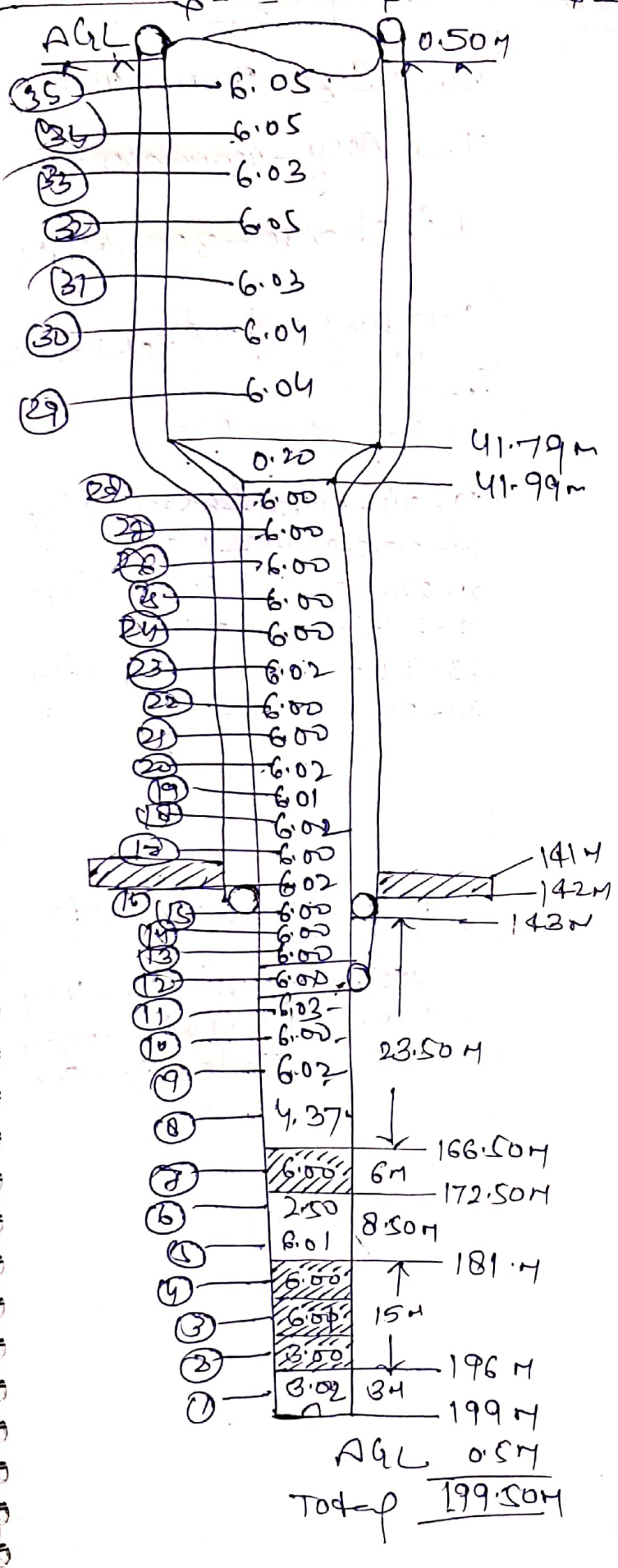
Proposed T.W. Assy. chart of Malawa W/S scheme Bahraich under JJM (Block - Payagpur)



Bore Size - 600 mm ϕ 450 mm

T.W. Assy - 300 mm ϕ 150 mm

Discharge - 650 LPM / 37 m.

Logging Report: (02-11-2022)

1 - 0 - 6M - 6M
2 - 6 - 12M - 6M
' ' ' ' '
20 - 140 - 143M - 3M - clay
21 - 143 - 173M - 30M -
22 - 173 - 180.5M - 7.5M - clay
23 - 180.5 - 220M - 39.5M -

As per Estimate.

- 300 mm ϕ Housiy Pipe - 40 mtr
- 150 mm ϕ Plain Pipe - 120 mtr
- 150 mm ϕ Slotted Pipe - 30 mtr

(12) [illegible] 41.54 m [illegible]
1.08 [illegible] [illegible]
[illegible] -

MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MALWA	**DATE OF LOGGING:**	02.12.2022
BLOCK:	PRAYAGPUR	**DRILLING DEPTH:**	220.00 M
STATE:	UTTAR PRADESH	**LOGGING DEPTH:**	220.54M
ENGG:	ASHOK KUMAR	**LOGGING COMPANY:**	Mining Associates Pvt. Ltd.

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	6	6	Top Soil	
2	6	12	6	Fine grain sand	Medium
3	12	15	3	Fine sediment	Medium
4	15	17	2	Fine grain sand	Medium
5	17	25	8	Medium grained Sand	Good
6	25	45	20	Clay with sand	
7	45	56	11	Fine grain sand	Medium
8	56	62	6	Coares grain sand	Good
9	62	66	4	Clay	
10	66	70.5	4.5	Medium grained Sand	Good
11	70.5	73.5	3	Fine grain sand	Medium
12	73.5	81	7.5	Medium grained Sand	Good
13	81	90.5	9.5	Medium to Fine grained Sand	Good
14	90.5	97.5	7	Medium grained Sand	Good
15	97.5	100.5	3	Fine sediment	Medium
16	100.5	104	3.5	Medium grained Sand	Good
17	104	109.5	5.5	Fine grain sand	Medium
18	109.5	128.5	19	Clay with sand	
19	128.5	140	11.5	Medium to Fine grained Sand	Good
20	140	143	3	Clay	
21	143	150	7	Medium to Fine grained Sand	Good
22	150	152	2	Fine sediment	Medium
23	152	163	11	Coares to medium grain sand	Good
24	163	165.5	2.5	Fine grain sand	Medium
25	165.5	173	7.5	Medium grained Sand	Good
26	173	180.5	7.5	Clay	
27	180.5	190	9.5	Medium grained Sand	Good
28	190	193	3	Fine grain sand	Medium
29	193	202	9	Medium grained Sand	Good
30	202	209	7	Medium to Fine grained Sand	Good
31	209	218	9	Coares grain sand	Good
32	218	220	2	Fine grain sand	Medium

For Mining Associates Pvt. Ltd.

Geophysicist