



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	MOTAHRI	DATE OF LOGGING:	18.03.2023
BLOCK:	HARAKH	DRILLING DEPTH:	165.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	158.70M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.420ohm/m	Rw	0.386ohm/m
DISTRIC	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	4	4	Top Soil	
2	4	10	6	Medium to fine grain sand	Good
3	10	24.5	14.5	Clay with sand	
4	24.5	50	25.5	Medium to fine grain sand	Good
5	50	55	5	Medium grain sand	Good
6	55	61	6	Clay	
7	61	82.5	21.5	Medium to fine grain sand	Good
8	82.5	93	10.5	Clay with sand	
9	93	98	5	Medium to fine grain sand	Good
10	98	118	20	Clay with sand	
11	118	123	5	Fine grain sand	Medium
12	123	157	34	Clay with sand	

NOTE:-

1. ALL zones has intermixed with thin band of kankar

For Mining Associates Pvt. Ltd.

Ashok Kumar
Geophysicist

Verified as per logs provided.
Note - Groundwater quality interpreted by firm as per their logger calibration

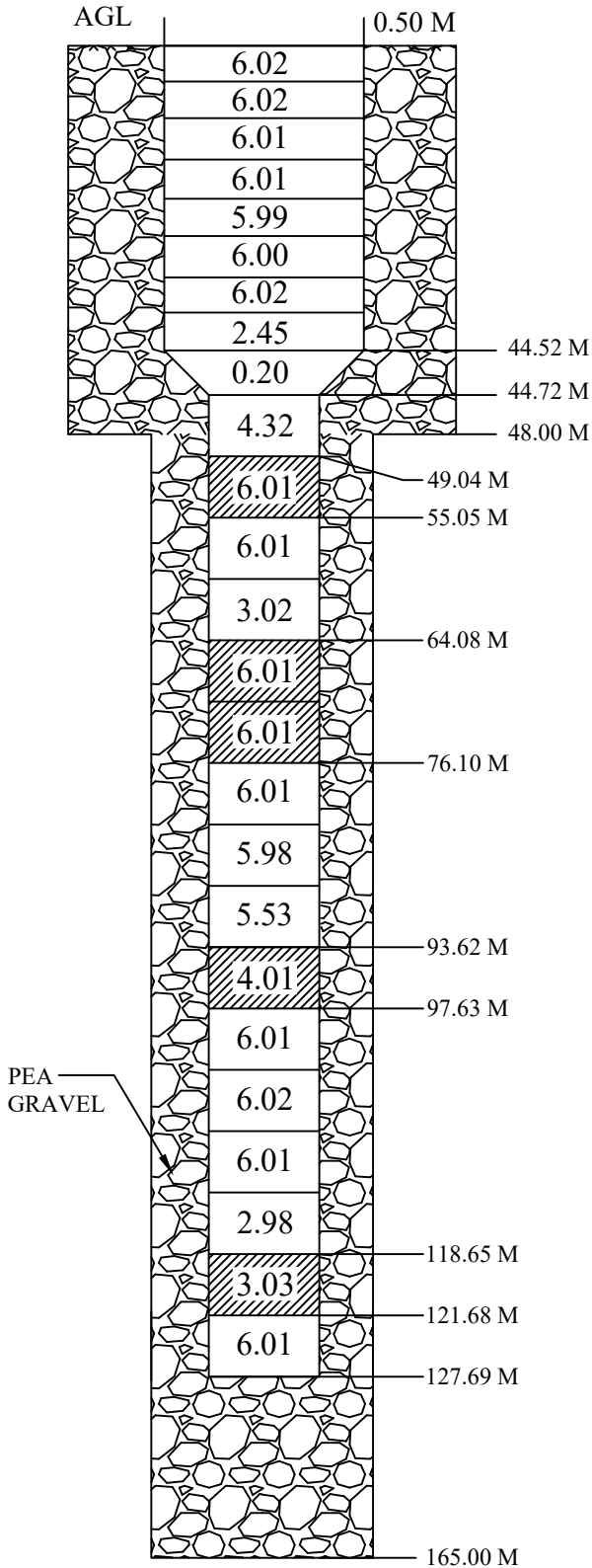
G.Sh
21/03/23



STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL

NAME OF SCHEME : BARABANKI WSS
 NAME OF SITE : MAUTHARI
 NAME OF COMPANY : PNC-SPML JV

BLOCK : HARAKH
 DISTRICT : BARABANKI



1.	BORE SIZE	500 X 450 mm
2.	ASSEMBLY SIZE	200 X 150 mm
3.	DRILLING DEPTH	165.00 m
4.	LOGGING DEPTH	158.70 m
5.	DATE OF LOGGING	18-03-2023
6.	DATE OF LOWERING	20-03-2023
7.	REQUIRED DISCHARGE	520 LPM

LOGGING REPORT

S. NO	DEPTH RANGE (MBGL)	THICKNESS (MTR)	QUALITY OF F.M
1.	4-10	6	GOOD
2.	24.5-50	25.5	GOOD
3.	50-55	5	GOOD
4.	61-82.5	21.5	GOOD
5.	93-98	5	GOOD

S. NO	DESCRIPTION	REMARKS
1.	TOTAL 200 mm PLAIN PIPE	45.02
2.	TOTAL 150 mm PLAIN PIPE	58.10
3.	TOTAL 150 mm SLOTTED PIPE	25.07
4.	REDUCER 300 X 150 mm	0.20
5.	TOTAL ASSEMBLY LOWER	128.19
6.	AGL	0.50
7.	BGL	127.69

PREPARED BY	CHECKED BY	RECOMMENDED BY	APPROVED BY
PNC-SPML JV	JUNIOR ENGINEER	ASSISTANT ENGINEER	EXECUTIVE ENGINEER