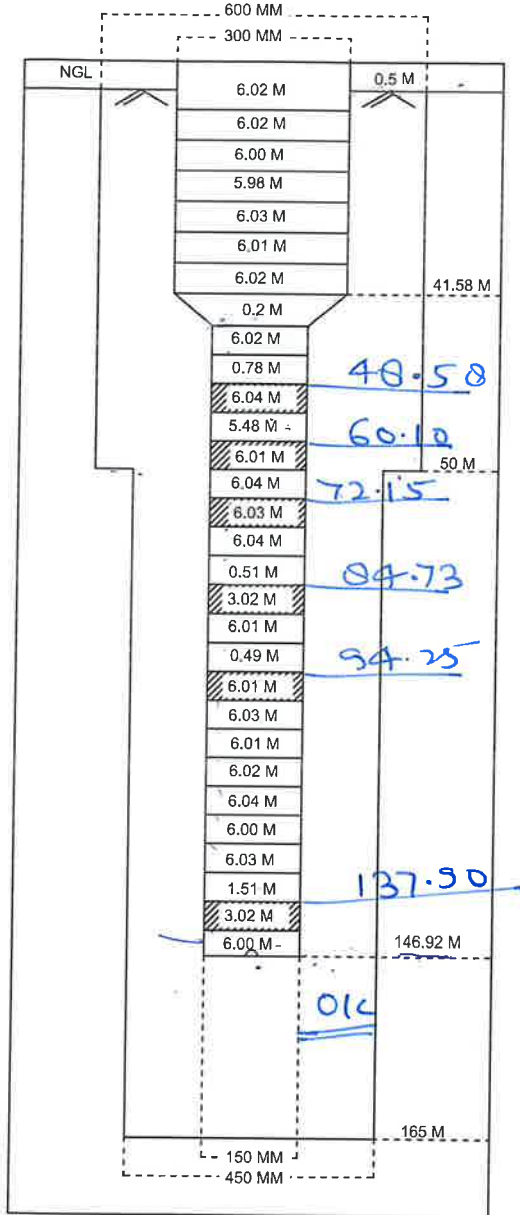


STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL

NAME OF SCHEME BARABANKI WSS
 NAME OF SITE BILAULI HAZRATPUR
 NAME OF COMPANY M/S SHIV DRILLERS

BLOCK
 DISTRICT

FATEPUR
 BARABANKI



1	BORE SIZE	600*450MM
2	ASSEMBLY SIZE	300*150 MM
3	DRILLING DEPTH	165 M
4	LOGGING DEPTH	156.16 M
5	DATE OF LOGGING	06-12-2022
6	REQUIRED DISCHARGE	890 LMP



PHYSICAL STRATA

SL.No	Depth Range (m bgl)	Inferred Lithology
1.	0-7	Top Soil
2.	7-15.5	Clay with sand
3.	15.5-23.5	Mediam to fine grain sand
4.	29-33.5	Mediam to fine grain sand
5.	48-55.5	Mediam grain sand
6.	55.5-60	Clay
7.	60-66	Mediam grain sand
8.	66-81	Mediam grain sand
9.	81-88	Mediam to fine grain sand
10.	88-94	Clay
11.	94-100	Mediam to fine grain sand
12.	106-112	Fine grain sand
13.	112-130	Clay with sand
14.	130-133	Fine grain sand
15.	136-141	Fine grain sand
16.	150-155	Fine grain sand

LOG REPORT

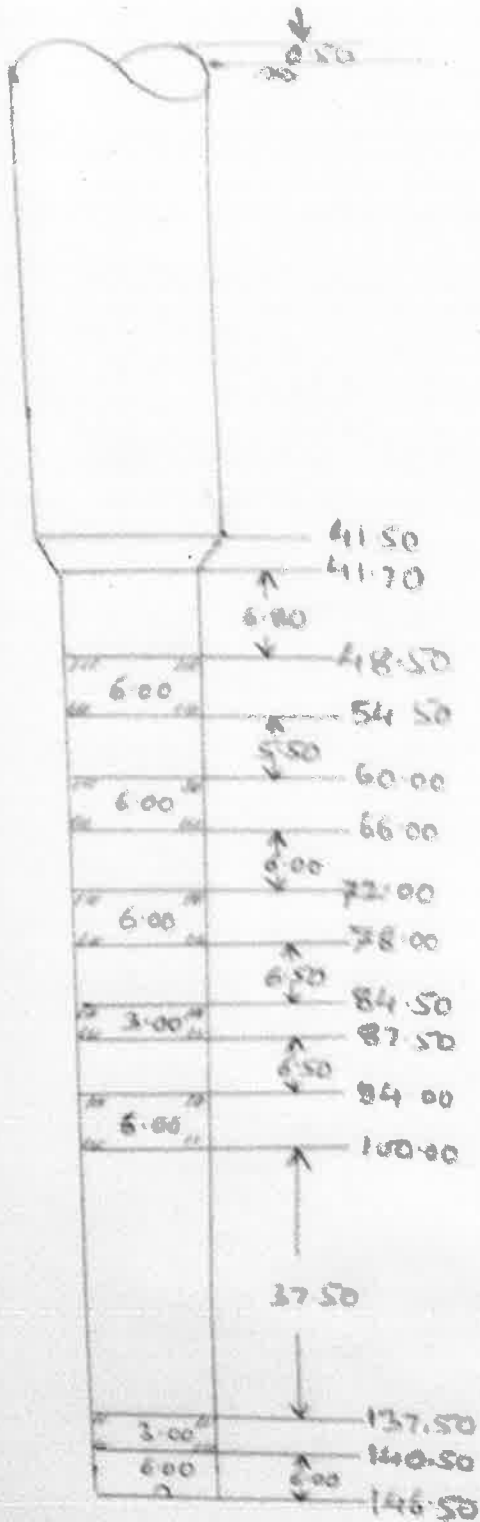
SL.No	Depth Range (m bgl)	THICKNESS(M)	Remarks
3.	15.5-23.5	8.5	Good
4.	29-33.5	4.5	Good
5.	48-55.5	7.5	Good
7.	60-66	6	Good
8.	66-81	15	Good
9.	81-88	7	Good
11.	94-100	6	Good

SR.NO	DESCRIPTION	LENGTH	REMARKS
1	300 MM PLAIN PIPE	42.08	
2	REDUCER	0.2	
3	150 MM PLAIN PIPE	81.05	
4	150 MM SLOTTED PIPE	24.09	
5	B.G.L	146.92	
6	A.G.L	0.5	
7	TOTAL LOWERING	147.42	

 CHECKED BY JR. ENGINEER	 RECOMMENDED BY ASST. ENGINEER	APPROVED BY EXECUTIVE ENGINEER
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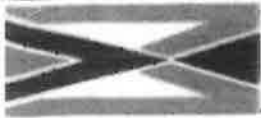
Proposed TW Assembly chart of Balawali Hazratpur w/s scheme
Block - Patapur Distt. Barabanki



Discharge = 890 LPM
 Motor HP = 15 HP
 Assembly size = 300 x 150 mm
 Bore ϕ = 600 x 450 mm
 Logging Report dt - 6-12-21

- 1 - 0 - 0.7 = 7 TOP Soil
- 2 - 0.7 - 1.5 = 8.5 clay with sand
- 3 - 1.5 - 2.5 = 8 Medium to fine sand
- 4 - 2.5 - 3.5 = 4.5 Medium to fine sand
- 5 - 3.5 - 4.5 = 7.5 Medium grain
- 6 - 4.5 - 6.0 = 4.5 clay
- 7 - 6.0 - 7.0 = 6 Medium grain
- 8 - 7.0 - 8.1 = 11 Medium grain
- 9 - 8.1 - 8.4 = 4 Medium to fine
- 10 - 8.4 - 10.0 = 6 medium
- 11 - 10.0 - 10.6 = 6 clay
- 12 - 10.6 - 11.2 = 6 Medium to fine
- 13 - 11.2 - 13.0 = 18 clay with sand
- 14 - 13.0 - 13.3 = 3 Fine grain sand
- 15 - 13.3 - 13.6 = 5 Fine grain sand
- 16 - 13.6 - 14.1 = 5 Fine grain sand
- 17 - 14.1 - 15.0 = 5 Fine grain sand
- 18 - 15.0 - 15.5 = 5 Fine grain sand

Provision of dotted in assembly



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	BILAULI HAZRATPUR	DATE OF LOGGING:	06.12.2022
BLOCK:	FATEPUR	DRILLING DEPTH:	165.00M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	156.16M
ENGG:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
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	7	7	Top Soil	
2	7	15.5	8.5	Clay with sand	
3	15.5	23.5	8	Mediam to fine grain sand	Good
4	29	33.5	4.5	Mediam to fine grain sand	Good
5	48	55.5	7.5	Mediam grain sand	Good
6	55.5	60	4.5	Clay	
7	60	66	6	Mediam grain sand	Good
8	66	81	15	Mediam grain sand	Good
9	81	88	7	Mediam to fine grain sand	Good
10	88	94	6	Clay	
11	94	100	6	Mediam to fine grain sand	Good
12	106	112	6	Fine grain sand	Medium
13	112	130	18	Clay with sand	
14	130	133	3	Fine grain sand	Medium
15	136	141	5	Fine grain sand	Medium
16	150	155	5	Fine grain sand	Medium

NOTE:-

1. ALL zones has intermixed with fine band of kankar
2. Other remaing formation contains fine sediment

Verified as per logs provided.
 Note - Sr No 8-70-81 (11m)
 Sr No 9-84-88 (4m)

G. Gh
 07/12/22

For Mining Associates Pvt. Ltd.

Ashok Kumar
 Geophysicist

- Groundwater quality interpreted by firm as per their logger calibration