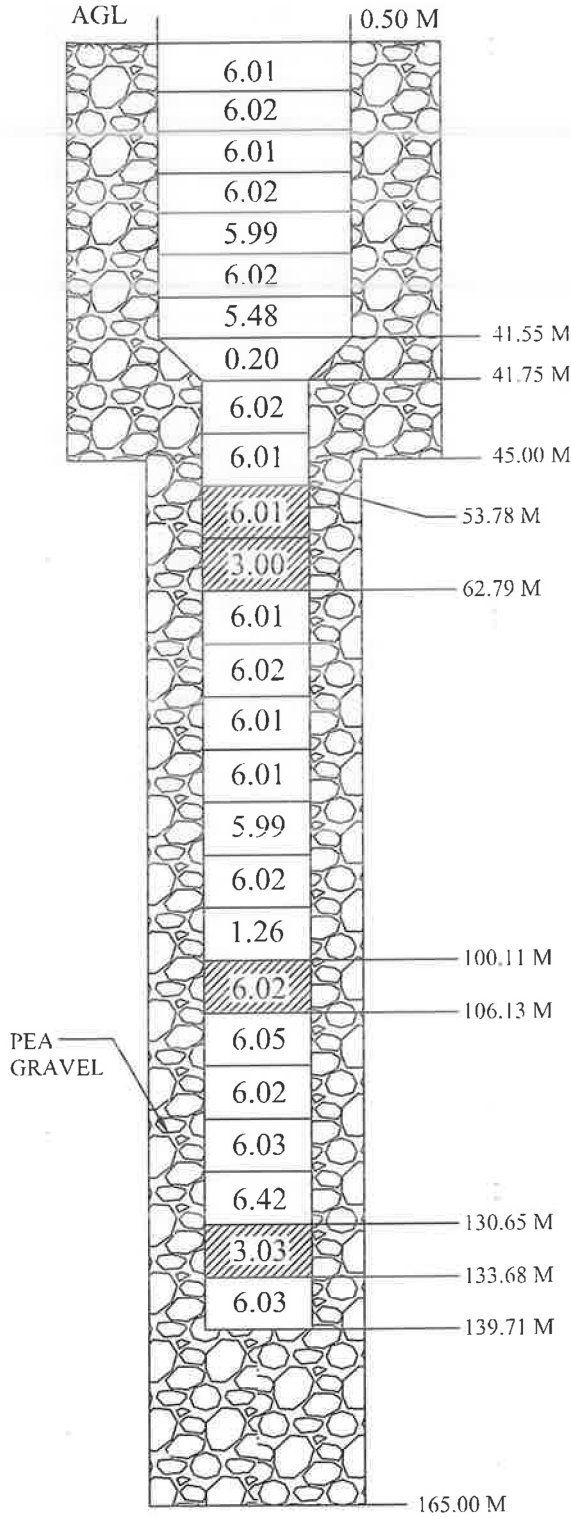




STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL

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

BLOCK : BANKI
 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	152.00 m
5.	DATE OF LOGGING	21-12-2022
6.	DATE OF LOWERING	25-12-2022
7.	REQUIRED DISCHARGE	500 LPM

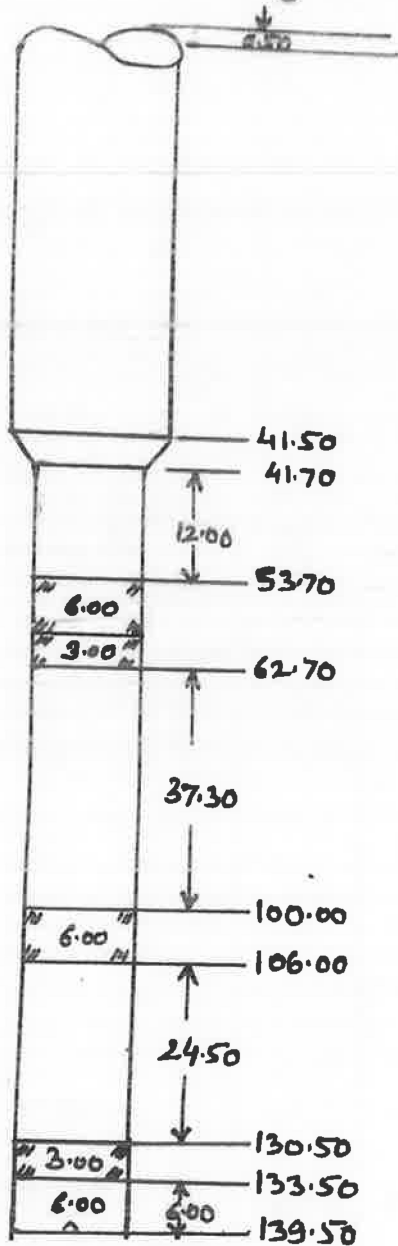
LOGGING REPORT

S. NO	DEPTH RANGE (MBGL)	THICKNESS (MTR)	QUALITY OF F.M
1.	21-44	23	GOOD
2.	52-74	22	GOOD

S. NO	DESCRIPTION	REMARKS
1.	TOTAL 200 mm PLAIN PIPE	42.05
2.	TOTAL 150 mm PLAIN PIPE	80.10
3.	TOTAL 150 mm SLOTTED PIPE	18.06
4.	REDUCER 300 X 150 mm	0.20
5.	TOTAL ASSEMBLY LOWER	140.21
6.	AGL	0.50
7.	BGL	139.71

 PREPARED BY *PNC-SPML JV* v. Kala BARABANKI	 CHECKED BY JUNIOR ENGINEER	 RECOMMENDED BY ASSISTANT ENGINEER	 APPROVED BY EXECUTIVE ENGINEER
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Proposed Tw Assembly chart of Manderu w/s scheme block Bani
Distt. Bazarbani



Discharge = 500 LPM

Motor HP = 10HP

Assembly size = 200 x 150m

Bore ϕ = 500 x 450mm

Logging Report dt. 21-12-2

1- 21-24 = 23 medium to coarse

g - 2- 52-74 = 22 Fine to medium

- 3- 82-88 = 6 Fine sand

6 - 4- 100-112 = 12 medium to fine sand

3 - 5- 130-135 = 5 medium to fine sand

Sr. No 4 = 100-106 = 6m

109-112 = 3m

Provision of slotted pipe section
= 18mtr



**GROUND WATER DEPARTMENT
GOVERNMENT OF UTTAR PRADESH
Lucknow-226010**



21/GWB/Well Logging/PNC-21/Lucknow

GEOPHYSICAL BOREHOLE-LOGGING REPORT

- | | |
|---|---|
| 1. Date of Logging: 21/12/2022 | 2. Village: Mandera |
| 3. Location: Near Hanumaan Temple | 4. Block: Banki |
| 5. District: Barabanki | 6. Latitude & Longitude: 26.8868 & 81.1876 |
| 7. Drilling depth: 165 m bgl | 8. Logging depth: 165 m bgl 152 MBGL |
| 9. Logging Company: UP Ground Water Department | 10. Bore hole drilled by: PNC Infratech |
| 11. Recorded Geophysical log data: SP, Natural gamma & Resistivity (16 N & 64 N). | |

12. On the basis of interpretation of recorded log data in open hole detail report is made is as follows:-

(a) **Acquifer:** The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

(b) **Clay:** The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

Based on the downhole Geophysical Parameters following information (Granular zones) deciphered:-

S.No	Depth Range (m bgl)	Thickness (meter)	Lithology	Acquifer Recommendation	Remark (Quality of aquifer water)
1.	21-44	23	Medium to coarser sand	Recommended	Good
2.	52-74	22	Fine to medium sand	Recommended	Good
3.	82-88	6	Fine sand	Recommended	Medium
4.	100-112	12	Medium to fine sand	Recommended	Medium
5.	130-135	5	Medium to fine sand	Recommended	Medium

13. Note:-

(i) All Zones are intermixed with kankar.

(ii) Zone 1 is intermixed with thin layers of kankar.

14. Quality of the formation water is good up to Logging depth.

15. Log Attached.

Verified as per logs provided
Note - Sr No 4 - 100-106 (6m) and 109-112 (3m)
- Groundwater quality interpreted by firm as per their logger calibration
G. Gh
23/12/22

Rajeev Kumar
 22/12/2022
Rajeev Kumar
 Geophysicist
 National Hydrology Project
 Ground Water Department Lko. U.P.