

Aqua Xplore

(Groundwater Assessment & Allied Services)
243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 904 - A / AX - 2023 Date 04.09.2023

Geophysical Borehole Logging Report

Name of the site : Araee Kaitha, Block - Jalalpur

District : Ambedkar Nagar

Date : 04.09.2023

Depth logged : 165.0 mbgl,

Depth drilled : 165.0.0 mbgl - as reported

Logger used : Robertson make

Presence : Rep. of M/S Vindhya Telelinks Limited- Gaja Engineering Pvt.
Ltd.-J.V.,Gautam Buddha Nagar, U.P.

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	20.0—24.0	4.0	Good all
2	42.0—46.0	4.0	
3	48.0—58.0	10.0	
4	62.0—70.0	8.0	
5	73.0—83.0	10.0	
6	86.0—90.0	4.0	
7	102.0—109.0	7.0	
8	114.0—118.0	4.0	
9	124.0—128.0	4.0	
10	134.0—146.0	12.0	
11	158.0—162.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl.No. 11 is fine sand.

for Aqua Xplore

CC;

M/S Vindhya Telelinks Limited - Gaja Engineering Pvt. Ltd- J.V.
6th Floor Club 125 North Wing Tower A
Sector-125, Noda, Gautam Buddha Nagar, U.P.

V.T.L. - Phase-III

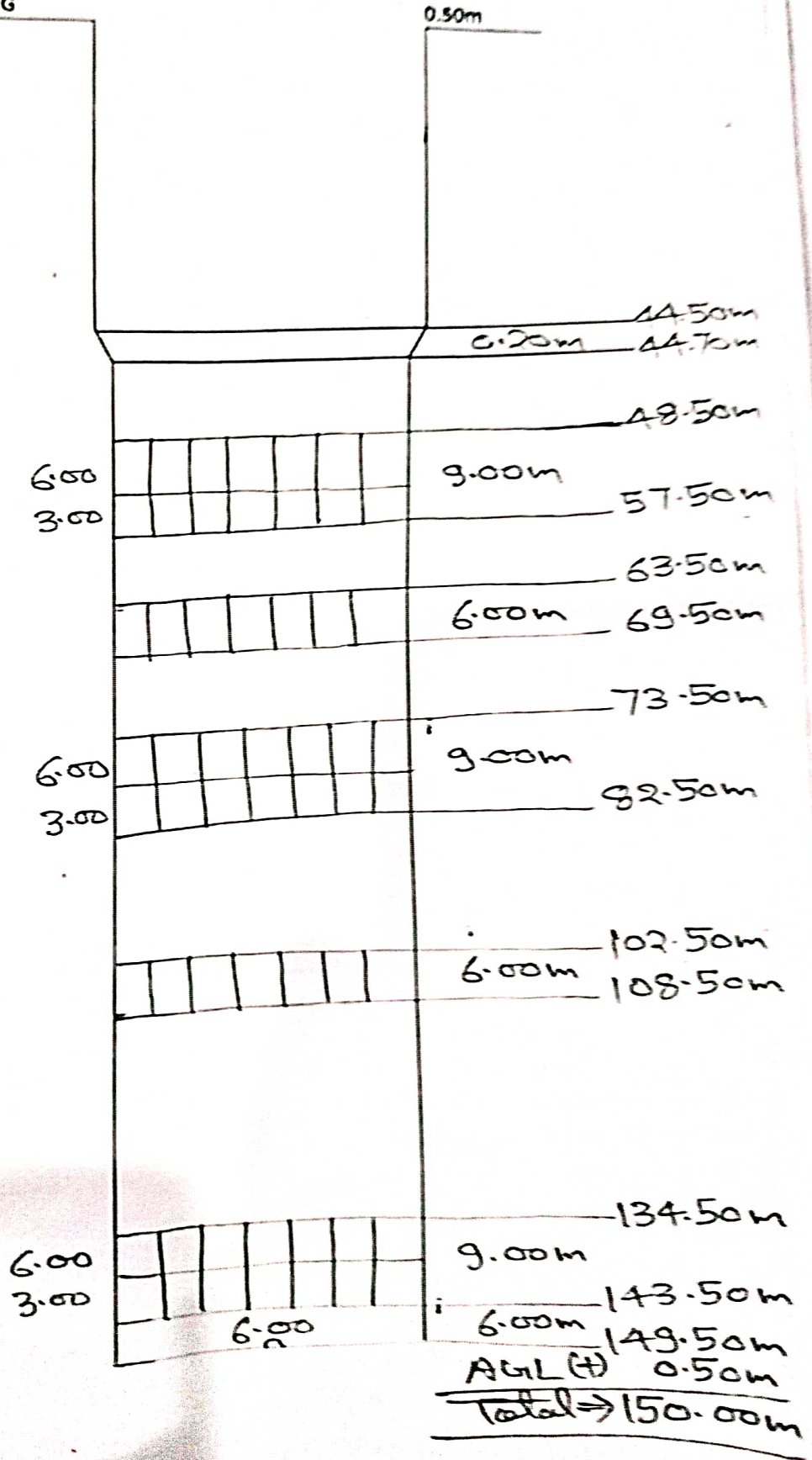
Proposed Tubewell Assembly Chart of Arora & Kaitha WS Scheme Block, Jalalpur

District - A. Nagar

Drilling Lowering- 165/150m
 T.W. Asse. Size- 300X150mm.
 S.W.L.- 42m
 S.P.-
 Logging Report - 04/09/23 G

Bore size- 600X450mm.
 Recommended Discharge- 1100 LPM
 D.O.L.-
 H.P. - 45m

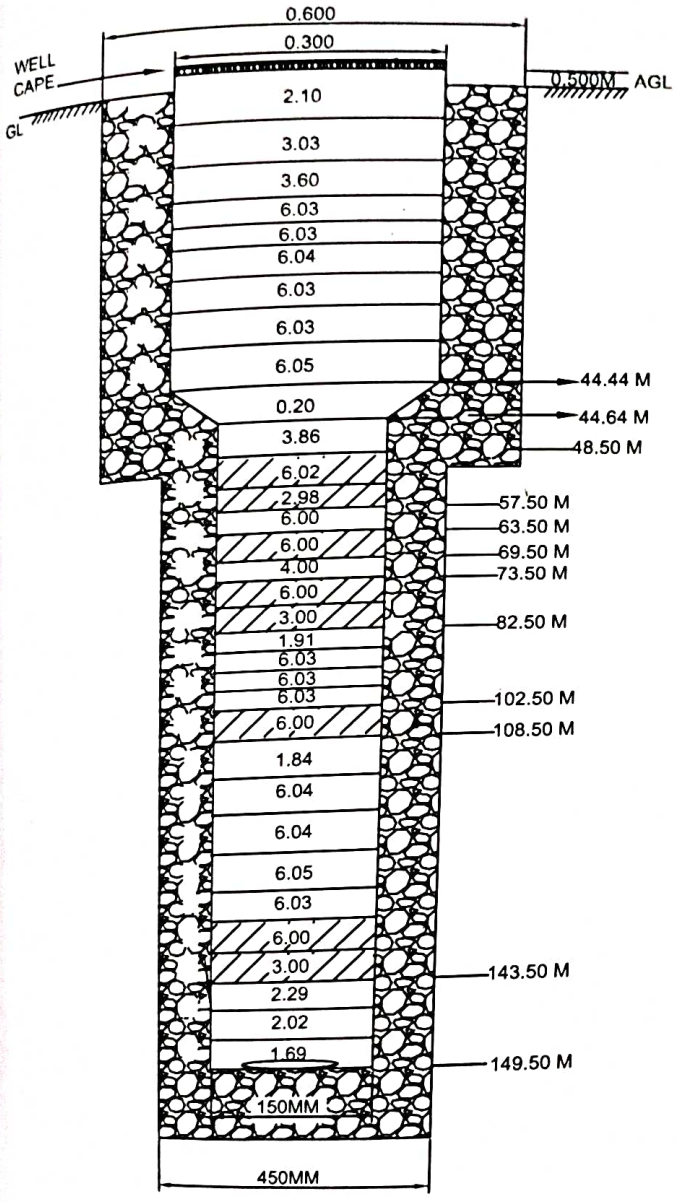
- 1- 20 - 24 → 04
- 2- 42 - 46 → 04
- 3- 48 - 58 → 10
- 4- 62 - 70 → 08
- 5- 73 - 83 → 10
- 6- 86 - 90 → 04
- 7- 102 - 109 → 07
- 8- 114 - 118 → 04
- 9- 124 - 128 → 04
- 10- 134 - 146 → 12
- 11- 158 - 162 → 04
- 12-



Prepared By
 AE
 (Sampurnand)

Approved
 Prepared By
 (Mohd. Maaz)

VINDHYA TELELINKS LTD -GAJA ENGINEERING PVT.LTD.JV
 Actual T.W. Assembly & Strata Chart As Per Logging Report
 G P-,Araee kaitha, Block - Jalalpur , Ambedkar Nagar
 JJM Phase - III



1	Bore Size	600*450 mm
2	T.W. Assembly size	300*150 mm
3	Discharge	1100 LPM/ 45 M HP
4	Date of Logging	04-09-2023
5	Date of lowering	05-09-2023

1	300mm@Housing Pipe	44.94 M
2	150mm@Plain Pipe	65.86 M
3	150mm@Slotted Pipe	39 M
5	300*150mm Reducer	0.20 M
6	Total Length	150 M
7	AGL	(-).50
8	Lowering Length	149.50

1	20 - 24	04 M
2	42 - 46	04 M
3	48 - 58	10 M
4	62 - 70	08 M
5	73 - 83	10 M
6	86 - 90	04 M
7	102 - 109	07 M
8	114 - 118	04 M
9	124 - 128	04 M
10	134 - 146	12 M
11	158 - 162	04 M



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QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Tel.: +91-120-4133953 • Mobile: +91-8287945370 • E-mail: admin@qatestinglaboratories.com

Website: www.qatestinglaboratories.com

CIN : U51100UP2018PTC108293 • GSTIN : 09AAAC05609C1Z1N

JAS-ANZ



MS-100711JEN

ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited & BIS Recognised Laboratory

TEST CERTIFICATE

(This Certificate is not Valid without Hologram)



Test Report No
Sample Name:
Sample Code
Issued To

: QAL/WT/231208002331
: Tube Well Water
: -
: Vindhya Telelinks Limited
Gaja Engineering Pvt. Ltd. JV Club 125, 6th Floor, Tower A,
Plot No 3, 4 & 5 Sector-125, Noida-201301, India

Issue Date : 13/12/2023
Sample Received On : 08/12/2023
Reference No : VTL-GAJA/AMBD/22-23/44
Sampling Date : 08/12/2023
Sampling Quantity : 2 Ltr.
Batch No./Lot No. : NA
Date of Mfg. : NS
Date of Exp. : NS
Date of Starting : 08/12/2023
Date of Completion : 13/12/2023

Sample Submitted By : Vindhya Telelinks Limited
Mfg. By : NA
Sample Description : Physical, Chemical & Heavy Metals Analysis Of Water
Location : Distt-Ambd Nagar Block-Jalalpur GP-Araee Kaitha

S.No.	Test Parameter	Units	Results	Specification as per IS:10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
1	Turbidity	NTU	0.2	1 max.	5 max.	IS : 3025 (P-10)
2	pH value at 25°C	-	7.38	6.5-8.5	No Relaxation	IS : 3025 (P-11)
3	Total Hardness as CaCO3	mg/l	160	200 max	600 max.	IS : 3025 (P-21)
4	Iron (as Fe)	mg/l	0.028	1 max	-	IS : 3025 (P-53)
5	Chloride (as Cl)	mg/l	14.0	250 max.	1000 max.	IS : 3025 (P-32)
6	Sulphates (as SO4)	mg/l	4.5	200 max.	400 max.	IS : 3025 (P-24)
7	Total Alkalinity (as CaCO3)	mg/l	118	200 max.	600 max.	IS : 3025 (P-23)
8	Fluoride (as F)	mg/l	0.030	1 max.	1.5 max.	IS : 3025 (P-60)
9	Total Dissolved Solid (TDS)	mg/l	408	500 max.	2000 max.	IS : 3025 (P-16)
10	Nitrate (as NO3)	mg/l	0.32	45 max	No Relaxation	IS : 3025 (P-34)
11	Copper (as Cu)	mg/l	ND	0.05 max	1.5 max	IS : 3025 (P-42)
12	Cadmium (as Cd)	mg/l	ND	0.003 max	No Relaxation	IS : 3025 (P-41)
13	Total Arsenic (as As)	mg/l	ND	0.01 max	0.05 max	IS : 3025 (P-37)
14	Lead (as Pb)	mg/l	ND	0.01 max	No Relaxation	IS : 3025 (P-47)
15	Zinc (as Zn)	mg/l	0.016	5 max	15 max	IS : 3025 (P-49)
16	Boron (as B)	mg/l	0.012	0.5 max	1.0 max	IS : 3025 (P-57)
17	Nickel (as Ni)	mg/l	ND	0.02 max	No Relaxation	IS : 3025 (P-54)
18	Total Chromium (as Cr)	mg/l	ND	0.05 max	No Relaxation	IS : 3025 (P-52)

SAMPLE COLLECTED BY US

End of Report

Upendra Kumar
Technical Manager
Authorized By (Sign & Stamp):

Dileep Kumar
Quality Manager
Approved By (Sign & Stamp):

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