



GROUND WATER INFORMATION CONSULTANTS

9/43, Sector-9, Jankipuram Extension, Lucknow-226 031
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Ref. GIC/JM/Jalaun/17

Date : 21.07.21

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Birpara
Block - Jalaun
Distt. - Jalaun

Drilling Depth : 98 mbgl

Logged Depth : 93 mbgl

Date of Logging : 20.07.21

Type of Log : S.P. & Resistivity (Normal & Lateral)

Log used : Paper

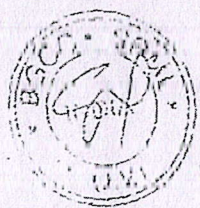
The following permeable granular zones have been deciphered with the help of Electrical Logging.

Depth Range (m)		Thickness (m)	Probable Strata	Quality
From	To			
40	47	7	Fine to medium sand	Good
50	55	5	Medium to coarse sand	Good
66	89	23	Coarse sand	Good

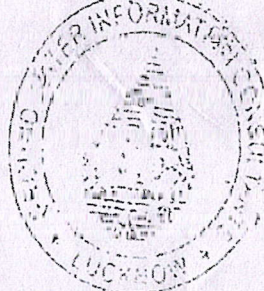
Recommendations:

For the strata samples, Electrical Log interpretation, following granular zones are recommended for putting screens against them in tubewell assembly.

Depth Range (m)		Length (m)
50	55	5
66	89	23
Total		28



A.K. Singh
Geophysicist



Proposed Trench Assembly Diagram. Black Marker.

1/20/2020

1. 40.0 - 42.0 = 02.0m.
2. 50.0 - 55.0 = 05.0m.
3. 60.0 - 83.0 = 23.0m.

20mm diameter floor pipe

- 1-
- 2-
- 3-
- 4-
- 5-
- 6-
- 7-
- 8-
- 9-
- 10-

150 mm dia. sewer pipe

- 1-
- 2-

150 mm dia. sewer pipe

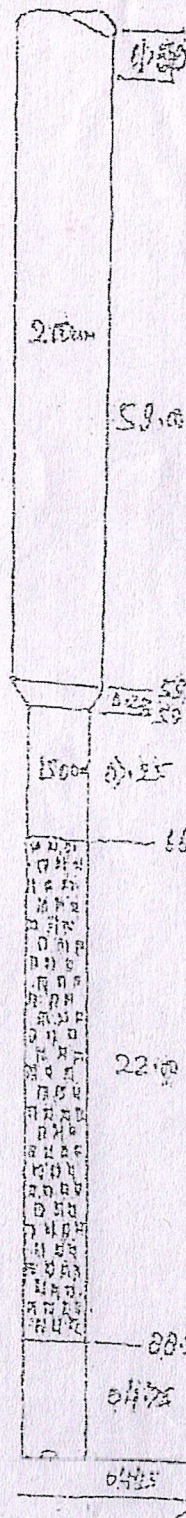
- 1-
- 2-
- 3-
- 4-

150 mm dia. floor pipe cutting

0.6

150 mm dia. sewer pipe cutting

0.6



Drainage Layout

- 1-
- 2-
- 3-
- 4-
- 5-
- 6-
- 7-
- 8-
- 9-
- 10-
- 11-
- 12-
- 13-
- 14-
- 15-

Assistant Engineer
Mans. Kuro. 15.
0.1. 1990

REQUEST FOR INSPECTION			
PROJECT	Construction of Kota Muskil, Raipura and Madepura Group of Villages water Supply Scheme (Surface Water) and Electric /Solar based pipe Ground Water Supply Schemes (270 Nos.) in Villages of Blocks, District Jalaun with Relevant works including commissioning and operation and maintenance for 10 years		
RFI NO			
DATE	14/07/2021		
CLIENT	STATE WATER AND SANITATION MISSION (SWSM)		
CONTRACTOR	BRIJ GOPAL CONSTRUCTION COMPANY PVT. LTD. & SPKL (JV)		
CONTRACT NO.	ED/35/2020-21 DATE:-19.12.2021		
MODE NO-			
LOCATION	Raipura Village - Block Jalaun		
S.No.	Borewell drilling start		
NAME OF SITE ENGINEER (EGCC)	Munishwar	DATE & TIME OF INSPECTION	
SIGNATURE OF SITE ENGINEER (EGCC)	<i>[Signature]</i>	14/07/2021, 10.00 AM	
INSPECTION BY-			
SWSM/JAL NIGAM	PMC/TPI	DATE & TIME OF INSPECTION	
REMARKS:-			
NAME OF SWSM/JALNIGAM / PMC/TPI ENGINEER	SIGNATURE OF SWSM/JALNIGAM / PMC/TPI ENGINEER		

Yield Test Report By 250 P.S.I Compressor

Date Of Test :- 30-7-21

Static W/L

Taste of Water

Seal

Village :- Khandu.

Discharge	ST.PR. Kg/Cm2	RU PR Kg/Cm2	Depre		Sand Contents					Remarks		
			Kg	MTR	Start	5 Min.	10 Min.	15 Min.	20 Min.		25 Min.	
INC	PV											
		5.90	5.40	0.50	5.00	3600	3000	2000	1600	900		
		8.70	8.10	0.60	6.00	4200	3600	2900	1800	1000		
		9.60	8.90	7.0	7.00	4600	4000	2800	2000	1250		
		12.50	11.20	8.0	8.00	4800	4200	2800	2100	1400		

Note:- Recommended For Further Development

Note:- Recommended For Further Development by O.P. Unit.



(TESTING DIVISION)

PG- No. 15, Kinfra No. 352, Madhya Pradesh, Bhopal (M.P.)
E-mail: ambilabtesting@gmail.com, Website: www.ambilabtesting.com



TEST REPORT

Issued To	M/s Brij Gopal Construction Company Pvt. Ltd., A -7/2, Shivaji Apartment Sector -14, Rohini, New Delhi.-110085.	Report No.	TC601021000001491P
		Date of Receiving	03/09/2021
		Date of Testing Start	04/09/2021
		Date of Completion	11/09/2021
		Date of Reporting	11/09/2021
		Sample Condition	Seal Packed
		Sample Quantity	5 ltr.
		Environment Condition	Ambient Temperature
Description	Drinking Water		
Village Name	Veerpura, Block -Jalaun		
Date of Sampling	03.09.2021		
Letter No.	20/BGCC -Jalaun/2021-22		
Ref.	Award Letter No. -1799/W -17/PMC (BID)/2020 -21 Dated :-27.11.2020		
Ref.	Agreement between BGCC, SPML (JV) and SWSM Dated:-19.12.2020		
Name of Work	Construction of KOTA MUSTKIL, RAIPURA and MADHEPURA Group of villages Water Supply Scheme (Surface Water) and Electric /Solar based pipe Ground Water Supply Schemes (270 Nos.) in Villages of Blocks, District Jalaun with relevant works including commissioning and Operation and Maintenance for 10 Years.		

Test Results

Drinking Water as per IS: 10500-2012(RA -2018)

S. No.	Parameters	Results	Requirement as IS: 10500-2012 (RA -2018)		Test Method
			Acceptable Limit	Permissible Limit	
1.	pH Value, at 27°C	7.42	6.5 to 8.5	No relaxation	IS:3025 (Pt-11)-1983
2.	Turbidity, NTU	0.2	1 Max.	5 Max.	IS:3025 (Pt-10)-1984
3.	Total Dissolved solids, mg/l	359	500 Max.	2000 Max.	IS:3025 (Pt-16)-1984
4.	Fluoride (as F), mg/l	0.972	1 Max.	1.5 Max.	IS: 3025(Pt-60)-2008
5.	Iron (as Fe), mg/l	0.079	1.0 Max.	No relaxation	IS: 3025(Pt-53)-2003
5.	Nitrate (as NO ₃), mg/l	1.24	45 Max.	No relaxation	IS: 3025(Pt-34)-1988
7.	Sulphate (as SO ₄), mg/l	39.5	200 Max.	400 Max.	IS: 3025(Pt-24)-1986
1.	Total Hardness (as CaCO ₃), mg/l	184	200 Max.	600 Max.	IS: 3025(Pt-21)-2009
	Alkalinity as Phenolphthalein (H ₂ SO ₄), mg/l	22	---	---	IS:3025 (Pt-23)-1986 (RA - 2014)
	Alkalinity as Methyl Orange (NaOH)/ Total Alkalinity, mg/l	84	200 Max.	600 Max.	IS:3025 (Pt-23)-1986 (RA - 2014)
	Chloride (as Cl), mg/l	16	250 Max.	1000 Max.	IS: 3025(Pt-32)-1988
	Conductivity at 25°C µs/cm	422	---	---	IS: 3025(Pt-14)-1992

Note:- With respect to the above test sample complies with Specification IS: 10500 -2012 (RA -2018) and with decision rule ATRL/MSF/7.8.6.2 C

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*****End the Report*****



Authorized Signatory
Mamtesh Prajapati
(Quality Manager)

Note: Terms & Conditions are Printed Overleaf