



KALPA-TARU



darvee associates
architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

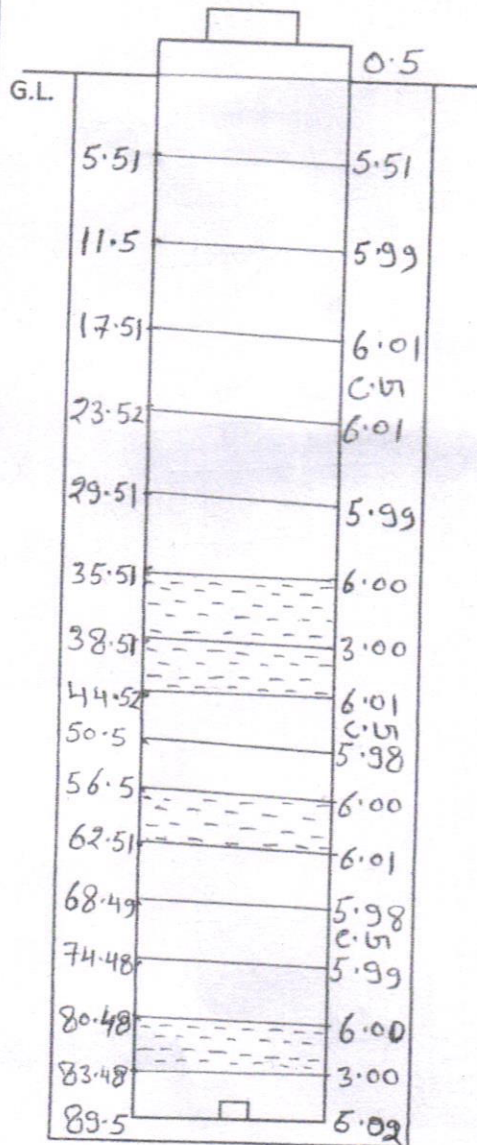
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DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS

Block- Nidhanuli Kalan
GP- Tataspur Doyam

SL.	DPR Details -
	Lowering Date - <u>06/02/2024</u>
1.	Water Discharge in LPM - <u>220 LPM</u>
2.	Bore well Drilling dia- <u>500 mm</u>
3.	Bore well Drilling depth- <u>100m</u>



LOGGING REPORT

Depth- <u>100m</u>		Date- <u>27/01/2024</u>	
SL.	Depth Range	Thickness	Remarks
1	<u>35-45</u>	<u>10m</u>	
2	<u>55-64</u>	<u>09m</u>	
3	<u>80-85</u>	<u>05</u>	
4			
5			
6			
7			
8			
9			
10			
11			

Assembly Details

Proposed Assembly for Lowering

1.	300mm dia MS Plain Pipe-	
2.	200mm dia MS Plain Pipe	<u>71.98m</u>
3.	200mm dia MS Slotted Pipe-	<u>18.02m</u>
4.	200mm dia LCG Pipe -	
5.	300/200 mm dia Reducer -	
6.	MS Bail Plug-	<u>01</u>
7.	MS Ring 300mm-	
8.	MS Ring 200mm-	<u>15</u>
9.	MSSI Clamp-	<u>01</u>
10.	Centre Guide -	<u>03</u>
11.	TW Assembly Support-	<u>01</u>
12.	MS Well Cap -	<u>01</u>
13.	Pea Gravel Packing-	

Ashokan
PTL

TPI
TPI

CLIENT (UPJN)

Lowering work executed as per assembly chart.

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TATARPUR, BLOCK- NIDHAULI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.Jan.2024.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.08 Ohms.

Drilling Water Resistivity = 16.23 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Fine to Medium sand	Medium
3.	17 - 22	5	Clay kankar	
4.	22 - 27	5	Sand & kankar	Medium
5.	27 - 35	8	Clay kankar	
6.	35 - 45*	10	Medium sand	Medium
7.	45 - 55	10	Clay kankar	
8.	55 - 64	9	Fine sand	Medium
9.	64 - 80	16	Clay kankar	
10.	80 - 85	5	Fine sand	Medium
11.	85 - 100	15	Clay kankar	

Ground Water Survey Consultancy





Jal Jeevan Mission

Har Ghar Jal



District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), ALIGARH

BUILDINGNO 01, ADHIKSHAN ABHIYANTA KARYALAYA, NIRMAN MANDAL, U.P. JAL NIGAM, RAMGHATROAD, ALIGARH ALIGARH,UTTARPRADESH-202001 (Test Address only)

Print

Test report

Sample ID:

U1716871519688383

User Information

Name:

Kalpataru Projects International Limited

Mobile:

9098864227

Email:

ssinfra@gmail.com

Pin Code:

Full Address:

Village- Pehara Majra Kabir Pur , Gram Panchayat- Pehara Majra Kabir Pur, Block- Shitalpur, District- Etah, State- Uttar Pradesh

Sample description

Source of Sample:

Tatarpur Doyam

Village:

Tatarpur Doyam

Gram Panchayat:

Rafatnagar Senthara

Block:

Nidhauri Kalan

District:

Etah

State:

Uttar Pradesh

Address:

Remarks:

Latitude:

Longitude:

Date & time of sample collection

27.04.2024 | 11:30:00 AM

Date & time of sample received in lab

29.04.2024 | 10:00:00 AM

Date & time of sample analysed

06.05.2024 | 04:49:00 PM

Date & time of report generation

08.05.2024 | 05:09:28 PM

Test results

Requirement

Permissible limit (in absence of

Test

Sr. No.	Parameters tested	Unit of measurement	(acceptable limit) as per BIS 10500	alternate source) as per BIS 10500	result value	Remarks
1	Calcium (as Ca)*	mg/l	75	200	35.300	
2	Chloride (as Cl)*	mg/l	250	1000	43.100	
3	Colour*	Hazen units	5	15	1.000	
4	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
5	Fluoride (as F)*	mg/l	1	1.5	0.510	
6	Iron (As Fe)*	mg/l	1	No Relaxation	0.020	
7	Magnesium (As Mg)*	mg/l	30	100	37.900	
8	Nitrate (as NO ₃)*	mg/l	45	No Relaxation	5.800	
9	pH*	NA	6.5-8.5	No Relaxation	7.490	
10	Sulphate (as SO ₄)*	mg/l	200	400	18.900	
11	TDS*	mg/l	500	2000	397.000	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	196.000	
13	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
15	Total Hardness (As CaCO ₃)*	mg/l	200	600	244.000	
16	Turbidity*	NTU	1	5	0.900	

Note:

- 1)*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

Authorised signatory
Shailender rajawat (Test Lab Incharge)

*****This is an electronically generated report and does not require a signature.*****

Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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