

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA GADUA, BLOCK- MURSAN, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth ~~110~~ mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 26.May.2023.

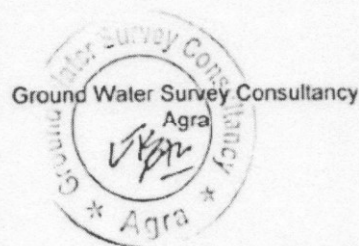
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~16.27~~ Ohms.

Drilling Water Resistivity = ~~17.86~~ Ohms.

Approx Water Level = 21 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Dry sand	
3.	21 - 36	15	Fine sand	
4.	36 - 56	20	Clay kankar	
5.	56 - 70	14	Sand & kankar	
6.	70 - 75	5	Clay kankar	
7.	75 - 87*	12	Medium sand	Medium
8.	87 - 96	9	Clay kankar	
9.	96 - 105*	9	Fine to Medium sand	Medium
10.	105 - 110	5	Clay kankar	



- Logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by firm
as per their logger
calibration / g.g.h
27/05/23

Contractor: BRIJ GOPAL CONSTRUCTION COMPANY PVT LTD

Client: Jal Nigam/SWSM

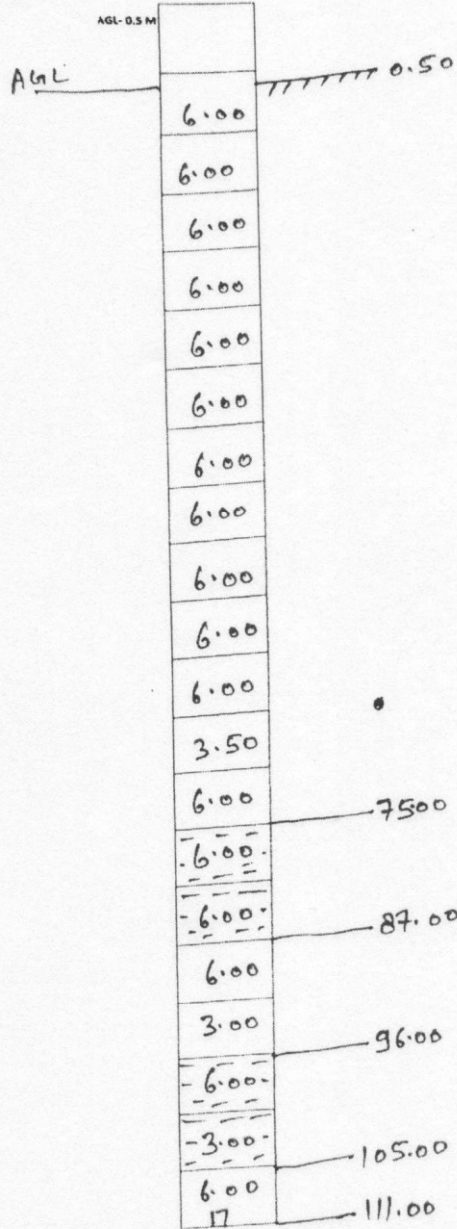
PROPOSED PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Mathras
 Tube Well No:- 1
 Under- Jal Jivan Mission
 Spring Level:- 21m

Block:- MURSAN
 Rig No./Type:- OL

Name of Scheme:- Nagla Majua
 Size of Bore:- 500mmφ
 Assembly Size:- 200mmφ

PROPOSED ASSEMBLY



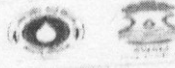
ASSEMBLY DETAILS

AS PER DPR	MM	MTR
Slotted Pipe		
Screen Pipe	200	21.00
Plain Pipe	200	90.50
Housing Pipe		
DPR Lowering Depth		100
Proposed Lowering Depth		111.50
Required LPM	400 LPM	
Logging Date	26-05-23	

Saurabh
 27-05-23
 BGCCL REPRESENTATIVE

TPI REPRESENTATIVE

JAL NIGAM REPRESENTATIVE



District:- Nathraa
 Rig No/Type: DC
 Under - JJM
 Block Name:- *Murugan*
 Scheme name:- *Nathraa*
 Size Of Bore: *500mm* MM
 Assembly Size:- *200* MM
 Required LPM:- *400 LPM*
 Rep.no:

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	M	Pipe No. 23 =	<i>7.00</i> Drilling Started date:
		Pipe No. 22 =	Drilling Depth: <i>120</i> M (As Per DPR)
		Pipe No. 21 =	Lowering Started: <i>28-5-23</i>
	<i>0.60</i>	Pipe No. 20 = <i>6.03</i>	Lowering Completed:
		Pipe No. 19 = <i>6.02</i>	Assembly Lowered: <i>111.24</i> M
		Pipe No. 18 = <i>6.03</i>	Housing Pipe ø _____ MM _____ M
		Pipe No. 17 = <i>6.02</i>	Plain Pipe ø <i>200</i> MM <i>20.84</i> M
		Pipe No. 16 = <i>6.03</i>	Screen Pipe ø <i>200</i> MM <i>21</i> M
		Pipe No. 15 = <i>6.02</i>	Slotted Pipe ø _____ MM _____ M
		Pipe No. 14 = <i>6.03</i>	Total Assembly length + AGL <i>111.24 + 0.60 = 111.84</i>
		Pipe No. 13 = <i>6.02</i>	Actual Drilling Depth <i>120</i> M
		Pipe No. 12 = <i>6.02</i>	
		Pipe No. 11 = <i>6.03</i>	
		Pipe No. 10 = <i>6.03</i>	
		Pipe No. 9 = <i>3.50</i>	
		Pipe No. 8 = <i>6.02</i>	
	<i>75.20</i>	Pipe No. 7 = <i>6.00</i>	
		Pipe No. 6 = <i>6.00</i>	
	<i>87.20</i>	Pipe No. 5 = <i>6.02</i>	
		Pipe No. 4 = <i>3.00</i>	
	<i>96.22</i>	Pipe No. 3 = <i>6.00</i>	
		Pipe No. 2 = <i>3.00</i>	
	<i>105.22</i>	Pipe No. 1 = <i>6.02</i>	
	<i>111.24</i>		
Ball Plug			

Nathraa
 BGCCPL-Ramky (JV) Representative
28-5-23

Gingh
 TPI Representative

UPJN(R) Representative