



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)
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Ref: GIC/JJM/ Jalaun/66

Date : 03.10.21

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Ekona
Block - Kadaura
Distt. - Jalaun

Drilling Depth : 100 mbgl

Logged Depth : 98 mbgl

Date of Logging : 04.10.21

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

Logger Used : Uptron

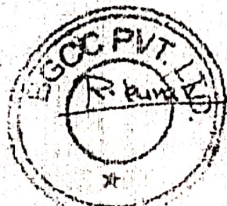
The following permeable granular zones have been deciphered with the help of Electrical Logger.

Depth Range (m)		Thickness (m)	Probable Strata	Quality
From	To			
54	60	6	Fine sand	Good
62	95	33	Coarse sand	Good

Recommendations:

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

Depth Range (m)		Length (m)
62	95	33
Total		33



(A.K. Singh)
Geophysicist

PROPOSED TUBE WELL ASSEMBLY DETAIL CHART

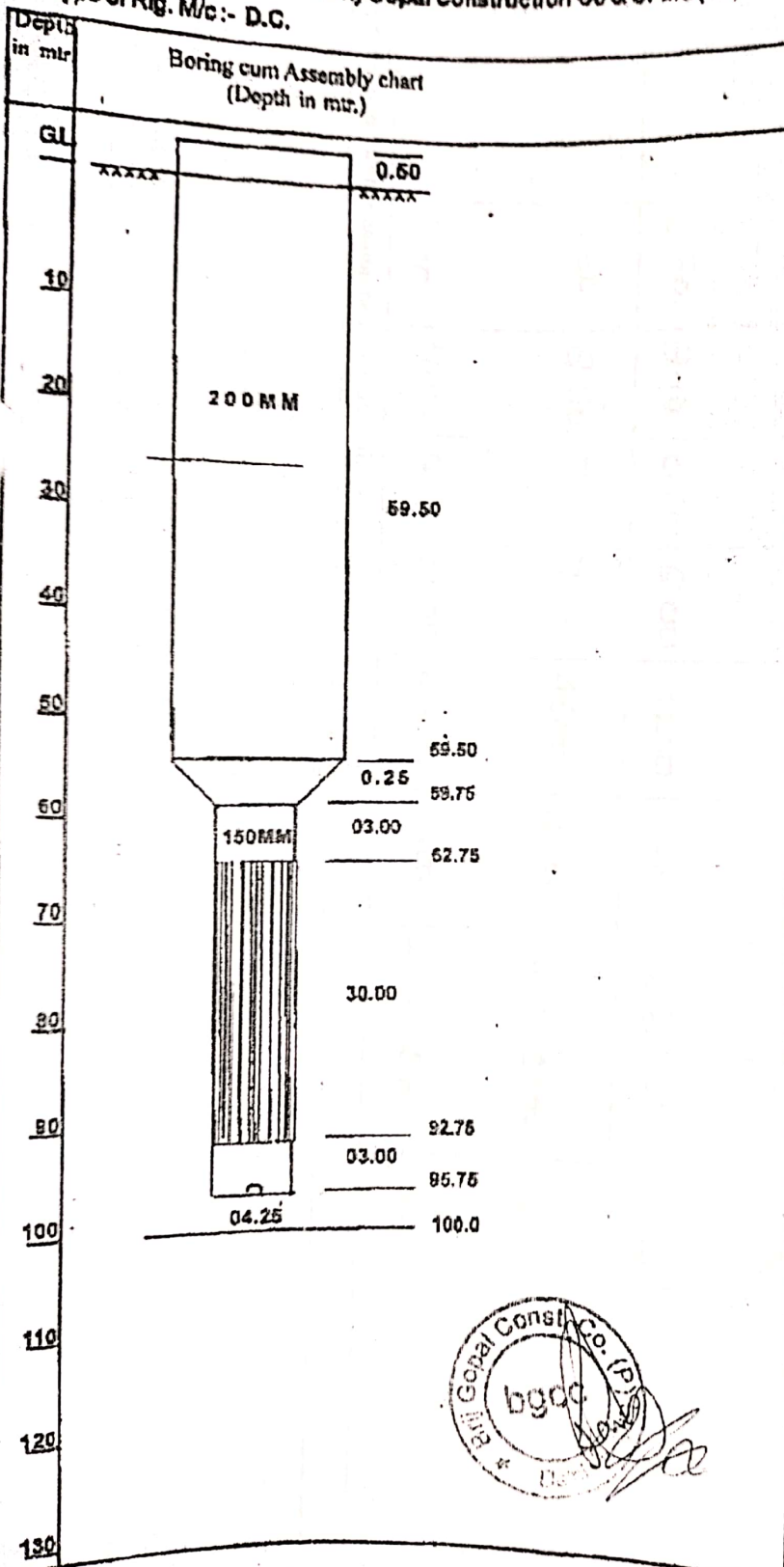
District :- Jalaun

Name of Scheme:- JAL JEEVAN MISSION

Name of T/W Site :- Village - Ekona, Block - Kadaura

Name of Contractor :- M/s Brij Gopal Construction Co & SPML (JV)

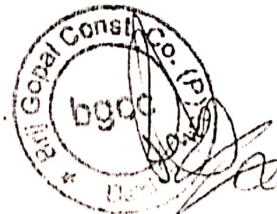
Type of Rig. M/c :- D.C.



DRILLING DEPTH - 100.00 Mtr
LOGGING DEPTH - 98.00 Mtr
LOGGING DATE - 04/10/2021

Sl. No.	Zones in Mtr. B.G.L.	THICKNESS IN Mtr.	Remark
1	54.00-60.00	6.00	Fine Sand
2	62.00-95.00	33.00	Coarse Sand

[Signature]
Assistant Engineer
Jhansi Khond-1st
U.P. Jal Nigam, Jhansi



Note - Not to Scale

YIELD TEST REPORT BT 250 P.S.I COMPRESSOR

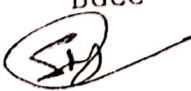
DATE OF TEST:-		STATIC W/L		TEST OF WATER		Sweet						
Village:		EKONA (Kadgura)										
DISCHARGE		ST. PR.	RU PR	Depre		SAND CONTENTS		10 MIN	15 MIN	20 MIN	25 MIN	REMARKS
INC	LPM	KG/CM ²	KG/CM ²	KG	MTR	START	5 MIN					
		5.90	5.40	0.50	5.00	3600	3000	2000	1600	900		
		8.70	8.10	0.60	6.00	4200	3600	2400	1800	1000		
		9.60	8.90	7.0	7.00	4600	4000	2600	2000	1200		
		12.00	11.20	8.0	8.00	4800	4200	2800	2100	1400		

Note: Recommended for further development by O.P. Unit.

YIELD TEST REPORT

Name of Scheme:- <u>TUBEWELL SCHEME</u>				
Location of T/W :- <u>Ekang (Block Kachara)</u>				
Required discharge as per scheme:- <u>410 LPM</u> 199.8.				
Date of testing :- <u>14-10-21</u>				
Taste of water :- <u>Sweet</u>				
Physical water quality :- <u>Sound free</u>				
Sr No	S.W.L. in mtr.	R.W.L. in mtr.	Depression in mtr.	Discharge in LPM
1.	26 mtr.	27 mtr.	1 mtr.	1550 L.P.M
Remark				
Recommended Discharge:- <u>410 LPM</u>				
Water Sample Collected:- 5 Ltr ✓				

Checked by:-

BGCC
TPI/PMC

14/10/21

Jal Nigam/ SWSM