

# OFFICE OF THE EXECUTIVE ENGINEER DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

328(B)  
151

Completion plan of -Umarpur WSS , BLOCK- Bachhrawan UNDER JJM PHASE-II--( 133/18 ) District Raebareli  
 Type of Rig Machine- D. C RIG MACHINE Size of Bore - 600 X 450mm, Static W/L- LPM-700  
 Contractor Name – M/S NCC SWSM PROJECT RAEBARELI

DEPTH OF BORE IN M.B.G.L	DEPTH OF STRATA IN M.B.G.L	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY
	±0.00	+0.50 ±0.00	Ø 300 mm dia Housing Plain pipe from(AGL) 0.00 MAGL to 0.50 MAGL 0.50 M.
	-8.9	300 mm	Ø 300 mm dia Housing Plain pipe from (BGL) 0.00 MBGL to 43.00 MBGL 43.00 M.
600 mm	35.2		Ø 300 mm dia Pipe Slotted pipe from 43.00 MBGL to 46.00 MBGL 3.00 M.
			Ø 300 mm dia Pipe Plain pipe from 46.00 MBGL to 50.00 MBGL 4.00 M.
		-43.00	Ø 300 mm dia Pipe Slotted pipe from 50.00 MBGL to 65.00 MBGL 15.00 M.
		-46.00	Ø 300 mm dia Pipe Plain pipe from 65.00 MBGL to 68.00 MBGL 3.00 M.
		-50.00	Ø 300 X Ø 150 mm dia Reducer from 68.00 MBGL to 68.2 MBGL 0.20 M.
		-65.00	Ø 300 mm dia Pipe Bail Plug from 68.20 MBGL to 74.20 MBGL 6.00 M.
		-68.00	
		-74.20	
450 mm	-87.88		Total Assembly (AGL + BGL) - 74.70 M.
			<b>ABSTRACT</b>
			1. Drilling Started on Dated -- 14.11.2022
			2. Drilling Completed on Dated -- 18.11.2022
			3. Drilling Depth -- 600 mm Dia 96.00 M
			450 mm Dia 209.00 M
			Total- 305.00 M
			4. Assembly lowered on Dated -- 28.11.2022
			5. Assembly Lowered -
			(A) Housing pipe 300 mm dia(AGL) - 0.50 M
			(B) Housing pipe(Plain)300 mm dia(BGL) - 50.00 M
			(D) Reducer (300 mmX 150 dia) - 0.20 M
			(E) Slotted pipe/screen – 300 mm dia- 18.00 M
			(F) Plain pipe 150 mm dia - 6.00 M
			Total assembly- 74.70 M
			6. Yield Test Date of T/w - N/A
			7. Recommended Discharge - N/A
			<b>LOGGING REPORT</b>
			Depth Logged-310.00 Mbgf Date of Logging-19.11.2022
			Sl. Depth Range Mbgf Thickness m. Remarks
			1 34-39 5 Good
			2 41-46 5 Good
			3 50-65 15 Good, Intermixed kankar bands
			4 292-300 8 Moderate
			5
			6
			7
			8
			9
			Note:-1) Formation water quality is deteriorating from marginal to saline in between 73mbgl to 270 mbgl . Pl make ensure pre- monsoon water level data before lowering.

Prepared & Proposed By  
  
 M/S NCC  
 PROJECT (SWSM-Raebareli)

  
 PPIA  
 (CEINSYS)

Checked By  
  
 Junior Engineer  
 (UPJN)

Recommended By  
  
 Assistant Engineer  
 (UPJN)

Manager (G.W.)  
 Approved By  
  
 Executive Engineer  
 (UPJN)



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/32

Date : 19.11.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Umarpur, Block – Bachharawan  
Distt. – Raebareli

**Drilling Depth** : 350 mbgl as reported by Driller

**Logged Depth** : ~~310~~ mbgl

**Date of Logging** : 19.11.22

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

**Logger Used** : ~~Upton~~

**Presence** : Representative of M/S NCC Ltd.

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	$R_{mf}$ & $R_w$
<del>1</del>	34 – 39	5	Good	$R_{mf} = 12.3 \Omega m$ $R_w = 14.1 \Omega m$
<del>2</del>	41 – 46	5	Good	
<del>3</del>	50 – 65	15	Good, Intermixed kankar bands	
<del>4</del>	292 – 300	8	Moderate	



**Remark** : ~~Formation~~ water quality is deteriorating from marginal to saline in between 73mbgl to ~~285~~ mbgl. Pl make ensure pre-monsoon water level data before lowering.  
270

C C :

M/S N C C Limited, Raebareli Rural (SWSM Project).

Verified as per logs provided.

ASSISTANT GEOLOGIST  
CIRCLE OFFICE (EM)  
U.P. JANKIPURAM RURAL  
21/11/22

  
  
(A.K. Singh)  
Geophysicist