GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 577

Date: - 04-01-2023

NAME OF SITE

Gram Panchayat-Badhepur

BLOCK- Tilhar DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd. Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations. 112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006 (M): 9412260823, 9794625420, 9761163000, Email: gwsc_agra@yahoo.com

Ground Water Survey Consultancy

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BADHEPUR, BLOCK- TILHAR, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Jan.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected
1.	0 - 5	5	Surface soil	Water Quality
2.	5 - 10	5	Clay kankar	
<u> </u>	10 - 60*	50	Medium sand	Medium
- 4.	60 - 82	22	Clay kankar	Wicalani
<u> </u>	82 - 93*	11	Medium sand	Medium
0.	93 - 97	4	Clay kankar	
	97 - 120*	23	Medium sand & kankar	Medium



Conclusions and Recommendations :-

- 1. The Lithology broadly tallies with that of drill cutting strata chart.
- 2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
- 3. The Quality of water is expected Medium.
- 4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
- 5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist

Ground Water Survey Consultancy

		Consultancy - Agra	logger Owrec by	DIMPL-2	Logger Model			IGIS/S/03/21-22	logger Sitio		One organia	ETCAIP DUCTA (A)	Training as the control of the contr	Logging Details:	E Neglin	NIG SN.
	-100-	\$ 8	m	v ė	- (°	400	9 0	20	است	50-	0	hm m	99-	110-	7 Z	=======================================
0		1 2				3		<u>i</u>	İ	Ť	7	-	ŤŤ		<u> </u>	\$
5-				1	1 1	7		4	7	+	2	+	1	\dagger	\parallel	+
6		2		П						}	~	NA V	+	1		+
5		\$.					+	+	15	3		Porger	+	-		-
8-	-	A A A A				1 1	+	+		4	+	\$	4-1	-	H	+
25	33	-			+	-		-	$ \cdot $	7		+	NWW W		P	
8 -	22	3	-										1	5	1	1
35-	_	3	1			T 1				3				}		=
5 -		N			- 1 - 1								1	>	3	,
5-	Work W.	COLADIOMIN								1			13/	1	3	
	The state of the s	ALL PARTY		7. 7.						1			Lawrend and a safe	1	3	
8-		1	ST N				1		4.	1	* 1. ****		13	+	\$	
55 D			-	in the same of the				1 2 2		7	H		3	- 2	-	-
Depth (m)				4						1		-		2	>	
85-		+			200				-	<u>{ </u>			E CONTRACTOR OF THE PROPERTY O	1		-
ਰ-				2						1			} {			
3-		The same and		44.6					}			15			5 7	
8-	The second second	- Control of the Cont		42	200	÷			1			S. S.	4			
		-	Manage spaces	*					1			Nava de		à E		T
8		-		5				$ \cdot $			1	13				
8-	+	- The state of the		N. W. C.	-	-	-	H	-\{\bar{\}}		H	र्रेड		+	*	-
3 3	-	-		- 3	Sept.	-	-		4	-	1	-	1	+	-	-
ã-		+		1	-		-	-	-	+		The	-	-		\vdash
ᇙ-		-		1		-	-		_ {	-		mon	2		10	
5 -												\$	3		la la	
				Shill Saleston					1	9		N. N.	1			
120											931 (c)	1000	MM			

