





## PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

Format No : JMC/232	REQUEST F	OR INSPECTION (F	RFI)	
Contractor Name: JN	221F/00001 RFI no	: JJM/ETAH/JMC/	Date : 11 0 9	23.
Traine. Ji			h)/2021-22 dated 07.01	.2022
District: Fanh		ation of Work	C A 0:	
- Lun	re ready for inspection :	thoria.	Scheme: GA Po	
:80	Tube Well Excavation		Date: 12\04\209 cc	RCC C
Shuttering Br	ick Work Plaster Wo	ork Paintir	ng Sta	nd Post
Rising Main □	Backfilling M.S. V	Vicket Gate/ Window	Interlock	ing Tile
HDPE Pipeline	Others			
ollowing Mechanical, Ele	ectrical, C&I items are ready for insp	pection :	Date :	
nstrumentation	Welding Valves	Chain	Pully D	3 Set
Pump Set	Stabilizer Pann			ating Plant
Earthing cable		vel / Pressure Transmitte		RTU
Vork Description :	Starter Piping	g-DI()HDPE()M	S()MUPE()	Others
Lix Tube	well Doilling and	d logging	Work Inspe	ction.
<ii>) Dayli</ii>	ling Depth and Sis	ze => 1101	ITR and 50	bomm b.
Lins Dis	change as per Df	R > 520	DLPM.	,
	of Machine -		Machine.	
On Date : 12 04	2023 Time:	11:00 AM.		
Submitted By	Lymar Jadw Date 11 0 g	93. Time 06!	30PMsign Sund	Kumer Yada
[PI ( Aarvee)	Alima Can w	120	o Vi Samo	417013 CHEALT
Recieved By	Date	Time	Sign [Still	
eits:	Dailling depth	n = 110mtr		
	Dailling depth Logging depth	ns 110mtr		
Civi	Department		E&M , I/C Department	
NAME :	APPROVED	NAME:		APPROVED
ESIG:	APPROVED AS NOTED	DESIG:		APPROVED AS NOTED
SIGN:	REJECTED	SIGN:		REJECTED







### PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

	REQUEST FOR	INSPECTION (RFI)		- 0
ormat No : JMC/232221F/000	01 RFI no: JJ	IM/ETAH/JMC/	Date: 17 09 90	23
Contractor Name: JMC Project	ts (I) Ltd. LOA No- 3	3563/W-25 (Aligarh)/2021-	22 dated 07.01.2022	
		on of Work		1 Grambh 51
District: Esah	Block: Jayth		eme: GAS Pings	Singh.
Following civil items are ready f	or inspection :		8/04/2023 RCC	
SBC Tube Well	Excavation	PCC _	Stand Post	
Shuttering Brick Work	Plaster Work	Painting	Interlocking Tile	
Rising Main Backfillin	ng M.S. Wick	ket Gate/ Window		
	Others		<b>D</b> -4	
Following Mechanical, Electrical, C&	I items are ready for inspect	tion :	Date:	$\neg$
Instrumentation Wel	ding Valves	Chain Pully	Chlorinating P	lant 🗀
Pump Set Stabiliz		Sloar	RTU	
EMF Me		/ Pressure Transmitter		
Earthing cable Starter	Piping- [	OI()HDPE()MS()ME	)	°
Work Description :			T . A. 1	
<1> Tubewell	Aggembly .	lowering wo	or Inspects	on'
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 111 01	1 01-06-1	Jailbourge
(ii) Location:	> Gr> lings	oil Ciamphia Ding	gn, block =	S JOURT UDIG
ciii> Alssembly	Size => 200	mma		
		,		
· ·				
On Date: 1809 2023	Time :	02; 00 PM.		
Submitted By	YJeday Date 17/04	23 Time 09; 56	Sign Synu Ke	max Jadav.
TPI ( Aarvee)	-0-1111			
Recieved By	Date	Time	Sign [Di]	
c-Jents:	Total assem	6ly= 103.52 M	1 Fr	
I	200mm plain	61y= 103.52 M MM= 79.521	ntr	
	Stotted Pil	pe= 24 mtr		
Civil Departs			M , I/C Department	
Civil Departr				PROVED
NAME:	APPROVED	NAME:		T NOVED
	APPROVED AS	DESIG:		PPROVED AS
DESIG:	NOTED			NOIED
SIGN:	REJECTED	SIGN:	RE	EJECTED

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KALPA-TARU\* aarvee associates architects engineers & consultants pat. Itd.





QUALITY MANAGEMENT SYSTEM Format No: KPTL/232221F/00023

Serie Labor.	*INTO UV architects angineers & consultants prof. Itd.	SL. DPR Details -
DEPTH OF	PROPOSED ASSEMBLY DETAILS	
STARTA	PROPOSED ASSEMBLE	Discharge In I Pivi
	Block- Jaithasia	2. Bore well Drilling dia- 500 mm $\Phi$
	BIOCK- OHITIGATE	u puilling dentili-
	GP- Pingoli Grambhion Singh.	3. Bore well Drilling depth. 1707  LOGGING REPORT
	0.50 △	Depth- 10 MTA Date- 13 0 4 20 23.  Thickness Remarks
		SL. Depth Range
	G.L. B 5.36 5.36 MTR  6.01 11.37 MTR  6.02 > 17.39 MTR  6.01 23.40 MTR	1 53-66 13 Mediyam
	6.02 > 17.39 MTR	2 77-82 6 medium.
	(B) 6.01 23.40MTR	3 7 7 205
	(B) 6.01 23.40MTR 6.03 29.43 MTR	5 91-97 6 Medium
		6
	6.02 35.45MTR	7
	12 6.01 41.46 MTR	8
	(i) 6.03 47 49 MTR	9
	2 - 1150	10
	1111	Assembly Details
	9 F. 6:00 3 59 50 MTR	ASSERIMITY Detains
	@ 6.00 65.50 MTR	-
	7 6.04 71.54 MTR	
	6 5.46 77.00MTR	Proposed Assembly for Lowering
		1. 300mm dia MS Plain Pipe-
	6.00 83.00 MTR	2 200mm dia MS Plain Pipe +9 · 52 111
	@ 6.03 89.03 MTR	3. 200mm dia MS Slotted Pipe-248 MTR
	3 4 1.97 91.00 MTR	4. 200mm dia LCG Pipe -
	arris citi	3. 300/200
	Q = 6.00 97.00MTK	
		7. MS Ring 300mm-
.,	0 6.02 1.3 00 MT	8. MS Ring 200mm- 17 nos ·
N <sub>a</sub>	103.02 MT	
		11 TW Assembly Support- (1) 100
¥		12. MS Well Cap - Ol nos
	·	13. Pea Gravel Packing- 9 · o 3 m <sup>3</sup>
		Son Canal

Sunul Kumar Yadav KPTL

TPI
Lowering work
enecuted as
per assembly chart

CLIENT (UPIN)

### REPORT ON GEOPHYSICAL WELL LOGGING AT

RAM PANCHAYAT- PINJRI GAMBHIR SINGH, BLOCK- JAITHARA, DISTT- ETAH

### UNDER JAL JIVAN MISSION

### Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 13.April.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 = 15.70 Ohms. Drilling Water Resistivity = 16.19 Ohms. Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water
3.140.	Dop.ii. vaga (a)			Quality
1.	0 - 5	5	Surface soil	,
2.	5 - 9	4	Dry sand	
3,	9 - 15	6	Sandy clay	,
	15 - 20	5	Fine sand	Medium
5.	20 - 36	16	Clay kankar	
	36 - 45	9	Fine to Medium sand	Medium
6.	45 - 53	8	Clay kankar	
7.	53 - 66*	13	Medium sand & kankar	Medium
8.	66 - 77	11	Clay kankar	
9.	77 - 83*	6	Medium sand	Medium
10.	83 - 91	8	Clay kankar	
11.	91 - 97*	6	Fine to Medium sand	Medium
13.	97 - 110	13	Clay kankar	1
13.	77 - 110		1 2 .0	hertony ed a

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Lev SWSIM guidlines

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Ground Water

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

### GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-P- 115

Date:- 13-04-2023

### NAME OF SITE

GRAM PANCHAYAT- Pinjri Gambhir Singh

BLOCK- Jaithra

DISTT- Etah

### NAME OF AGENCY

M/s Kalpataru Power Transmission Limited Etah



### 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

ISO; 9001: 2015

**Ground Water Survey Consultancy** 



# REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- PINJRI GAMBHIR SINGH, BLOCK- JAITHARA, DIS<sub>TE ET</sub> UNDER JAL JIVAN MISSION

### Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

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Approx Water Level = 12 Mtr.

Expected Water

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected water Quality
	0 5	5	Surface soil	
1.	0 - 5	4	Dry sand	
2.	9 - 15	6	Sandy clay	
3.	15 - 20	5	Fine sand	Medium
5.	20 - 36	16	Clay kankar	
6.	36 - 45	9	Fine to Medium sand	Medium
7.	45 - 53	8	Clay kankar	
8.	53 - 66*	13	Medium sand & kankar	Medium
9.	66 - 77	11	Clay kankar	
10.	77 - 83*	6	Medium sand	Medium
11.	83 - 91	8	Clay kankar	
12.	91 - 97*	6	Fine to Medium sand	Medium
13.	97 - 110	13	Clay kankar	

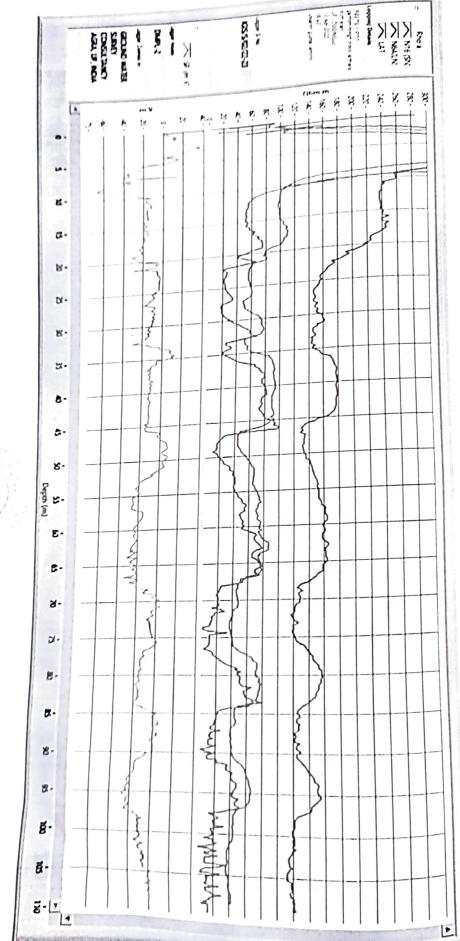


### **Conclusions and Recommendations:**

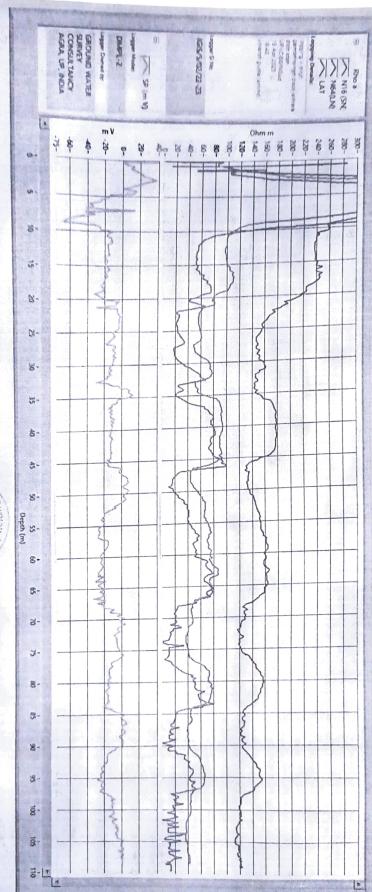
- The Lithology broadly tallies with that of drill cutting strata chart.
- The zones marked with asterisk (\*) appear to be aquifer zones for possible Development of tube well.
- The Quality of water is expected Medium.
- It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
- 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









REJECTED



REJECTED

SIGN:





POVVE	R TRANSPISSION LIMITED	& consultants pvt. ltd.	and other than	Mewe
PROJ	ECT - STATE WATER A	ND SANITATIO	N MISSION PROJEC	Utter Pradesh
		T FOR INSPECTIO		- LIAII
Format No : JMC/232	2221F/00001 RFI	no: JJM/ETAH/JM		0.1
Contractor Name: JA				09/23.
		ocation of Work	ligarh)/2021-22 dated 0	7.01.2022
District: Edah	Block:	aithoora.	Schome . C. A.	0.
Following civil items a	re ready for inspection :	out the late	Date: 19\max	Pingoni Gambhi
	Tube Well Excava	ation	Date: 19/04/9	028. Singh
Shuttering Bri	ck Work Plaster	Work	ainting	RCC
Rising Main ☐		6. Wicket Gate/ Windo		Stand Post
HDPE Pipeline	Others	- Trioxot Gate/ William	w Inter	locking Tile
ollowing Mechanical, Ele	ctrical, C&I items are ready for in			
nstrumentation	187-1-0	-	Date :	
oump Set	Chalill		ain Pully	DG Set
Lighting		nnel	Sloar Chic	prinating Plant
arthing cable		evel / Pressure Trans		RTU
Vork Description :		ing- DI ( ) HDPE (	)MS()MDPE()	Others
LIN DISC	well Drilling and Silhastge als per D	nd Jogging  ize => 110  PR => 55	Work Insp MTR and 5 20 LPM.	ection.
	of Machine	=> Rig	Machine.	
On Date: 12 04 9	2023 · Time:	11:00 AM	1.	
Submitted By	Juman Yaday Date 11 1- 0	h D Time of	1.2.000	
	ymar Jadw Date 11 00	FF23, Title 06	30 PMSign Synul	Kyman Jejdan.
lecieved By	Date	Time	Sign (Prid	
comments:	Dai-ling dept	h = 110 m h	Sign (41)	
	Dai-lling depr Logging depr	hs 110mts		
Civil I	Department			
	-Landerschiff		E&M , I/C Department	
AME:	APPROVED	NAME:		APPROVED
ESIG:	APPROVED AS NOTED	DESIG:		APPROVED AS NOTED
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REJECTED	SIGN:	REJECTED		-	SIGN:
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APPROVED	NAME:	APPROVED			NAME:
E&M , I/C Department			rtment	Civil Department	
24 mtr	S n =	stoted assembly =	Loon		Comments:
Sign (Si)	Time	Date	-		Recieved By
Time 09: 56 Sign Sunul Kumar Yada		Date (7) o	ox Jeldan	Submitted By Sugul Kymax Jedan Date 17 0493	Submitted By
00 PM.	02:0	Time:		109/2023	On Date : 18
Assembly lowering work Inspection.  Col > Pingoi Gambhion Singh, Block > Jaitha	Jower Join Com	maly of hims	The state of the s	Tubewell Assembly Jowes Location & Colf & Pingsii Gram Assembly Size > Soommon	
( ) MDPE ( )	j- Di ( ) HDPE	Piping			Earthing cable Work Description
Chain Pully DG Set Sloar Chlorinating Plant RTU	ves Chain Pu annel Sloai Level / Pressure Transmitter	Valves   Pannel	Welding Institution	Weldin Stabilizer EMF Meter	Instrumentation Pump Set Lighting
Date :	ection :	ready for insp	C&I items are	Following Mechanical, Electrical, C&I items are ready for inspection:	Following Mecha
		П	Others		HDPE Pipeline
indow Interlocking Tile	M.S. Wicket Gate/ Window	M.S. W		Backfilling	Rising Main
Painting Stand Post Stand Post	Ô	Plaster Work		Brick Work	Shuttering
PCC 18/04/20 20 RCC 3/79/		Excavation		SBC Tube Well Figure 1.	SBC
ingon G	outhous	01	Block :	items are read	District:
rk	Location of Work	Loc			
שישרווש- טטטטוזו בט ני אושמוווווימטבו בב ממוטע טויט ויפטבב			יטיים נין בישי		

Supul Kumar Yaday KPTL G.L 0 (L) **©** F 5...6.00 A 65.50 MTR 6:007 97,00MR 6. MS Bail Plug-MLW 00-88 00:9 2003 50 50 MTR 38.5 6.0 6.02 6.02 600 80.9 6.01 6.0 6.02 40.9 6:0 6.03 Lowering work
enecuted as
per assembly chard 753, SOMTR >17-39 MTR STM00 FF 29. 43 MTR 23. 40MR 71.54 MTR 35.45MTR 47 49 MTR 41. 46 MTR 03-02 MTR 9. MSSI Clamp-3. 200mm dia MS Slotted Pipe-24-8 MTR Proposed Assembly for Lowering 9 œ 4. 200mm dia LCG Pipe -5. 300/200 mm dia Reducer -8. MS Ring 200mm-2. 200mm dia MS Plain Pipe 1. 300mm dia MS Plain Pipe-SL. **Assembly Details** 9 11. TW Assembly Support-10. Centre Guide -7. MS Ring 300mm-12. MS Well Cap -Depth-Pea Gravel Packing-Depth Range 91-97 77-83 53-66 HOMIK CLIENT (UPJN) Date-13/04/2023. Thickness <u>ر</u> 7 nos ol nos o pos 9.03 m3. ol nos: Remarks medium. medium. Mediuam アコス

- ---- ransmission limited, Etah.

of Strata Chart prepared from drill cuttings are given in the following table:-Details of major Aquifer formations explored from logging of bore hole combined with the study Logging in the above bore hole using IGIS Well Logger on 13.April.2023. Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well

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Drilling Water Resistivity = 16.19 Ohms.

Approx Water Level = 12 Mtr.

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	1.2	127		1	9.	18	1	) 0	Ų	. 4	3,	) [.	2		S.No.
Laport J 282	97 - 110	91 - 97*	83 - 91	77 - 83*	66 - 77	53 - 66*	45 - 53	36 - 45	20 - 36	15 - 20	9 - 15	3-9		2 2	Depth range(m)
Ground Water Survey Consultancy	IJ	G	œ	6		3	~	9	5	5	6		many Commonwealth and the Comm	The second secon	Thickness(m)
consultancy her SWSIM go Cronward SWSIM go and colored	Clay kankar	Fine to Medium sand	Cluy kunkar	Medium sand	Clay kankar	Medium sand & kankar	Clay kankar	Fine to Medium sand	Clay kankar	Fine sand	Sandy clay	Dry sand	Surface soil		Lithology
her Swsin gudlines chountwater quelly continuous their by fine and of relead by fine and of relead by fine		Medium	The second secon	Median	The second control of	Medium	The analysis of the second sec	Nediun	** ***********************************	Nedium	And the second s			Quality	Expected Water

DISTT- Etah

# NAME OF AGENCY

M/s Kalpataru Power Transmission Limited Etah



# GROUND WATER SURVEY CONSULTANCY

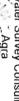
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M): 9412260823, 9794625420, 9761163000, Email: gwsc\_agra@yahoo.com

ISO; 9001: 2015

Ground Water Survey Consultancy
Agra





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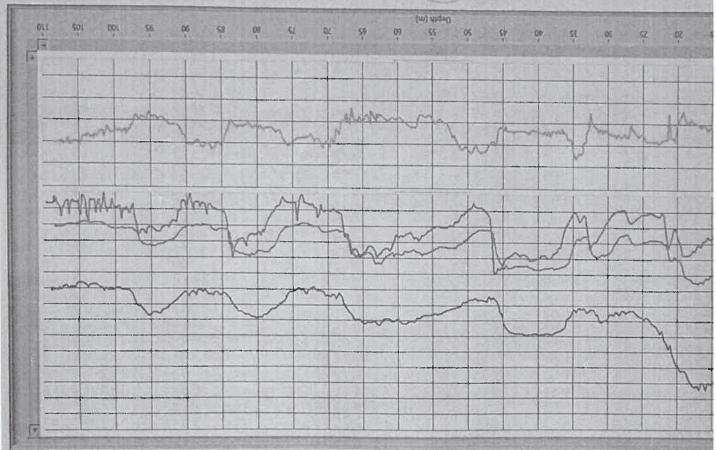
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Cronud W

Geophysicist

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:

U1621760S12276624

### **User Information**

Name:	KALPATARU POWER TRANSMISSION LIMITED	Mobile:	9758010399						
Email:	praveen.singh2@kalpatarupower.com	Pin Code:							
Full Address:	Village- Barthar , Gram Panchayat- Barthar, Block- Shitalpur, Distri	ct- Etah, State- Uttar Pr	radesh						
Sample description									
Source of	Tube well / Bore well / Well  Village: Pinjari Gambheer Singh								
Sample:									
Gram Panchayat:	Pinjari Gambheer Singh	Block:	Jaithara						
District:	Etah	State:	Uttar Pradesh						
Address:		Remarks:							
Latitude:		Longitude:							
	Date & time o	of sample collection							
		23   12:25:00 PM							
	Date & time of s	ample received in la	b						
	31.05.202	23   12:11:00 AM							
	Date & time o	of sample analysed							
	31.05.202	23   12:22:00 AM							
	Date & time o	of report generation							
	04.06.202	23   12:57:44 AM							

### **Test results**

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Calcium (as Ca)*	mg/I	75	200	70.500	
2	Chloride (as Cl)*	mg/I	250	1000	102.000	
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	0.160	
6	Free residual Chlorine	mg/l	0.2	1	0.000	
7	Iron (As Fe)*	mg/I	1	No Relaxation	0.230	
8	Magnesium (As Mg)*	mg/I	30	100	50.500	
9	Nitrate (as NO3)*	mg/I	45	No Relaxation	41.200	
10	Odour*	NA	Agreeable	Agreeable	0.000	
11	рН*	NA	6.5-8.5	No Relaxation	7.460	
12	Sulphate (as SO4)*	mg/I	200	400	18.300	
13	TDS*	mg/I	500	2000	782.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	456.000	
15	Total Arsenic (As As)	mg/I	0.01	No Relaxation	0.000	
16	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
17	Total Hardness (As CaCO3)*	mg/I	200	600	392.000	
18	Turbidity*	NTU	1	5	0.920	

### 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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