JAL JEEVAN MISSION COMPLETION PLAN OF TUBEWELL

Block: Amanpur



State Water & Sanitation Mission NAMAMI GANGE AND RURAL WATER SUPPLY DEPARTMENT
Government of Uttar Pradesh

District: Kasganj

ame of Scheme:Sarsawan Lubewell No. & Location:

Programme: Jal Jeevan Mission,

Type of Rig M/c: DC Static water level: 4.20 Mtr.

Number & Location of tube-well Executed:-

Size of Bore: 600X500 MM dia

Name of Agency : M/s PNC-SPML(JV) Kasganj C.A. No:- 240/ED/2021-22/III & Dt-17.01.2022 Depth B. GL Meter Stratam Lowered Assembly **ASSEMBLY DETAILS** 300 m.m. Dia Housing pipe G.L0.50 MGL. 0-5 surface soil 300 m.m. Dia Housing pipe G.L to 41.50 MBGL. 300X200 m.m. Dia Reducer pipe 41.50 M to 41.70 MBGL. 200 m.m. Dia Blind pipe 41.70 M to 44.72 MBGL. 5.22 Clay kankar 200 m.m. Dia slotted pipe 44.72 M to 53.72 MBGL. 200 m.m. Dia Blind pipe 53.72 M to 71.90 MBGL. 200 m.m. Dia slotted pipe 71.90 M to 80.900 MBGL. 22-31 Medium sand 200 m.m. Dia Blind pipe 80.90 M to 87.97 MBGL. 200 m.m. Dia slotted pipe 87.97 M to 93.97 MBGL. 200 m.m. Dia Blind pipe 93.97 M to 100.01 MBGL. 4 3000 m.m. Dia slotted pipe 100.01 M to 106.01 MBGL. 31-42 Clay kankar 200 m.m. Dia Blind pipe 106.01 M to 112.05 MBGL. 41.70 42-55 Medium sand 44.72 53.72 55-72 Clay kankar 71.90 Required Discharge: 640 LPM Medium sand Depth of 600 MM bore: GL. To 47.50 MBGL. 66.08 Depth of 500 MM bore: 47.50 MBGL. To121.0 MBGL. 82-88 Clay kankar 64-67 88-95 Medium sand 95-100 Clay kankar 100-107 Medium sand 107-121 Clay kankar **ABSTRACT** 1. Drilling Started on :-04.06.2022 2. Drilling Completed on :-05.06.2022 3. Assembly Lowered on :- 08.06.2022 4. Assembly Lowered :-112.55 mtr Blind Pipe 300 m.m. dia :- 42.00 mtr Blind Pipe 200 m.m. dia :- 40.35 mtr Slotted Pipe 200 m.m. dia :- 30.00 mtr Rducer 300x200 m.m -. 2 mtr Annexares: 1. Logging Report, 2. Water Test Report

Imed hS

Executive Engineer Division Office (E/M)



GRAM PANCHAYAT-SARSWA MOHAN NAGLA, BLOCK-AMAPUR DISTT- KASGANI UNDER JAL JIVAN MISSION

handsofon;

A Deep bore hole was drilled 122 mirs, depth, and Logged depth 121 mirs, at above site. Was defined by M/S PNC-SPML-JV, Kasgard.

On the request of M/S PNC-SPML-V, Keeganj. a Geophysical well Logging is conduct at above bore hole using IGIS Wisit Logger on 08. June. 2022.

Logging Pare meters - Self potential, short normal (N-18), Long Normal (N-54), Lateral. Details of major equiler formations explored from logging of bore hele combined with the study of Strata Chart prepared from drift outlings are given in the following table:-

> Mud Resistivity = 17.06 Ohms. Drilling Water Resistivity - 19.59 Ohms. Approx Water Level = 9 Mtr.

	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
90°	0 - 5	\$	Surface soil	
2	5 - 22	17	Clay kankar	The second secon
ì	22 - 31	9	Medium sand	Good
4.	31 - 42	11	Clay kanker	7702
- 8.	42 - 55*	13	Medium sand	Good
6.	55 - 72	17	Clay kankar	- COC
	72 - 82*	10	A distance of the second	Good
HORACO CONTRACTOR PROPERTY AND	82 - 88	6	Clay kankar	AND THE PARTY OF T
45	88 - 95*	T. St. St. St. St. St. St. St. St. St. St	Medium sand	Good
10	95 100	5	Clay kankar	CACAS
12:	100 - 107*	w)	Medium sand	Good
	107 - 121	- Millians Wassel Street.	Clay kankas	
beat beat	or grading or	Age	Clay kankas	
and bearing	alabad son	5	Clay kankas	



QA Testing Laboratories Pvt. Ltd.

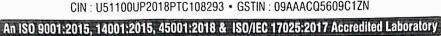
(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Tel.: +91-120-4133953 • Mobile: +91-8287945370 • E-mail: admin@qatestinglaboratories.com

Website: www.gatestinglaboratories.com

CIN: U51100UP2018PTC108293 • GSTIN: 09AAACQ5609C1ZN



TEST CERTIFICATE

(This Certificate is not Valid without Hologram)

Test Report No

: QAL/WT/22090100776

Sample Name

: Borewell Water

Issued To

Sample Code

: PNC INFRATECH LIMITED

KM-15 (LHS) Etah-Kasganj Road. Village Ramai Hetam

Shah Etah Uttar Pradesh-207125

Sample Submitted By : PNC INFRATECH LIMITED

Mfa By

: NA

Sample Description

: Physical & chemical Analysis of water sample CP Sarsawan (P63) Block-Amanpur (B1) District Issue Date

: 07/09/2022

Sample Received On: 01/09/2022

: PNC/JJM/KSG/2020-21/0421

Reference No

: 01/09/2022

IAS-ANZ

M54009131N

Sampling Date Sampling Quantity

: 2 Ltr

Batch No./Lot No. : NA

: NS

Date of Mfg.

Date of Exp.

; NS

Date of Starting Date of Completion : 01/09/2022

: 07/09/2022

ocation : GP-Sarsav		Units		Specification as p	Test Method	
				Acceptable Limit	Permissible Limit	
		NTU	0.5	1 max.	5 max.	IS: 3025(P-10)
1	Turbidity	++	7.57	6.5-8.5	No relaxation	IS: 3025 (P-11)
2	pH value at 25°C		196	200 max	600 max.	IS: 3025 (P-21)
3	Total Hardness as CaCO3	mg/l		1 max	_	IS: 3025 (P-53)
4	Iron (as Fe)	mg/l	0.014		1000 max.	IS: 3025 (P-32)
5	Chloride (as CI)	mg/l	14.0	250 max.	400 max.	IS: 3025 (P-24)
6	Sulphates (as SO4)	mg/l	8.64	200 max.		IS 3025 (P-23)
7	Total Alkalinity (as CaCO3)	mg/l	32	200 max.	600 max.	
8	Fluoride (as F)	mg/l	0.019	1 max.	1.5 max.	IS: 3025 (P-60)
9	Total Dissolved Solid (TDS)	mg/l	316	500 max	2000 max	IS 3025 (P-16)
10	Nitrate (as NO3)	mg/l	0.33	45 Max	No Relaxation	IS 3025 (P-34)
11	Copper (as Cu)	mg/I	ND	0.05 Max	1.5 MAx	IS: 3025 (P-42)
12	Manganese (as Mn)	mg/l	0.014	0.1 Max	0.3 Max	IS: 3025 (P-59)
		mg/l	ND	0.003 Max	No Relaxation	IS: 3025 (P-41)
13	Cadmium (as Cd)		ND	0.01 Max	0.05 Max	IS: 3025 (P-37)
14	Total Arsenic (as As)	mg/l		0.01 Max	No Relaxation	IS: 3025 (P-47)
15	Lead (as Pb)	mg/l	ND		15 Max	IS: 3025 (P-49)
16	Zinc (as Zn)	mg/l	0.026	5 Max		IS: 3025 (P-57)
17	Boron (as B)	mg/l	0.012	0.5 Max	1.0 Max	
18	Nickel (as Ni)	mg/l	ND	0.02 Max	No Relaxation	IS: 3025 (P-54)

SAMPLE COLLECTED BY US

End of Report

By (Sign & Stamp):

Quality Manager Approved By (Sign & Stamp):

Note: a) This report is not reproduced wholly or in partially and forbidden to be used as an evidence in the court of law and ought not be used in any advertisement media without our special permission in writing. b) The data reported in this TEST CERTIFICATE are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to those items of product, which have been tested, and do not apply to the other products even though declared to be identical. c) Except by special arrangement, the test Items will not be retained by the company not more more than one month. d) Report refers to the sample received by M/s QA Testing Laboratories Pvt. Ltd. e) This report is valid for the tested sample only.

Page: 1 of 2



Test Report No

QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Tel.: +91-120-4133953 • Mobile: +91-8287945370 • E-mail: admin@qatestinglaboratories.com

Website: www.gatestinglaboratories.com

CIN: U51100UP2018PTC108293 • GSTIN: 09AAACQ5609C1ZN

An ISO 9001:2015, 14001:2015, 45001:2018 & ISO/IEC 17025:2017 Accredited Laboratory

TEST CERTIFICATE

(This Certificate is not Valid without Hologram)

: QAL/WT/22090100776

Issue Date

: 07/09/2022

Sample Received On: 01/09/2022

: Borewell Water Sample Name Test Method Specification as per IS:10500:2012 Results Units S.No. Test Parameter Acceptable Limit Permissible Limit IS: 3025 (P-52) 0.05 Max No Relaxation 0.004 Total Chromium (as Cr) mg/l

Note ND = Not Detected

SAMPLE COLLECTED BY US

End of Report

Authorized By (Sign & Stamp):

Approved By (Sign & Stamp):

Note: a) This report is not reproduced wholly or in partially and forbidden to be used as an evidence in the court of law and ought not be used in any advertisement media without our special permission in writing. b) The data reported in this TEST CERTIFICATE are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to those items of product which have been tested and do not apply to the other products even though declared to be identical. c) Except by special arrangement, the test items will not be retained by the company not more more than one month. d) Report refers to the sample received by M/s QA Testing Laboratories Pvt. Ltd. e) This report is valid for the tested sample only

Format No. QA/TC/002

Page: 2 of 2



M54009131N

TEST REPORT OF TUBEWELL DEVELOPMENT BY AIR COMPRESSOR



State Water & Sanitation Mission
NAMAMI GANGE AND RURAL WATER SUPPLY DEPARTMENT

Depth of Tu	ibewell: 112.20 Mtr	Name of Gram Panchayat : Sa	ırsawan				100	1.00		Government of Uttar Pradesh
SI. No.	Depth of Airline(Mt.)	Static Water Level:- 4.20 mtr	11-18-150		777	-	Before Dev	elopment:-10	08.90 mtr	
	(*:4)	Discharge in LPM.			Sand Cont	ents in PPM	After Devel	opment:- 11	1.50 mtr	
1	90		Start	5 Min	10 Min	15 Min	20 Min	05111	13.	Remarks
2	69	3 B	2500	2350	2100	1900		25 Min	30 Min	Kemarks
3	09	470	2450	2200			1700	1550	950	
	51		2300		1900	1600	1450	1100	900	
D		of a second days are	2300	2150	1800	1650	900	650	400	
Recommende	ed discharg 470 LPM								400	

Date of Test: 05.08.2022		S.W.L 4.20 mtr.	ST REP	ORT OF	TUREW	VELL DI	/ O.D. ***			
Depth of Tubewell: 112.20	Before Deve	S.W.L 4.20 mtr. elopment:- 111.50r	nte.		LOBEV	FELL B	<u>O.P. UI</u>	NIT		
Discharge in LPM.	R.W.L. in Mtrs.	Depression in Mts.	Starting		After Devel SAND	lopment:- 111 CONTENT	I.30 mtr IN PPM	103		
940	6.05	1.85	200	5 Min 150	10 Min	15 Min	20 Min	25 Min	30 Min	Remarks
705	5.75	1.55	100	50	100 Tr	50	Tr	Tr	Tr	Recommened discharge 470
Recommended discharge 470 L pu	5.30	1.10	50	Tr	CL	Tr Cl	Tr	Cl	Cl	LPM at 1.10 M depression Pump should be
Recommended discharge 470 LPI	M at 1.10 Mtr de	epression				CI	CI	Cl	Cl	run 10 minutes in bypass before injecting in rising main

WATER TEST RESULTS

L. NO.	PARAMETERS	UNIT	Requirement (Acceptable Limit)		-
I	Calcium (as Ca)		10500	er IS Maximum Permissible Limit (in absence	DECLUM
2	Chloride (as Cl)	mg/L	75	of alternate source) as per IS 10500	RESULT
3	Colour	mg/L	250	1000	
4	Fluoride (as F)	Hazen Unit	5.0	15	14
5	Iron (as Fe)	mg/L	1.0		2 11
6		mg/L		1.5	0.019
7	Magnesium (as Mg)	mg/L	30	No Relaxation	0.014
	Nitrate (as NO ₃)	mg/L	45	100	
8	Odour	NA		No Relaxation	0.33
9	pН	NA NA	Agreeable	Agreeable	0.55
10	Sulphate (as SO ₄)		6.5 to 8.5	No Relaxation	7.60
11	Taste	mg/L	200	400	7.57
12	Total dissolved Solids (TDS)	NA	Agreeable	Agreeable	8.64
1.3	Total Alkalinity (as CaCO ₃)	mg/L	500	2000	
14	Total Arsenic (as As)	mg/L	200	600	316
15	Total Hardness (as CaCO3)	mg/L	0.01	- AAA YA	32
16	Turbidity	mg/L	200	No Relaxation	ND
7	The second secon	NTU	1	600	196
	Total Coliform Becteria	MPN/ 100 s	Chell	5	0.5
8	E. Coli	mL mL	shall not be detectable in any 100 mL sample	Shall not be detectable in any 100 mL sample	

Umem kin

Executive Engineer
Division Office (E/M)
U.P. Jal Nigam (Rural) Agra