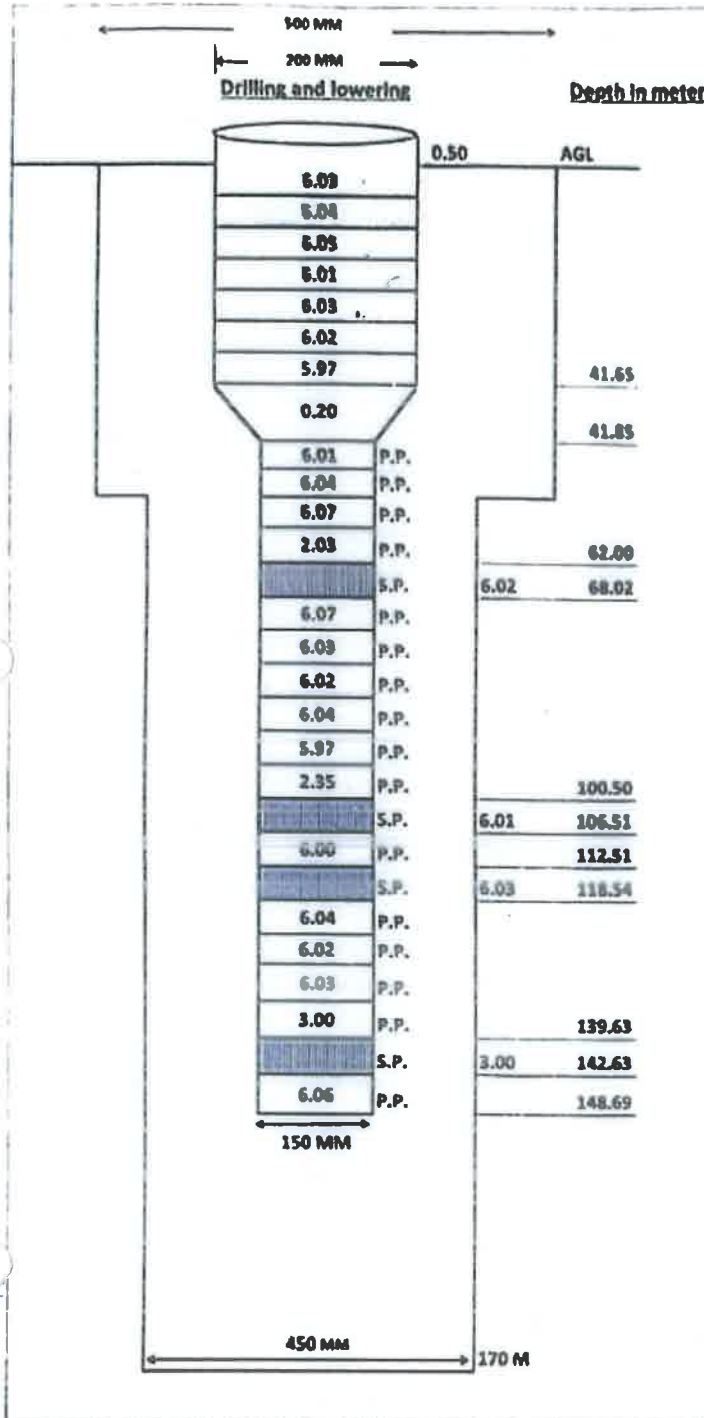


STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL



NAME OF SCHEME :- SADARAPUR
NAME OF SITE :- SADARAPUR
NAME OF COMPANY :- PNC-SPML JV

BLOCK :- FATEHPUR
DISTRICT :- BARABANKI



1	BORE SIZE	•	500*450 MM
2	ASSEMBLY SIZE	•	200*150 MM
3	DRAWING DEPTH	•	170 MTR
4	LOGGING DEPTH	•	149 MTR
5	DATE OF LOGGING	•	02.02.2023
6	DATE OF LOWERING	•	07.02.2023
7	REQUIRED DISCHARGE	•	450 LPM

LOGGING REPORT

S. NO.	DEPTH RANGE (M/mg)	Thickness (M)	Remarks (Quality of formation Water)
1	15-21	6	0000
2	24-34	10	0000
3	41-48	7	0000
4	52-55	3	0000
5	60-70	10	0000
6	75-80	4	0000
7	100-107	7	0000
8	110-128	18	0000
9	139-145	6	0000
10	152-156	4	0000

S. NO.	DESCRIPTION	REMARKS
1	Total 200 mm plain pipe	42.15
2	Total 150 mm plain pipe	85.78
3	Total 150 mm slotted pipe	21.86
4	Reducer 200mm X 150 mm	0.20
5	Total Assembly lower	149.19
6	AGL	0.50
7	BGL	148.69



Handwritten signature

Handwritten signature

Handwritten signature

PREPARED BY

CHECKED BY

RECOMMENDED BY

APPROVED BY

PNC SPML - JV

JR. ENGINEER

ASS. ENGINEER

EXECUTIVE ENGINEER

PROPOSED ASSEMBLY CHART OF W/S Scheme - SADARAPUR

Block - Fatehpur, Dist. - Barabanki

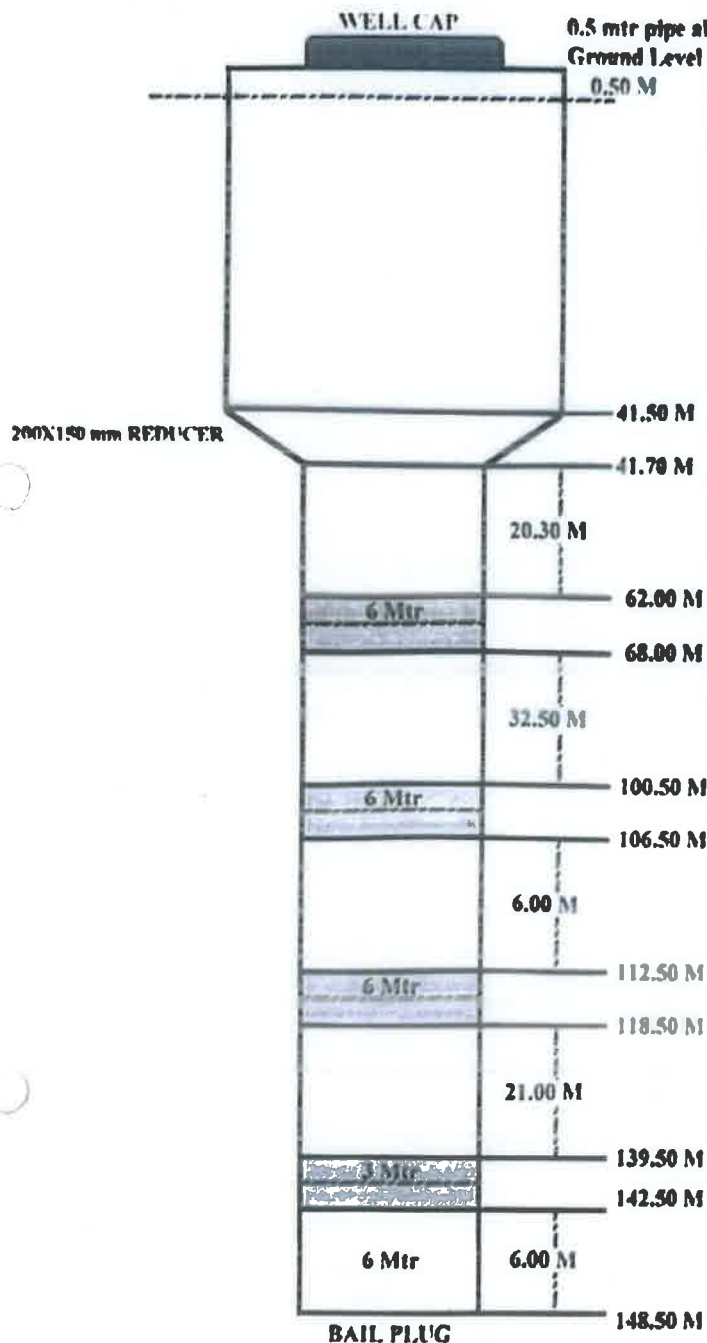
Discharge - 460 LPM

Motor HP - 10 HP

Assembly Size - 200*150 ϕ

Bore - 500*450 mm ϕ

Logging Report : 02.02.2023



STRATA CHART

Depth in Mtr	Thickness in MTR	Type of Strata
15-21	6	GOOD
24-34	10	GOOD
41-48	7	GOOD
52-55	3	GOOD
60-70	10	GOOD
76-80	4	GOOD
100-107	7	GOOD
110-128	18	GOOD
139-145	6	GOOD
152-158	6	GOOD



PNC-SPML-JV

[Signature]

JUNIOR ENGINEER

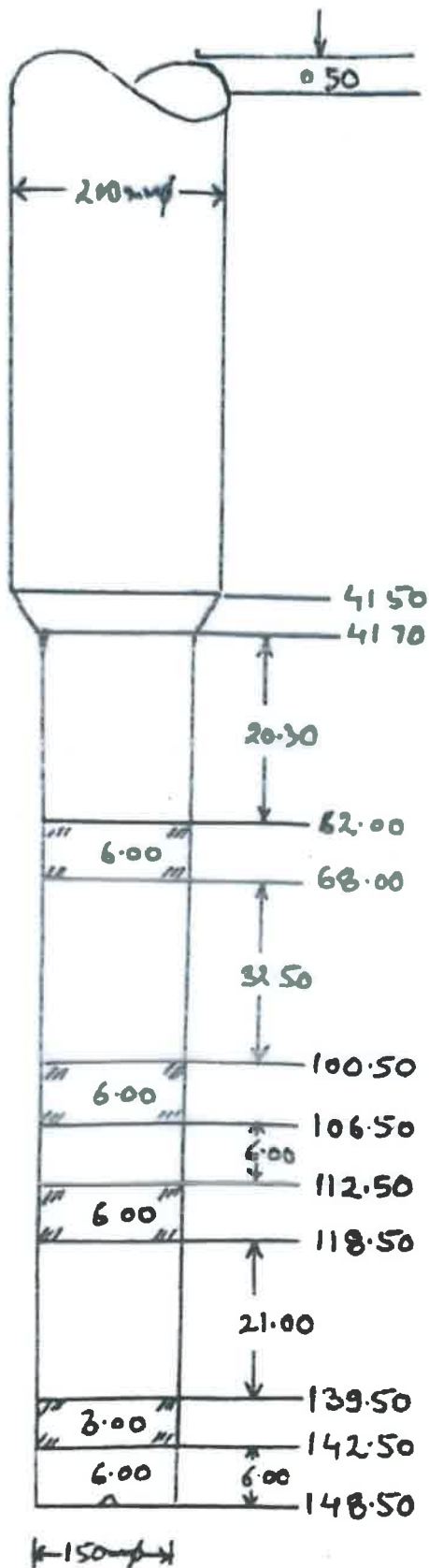
[Signature]

ASSISTANT ENGINEER

[Signature]

EXECUTIVE ENGINEER

Proposed TW Assembly chart of sack pump w/s chrome block fatiguer
DISH Barabanki



1. Discharge = 460 L/min
2. Motor HP = 10 HP
3. Assembly size = 200 x 150 mm
4. Base ϕ = 500 x 450 mm
5. Logging Report dt. 2-2-23

- 1-15-21 = 06
- 2-24-31 = 10
- 3-41-48 = 07
- 4-52-55 = 03
- 5-60-70 = 10 - 6
- 6-76-80 = 04 - 8
- 7-100-107 = 07 - 6
- 8-110-128 = 18 - 6
- 9-139-145 = 06 - 3
- 10-152-158 = 06

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:22-23:LS:1K-400

Dated: 04-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sadrapur**
Block: **Fatehpur**
District: **Barabanki**
State: **Uttar Pradesh**
Date of Logging: **02-02-2023**
Drilling Depth: **170.0 m bgl**
Logging Depth: **180.0 m bgl**
Rm - **14.0 Ω m** Rw - **22.0 Ω m**

Borehole Drilled by: M/s PNC Infratech Pvt. Ltd., Barabanki, U. P.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Lateral 6"** geophysical logs following informations/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	15 - 21	06	Good
2.	24 - 34	10	Good
3.	41 - 48	07	Good
4.	52 - 55	03	Good
5.	60 - 70	10	Good
6.	76 - 80	04	Good
7.	100 - 107	07	Good
8.	110 - 128	18	Good
9.	139 - 145	06	Good
10.	152 - 158	06	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

2. Zone Sl. No. 7 & 10 are highly intermixed with fine bands of kankar.

Verified as per logs provided.
Note - Sr No 3-42-47 (5m)
Sr No 8-110-127 (7m)
Sr No 9-140-145 (5m)

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

G. Sh
06/02/23

Development details by Air Compressor

Project : Implementation of various rural water supply projects in the state of Uttar Pradesh under the Jal Jeevan Mission.

Client : M/s. State Water and Sanitation Mission (SWSM), Uttar Pradesh

Contractor : M/s. PNC-SPML-JV

Panchayat Code: PNC-JIM_LIP

Site of Tubewell

200 mm x 150 mm

Depth of Tubewell

148.69 MTR

Development of Tubewell

Through Air Compressor

Capacity of compressor

250 PS

Date

13.01.2023

Starting

20.02.2023

Ending

Development of tube well by AIR COMPRESSOR at Gram Panchayat: BARABANKI, Block: FATEHPUR DIAT, BARABANKI

Sl. NO	Date	Time of Start (Hours:Minutes:Seconds)	Time of Stop (Hours:Minutes:Seconds)	Hours (Hours:Minutes:Seconds)	Total Hours (Hours:Minutes:Seconds)	Remark
1	15.02.2023	09:50:00 AM	12:20:00 PM	02:30:00	2:30:00	
2		12:40:00 PM	05:10:00 PM	04:30:00	7:00:00	
3	16.02.2023	08:20:00 AM	01:50:00 PM	05:30:00	12:30:00	
4		01:40:00 PM	05:10:00 PM	03:30:00	16:00:00	
5	17.02.2023	07:30:00 AM	12:00:00 PM	04:30:00	20:30:00	
6		03:10:00 PM	07:30:00 PM	04:20:00	24:50:00	
7	18.02.2023	08:30:00 AM	12:20:00 PM	03:50:00	28:40:00	
8		12:30:00 PM	04:40:00 PM	04:10:00	32:50:00	
9	19.02.2023	08:20:00 AM	10:30:00 AM	02:10:00	35:00:00	
10		02:20:00 PM	04:30:00 PM	02:10:00	37:10:00	
11	20.02.2023	09:20:00 AM	10:30:00 AM	01:10:00	38:20:00	
12		04:20:00 PM	05:20:00 PM	01:00:00	39:20:00	
Say:					39:20 hrs	

REMARK:



TP/A

Junior Engineer
UPIN E&M

Assistant Engineer
UPIN E&M

Test Report of Development tube well By Air Compressor

Name of Project Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of various Rural Water Supply Projects in the State of Uttar Pradesh for Division- Barabanki

Client M/S State Water and Sanitation Mission (SWSM) Uttar Pradesh

TPI Fichtner India Consulting Pvt. Ltd.

Contractor M/S PNC-SPML (JV)

Name of Block :- **Fatehpur**

Air Compressor PSI :- **250 PSI**

Name of Gram Panchayat :- **Sadrapur**

Sounding of tubewell before development:- **148.50 mtr.**

Date of Start :- **15.02.2023**

Sounding of tubewell after development:- **148.00 mtr.**

Date of Testing:- **20.02.2023**

Size of tubewell assembly:- **200x150 mm**

Static Water Level:- **3.15 mtr**

Lowered air line:- **148.50 mtr.**

Sl. No.	Air line lowered in (meter's)	Strating Pressure (Kg/cm ²)	Running pressure (kg./cm ²)	Depression		Discharge by V-Notch (90°)		Sand Contents in PPM				Remark	
				in kg./cm ²	In meter's	In Inch	LPM	Starting	After 5 min.	After 10 min.	After 15 min.		After 20 min.
1-	139	13.50	12.50	0.50	5.00	8.3	1984	6000	3000	1500	750	400	



PNC Infratech Limited

R.R. P.
Fichtner India Consulting

[Signature]
Senior Engineer
Division (E&M)
U.P. Jal Nigam

[Signature]
Assistant Engineer
Division (E&M)
U.P. Jal Nigam

[Signature]
Executive Engineer
Division (E&M)
U.P. Jal Nigam

15

Development details by OP unit

Project: Implementation of various rural water supply projects in the state of Uttar Pradesh under the Jal Jeevan Mission.
Client: M/s. State Water and Sanitation Mission (SWSM), Uttar Pradesh

Contractor: M/s. PNC-SPML-JV

Panchayat Code: PNC_JM_UP

Size of Tubewell: 200 mm x 150 mm

Depth of Tubewell: 133.07 MTR

Development of Tubewell: Through 1 case OP UNIT

Site of Office: 100 mm x 75 mm

Water Level: 9.10 MTR

Taste of Water: Sweet

Date: 24.02.2023

Starting: 12.01.2023

Ending: 12.01.2023

Development of tube well by OP UNIT at Gram Panchayat: SHAMAPUR, BLOCK: MITHPUR, DIST: BARABANKI

Sl. NO	Date	Time of Start (Hours:Minutes:Seconds)	Time of Stop (Hours:Minutes:Seconds)	Hours (Hours:Minutes:Seconds)	Total Hours (Hours:Minutes:Seconds)
1	24.02.2023	11:40:00 AM	05:10:00 PM	05:30:00	5:30:00
2	25.02.2023	10:10:00 AM	12:00:00 PM	01:50:00	7:20:00
3		01:30:00 PM	09:25:00 PM	07:55:00	15:15:00
4	26.02.2023	05:50:00 AM	12:10:00 PM	06:20:00	21:35:00
5		01:30:00 PM	06:50:00 PM	05:20:00	26:55:00
6	27.02.2023	05:40:00 AM	12:30:00 PM	06:50:00	33:45:00
7		01:30:00 PM	10:10:00 PM	08:40:00	42:25:00
8		05:20:00 AM	11:10:00 AM	05:50:00	48:15:00
9	1.03.2023	11:20:00 AM	01:10:00 PM	01:50:00	50:05:00
10		01:20:00 PM	10:20:00 PM	09:00:00	59:05:00
11		04:50:00 AM	11:00:00 AM	06:10:00	65:15:00
12	02.03.2023	11:10:00 AM	01:00:00 PM	01:50:00	67:25:00
13		01:10:00 PM	02:55:00 PM	01:45:00	69:10:00
14		04:30:00 PM	08:00:00 PM	03:30:00	72:40:00
15		07:40:00 AM	09:30:00 AM	01:50:00	74:30:00
16	11.03.2023	09:40:00 AM	11:30:00 AM	01:50:00	76:20:00
17		11:40:00 AM	12:50:00 PM	01:10:00	77:30:00
18	12.03.2023	03:10:00 PM	04:30:00 PM	01:20:00	78:50:00
Say:					78:50 hrs

REMARKS:



M/S PNC-SPML-JV

TPIA

Junior Engineer
UPIN E&M

Assistant Engineer
UPIN E&M

Under Jal Jeevan Mission

Name of Project :- Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of various Rural Water Supply Projects in the State of Uttar Pradesh for Division- Barabanki

Client :- M/S State Water and Sanitation Mission (SWSM) Uttar Pradesh

TPI :- Fichtner India Consulting Pvt. Ltd.

Contractor :- M/S PNC-SPML (JV)

Yield Test Report

Name of Block :- **Fatehpur** Orifice Size :- **6x4"**

Name of Scheme :- **Sadrapur** Depth of Tubewell :- **142.50 mtr.**

Date of Testing:- **12.03.2023** Column Pipe Size :- **100 mm**

Size of Assembly :- **200x150 mm** Coulmn Pipe lowered :- **24.00 mtr.**

Sl. No.	Discharge measured by orifice		S.W.L. in meter	R.W.L. in meter	Depression in meter	Sand Contents in PPM				Remark
	In Inch	LPM				Starting	After 5 min.	After 10 min.	After 15 min.	After 20 min.
1	12"	852.11	4.21	6.35	2.14	100	50	tr.	cl.	cl.
2	7"	651.42	4.21	5.24	1.03	50	cl.	cl.	cl.	cl.
3	5"	549.83	4.21	5.00	0.79	cl.	cl.	cl.	cl.	cl.

Note:- Recommended discharge 460 LPM, Pump should be run atleast 10 minute in by-pass from starting, then after taken in line.



R.O.P. TPI
Fichtner India Consulting

Junior Engineer
Division (E&M)
U.P. Jal Nigam

Assistant Engineer
Division (E&M)
U.P. Jal Nigam

Executive Engineer
Division (E&M)
U.P. Jal Nigam