

CONSTRUCTION DIVISION (E/M) U.P. JAL NIGAM, GORAKHPUR

COMPLETION PLAN OF SAHJANNA BABU (TURNKEY)

DISTRICT MAHARAJGANJ

TYPE OF RIG M/C R.C. 600/27

SIZE OF BORE 675/550 mm Ø

STATIC WATER LEVEL 4.70 M NAME OF FIRM M/S. DELCO

J.E. Incharge R. KUMAR

A.E. Incharge VINOD KUMAR

DEPTH B.G.L. METER	BORING CHART	STRATA	EXECUTED ASSEMBLY	ASSEMBLY DETAILS
0M			A.S.L. 50M	
3.00		CLAY		300 m.m. Dia Housing Pipe to 35.75 m
14.00		SANDY CLAY		200/200 m.m. Dia Reducer 35.75 to 35.95 m
21.00		F.SAND		200 m.m. Dia BLIND Pipe 35.95 to 61.50 m
26.00		CLAY		200 m.m. Dia SLOTTED Pipe 61.50 to 67.50 m
		V.F. SAND		200 m.m. Dia BLIND Pipe 67.50 to 81.50 m
41.00			35.75	200 m.m. Dia SLOTTED Pipe 81.50 to 84.50 m
43.00		CLAY	35.75	200 m.m. Dia BLIND Pipe 84.50 to 96.50 m
50.00		F.T.M. SAND		200 m.m. Dia SLOTTED Pipe 96.50 to 114.56 m
53.00		CLAY		200 m.m. Dia BLIND Pipe 114.56 to 120.54 m
56.00		F.SAND		
59.00		CLAY		
69.00		F.T.M. SAND	61.50	m.m. Dia Pipe to m
73.00		CLAY	67.50	m.m. Dia Pipe to m
78.00		F.S. WITH KANKAR		m.m. Dia Pipe to m
80.00		CLAY	81.50	
86.00		F.SAND	84.50	
88.00		CLAY		
93.00		F.S. WITH KANKAR		
95.00		CLAY		
		M.SAND	96.50	
115.00			114.56	
125.00		CLAY	120.54	
132.00		F.SAND	BAIL PLUG	
136.00		CLAY		
139.00		V.F. SAND		

Total Assembly 120.54 + 46.10 = 121.04 m

ABSTRACT

- 1- Drilling Started
- 2- Drilling Completed/Lowering 1.02.020
- 3- Drilling Depth 139.00 m
- 4- Assembly Lowered 121.04 m
- 5- Housing Pipe 36.25 m
- 6- Blind Pipe 57.53 m
- 7- Slotted Pipe 27.06 m
- 8- Reducer 0.20 m

LOGGING REPORT

1. 16-20 = 4m. 9. 96-115 = 19m.
2. 28-40 = 12m. 10. 124-131 = 7m.
3. 45-49 = 4m. 11. 135-139 = 4m.
4. 52-55 = 3m.
5. 60-68 = 8m.
6. 72-79 = 7m.
7. 81-85 = 4m.
8. 87-93 = 6m.

RK

(R. KUMAR)

J.E.

(VINOD KUMAR) (ADARSH VERMA)

A.E.

E.E.

YIELD TEST REPORT BY 250 P.S.I. COMPRESSOR

Date of Test 21.3.020

Static W/L 5.50 Taste of Water SWEET

DISCHARGE		ST.PR.	RU.PR.	DEPRE.		SAND CONTENTS						REMARKS
INC.	LP.M.	Kg/Cm ²	Kg/Cm ²	Kg.	Mtr.	Start	5 min	10 min	15 min	20 min	25 min	
8.50	183	6.50	6.05	0.45	4.50	4000	2600	2000	1600	1200		
9.00	2107	8.70	8.20	0.50	5.00	4200	3000	2400	1800	1400		
9.50	2406	11.05	10.56	0.55	5.50	4500	3200	2600	2000	1800		
NOTE:- RECOMMENDED FOR WATER												

NOTE:- RECOMMENDED FOR FURTHER DEVELOPMENT BY O.P. UNIT.

RK

(R. KUMAR)

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(VINOD KUMAR)

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(ADARSH VERMA)

E.E.

YIELD TEST REPORT BY O.P. UNIT

Date of Test 15.7.020 Static W/L 6.80 Taste of Water SWEET

DISCH.	R.W.L.	S.W.L.	DEPRE	SAND CONTENTS						REM-ARKS
LPM	M	M	M	Start	5 min	10 min	15 min	20 min	25 min	
2301	11.60	6.10	5.50	500	400	300	250	200		
1983	11.00	6.10	4.90	300	200	150	100	50		
1696	10.80	6.10	4.70	150	50	50	TR.	CL.		
1323	10.30	6.10	4.20	50	TR.	CL.	CL.	CL.		

RECOMMENDED DISCHARGE 1300 LPM AFT. 1.0 PIN RUNNING BY PASS

RK

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(ADARSH VERMA)

E.E.

CHEMICAL TEST REPORT OF WATER SAMPLE

Tested Parameters	Unit of measurement	BIS:10500: 2012 Desirable Limit	BIS:10500: 2012 Permissible Limit	Test Method	Result
गंध		Agreeable	Agreeable	IS:3025 (Part 5)	Agreeable
आयरन	ppm	1.0	1.0	IS:3025 (Part 53)	0.06
नाइट्रेट	ppm	45	45	IS:3025 (Part 34)	0.443
आर्सेनिक	ppm	0.01	0.01	IS:3025 (Part 37)	0
फ्लोराईड	ppm	1	2	IS:3025 (Part 60)	0.60
क्लोराईड	ppm	250	1000	IS:3025 (Part 32)	70
टी0डी0एस0	ppm	500	2000	IS:3025 (Part 16)	194
एल्कनिटी	ppm	200	600	IS:3025 (Part 23)	110
अवशेष क्लोरीन	ppm	0.20	1.00	IS:3025 (Part 26)	0
सल्फेट	ppm	200	400	IS:3025 (Part 24)	9.6
पी.एच0	ppm	6.5-8.5	6.5-8.5	IS:3025 (Part 11)	7.1
गंदापन	NTU	1	5	IS:3025 (Part 10)	1.74
महत्वपूर्ण कठोरता	ppm	200	600	IS:3025 (Part 21)	160

J.E

A.E.

Executive Engineer