Viddut Kumar Jain Bhawan Indira Nagar Lucknow.

ed Tube well Assembly Chart cum strata Chart For Mahpur water supply scheme, Block- Muhammadabad Gohana, District- Mau. (Under Programme- J.J.M.)

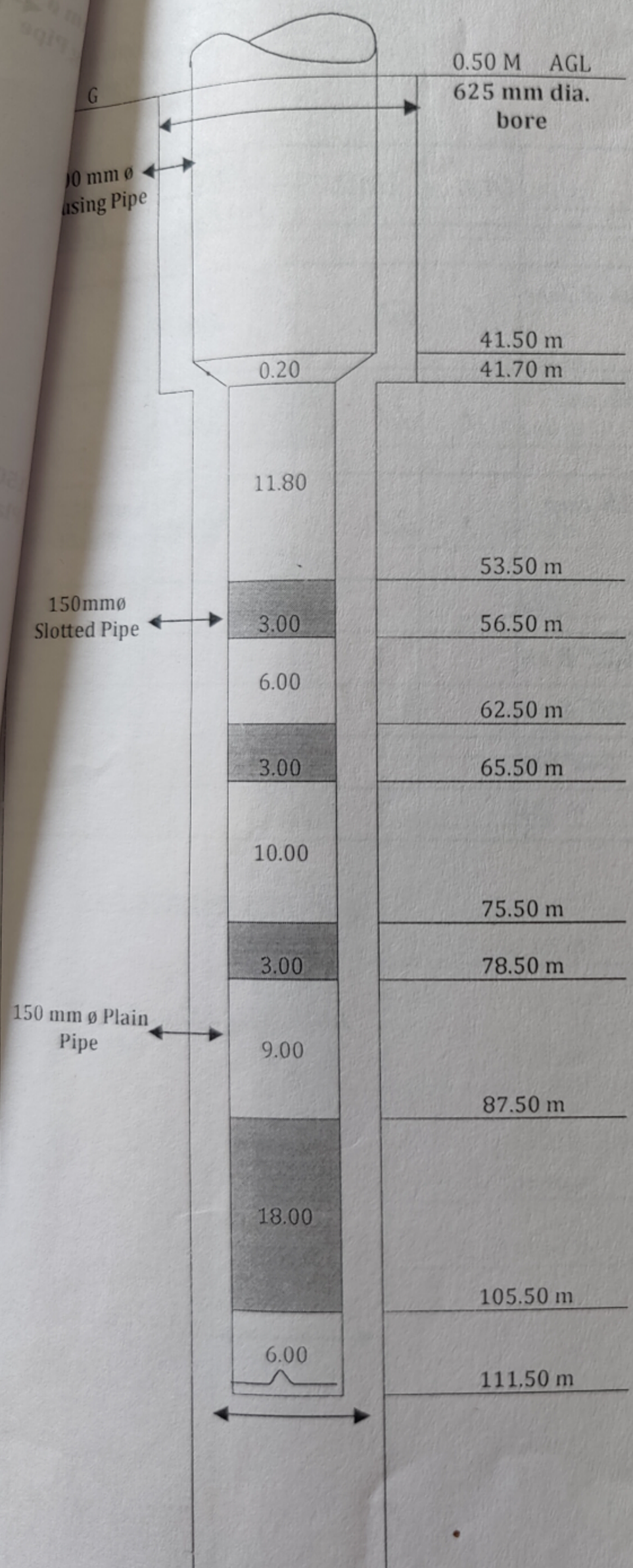
of Client :- Executive Engineer Temp. Construction Division (E/M), U.P. Jal Nigam Mau.

ell Site :- Mahpur T.W. **Size of T.W. assy.** - 300mm x 150 mm dia.

ed Discharge of Tubewell ;- 1100 LPM

(Not to Scale)

Detail of Strata



AGL + BGL
0.5 + 111.50 = 112.00 m

Detail of Lowering

1	Drilling depth	200 m
2	Total housing pipe 300 mm dia	42.00 m
3	Total Plain pipe 150 mm dia	154.80 m
4	Total Slotted pipe 150mm dia	27.00 m
5	Size of assembly lowering	300mmø x150 mmø
6	M.S. Reducer 300mmø x150 mmø	0.20 m
7	BGL.	111.50 m
8	Total Length of assembly	112.00 m

Detail of Physical Strata encountered during drilling

From (m)	To (m)	Thick (m)	Description of the Strata
0.00	18.00	18.00	Sandy Clay
18.00	36.00	18.00	M. Sand
36.00	52.00	16.00	Fine Sand with Kankar
52.00	80.00	28.00	M. Sand with Kankar
80.00	110.00	30.00	M. Sand
110.00	150.00	40.00	Kankar Clay
150.00	190.00	40.00	Fine Sand with Kankar
190.00	200.00	10.00	Clay

Logging Report

Date 28-11-2020

Sl.N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	22.0-37.0	15.0	Good, fine sand
2	53.0-57.0	4.0	Moderate, fine to very fine sand kanker intermixed
3	62.0-66.0	4.0	Moderate, fine to very fine sand kanker intermixed
4	75.0-79.0	4.0	Moderate, fine to very fine sand kanker intermixed
5	86.0-107.0	21.0	Good to Moderate

Note- Below 111.0 mbgl till depth logged quality of formation water is saline.

Proposed By

M/s Viddut Kumar Jain Lucknow
Contractor

M/S Viddut Kumar Jain Proprietor

Recommended By

(Sudhir Kumar)
J. E.

(P.C. Gupta)
Assistant Engineer

Approved

(J.K. Gupta)
Executive Engineer

GRAM :- JAL NIGAM Phone:- 0522 – 2220173, 2220272

UTTAR PRADESH JAL NIGAM

Ref :- _____ Dated :- _____

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Mahpur, Block Pardaha
2. District:- Mau
3. Dt. Of logging:-. 28.11.2020
4. Drilled depth(as reported):- 240.0 mbgl
5. Logged depth:- 226.0 mbgl
6. Logger no.:- AquaXplore, Lucknow
7. Concerned JE:- Er. S.P. Yadav, JE
8. Based on the geophysical log interpretation following granular zones may be deciphered, particularly with respect to salinity of the formation water.

Sl. No.	Zones (mbgl)	Thickness (mts.)	Remarks
1	22.0-37.0	15.0	Good, fine sand
2	53.0-57.0 53-5 - 56-5	4.0	Moderate, fine to very fine sand kanker intermixed
3	62.0-66.0 62-5 - 65-5	4.0	Moderate, fine to very fine sand kanker intermixed
4	75.0-79.0 75.5 - 78-5	4.0	Moderate, fine to very fine sand kanker intermixed
5	86.0-107.0 86.5 - 105.5	21.0	Good to Moderate

Below 111.0 mbgl till depth logged quality of formation water is saline.

(Dr. S.Sahai)
Manager (Groundwater)

c.c.

1. EE, TCD(E/M), UP Jal Nigam, Mau for information and necessary action..

M/s Vidur Kumar Jain
Proprietor

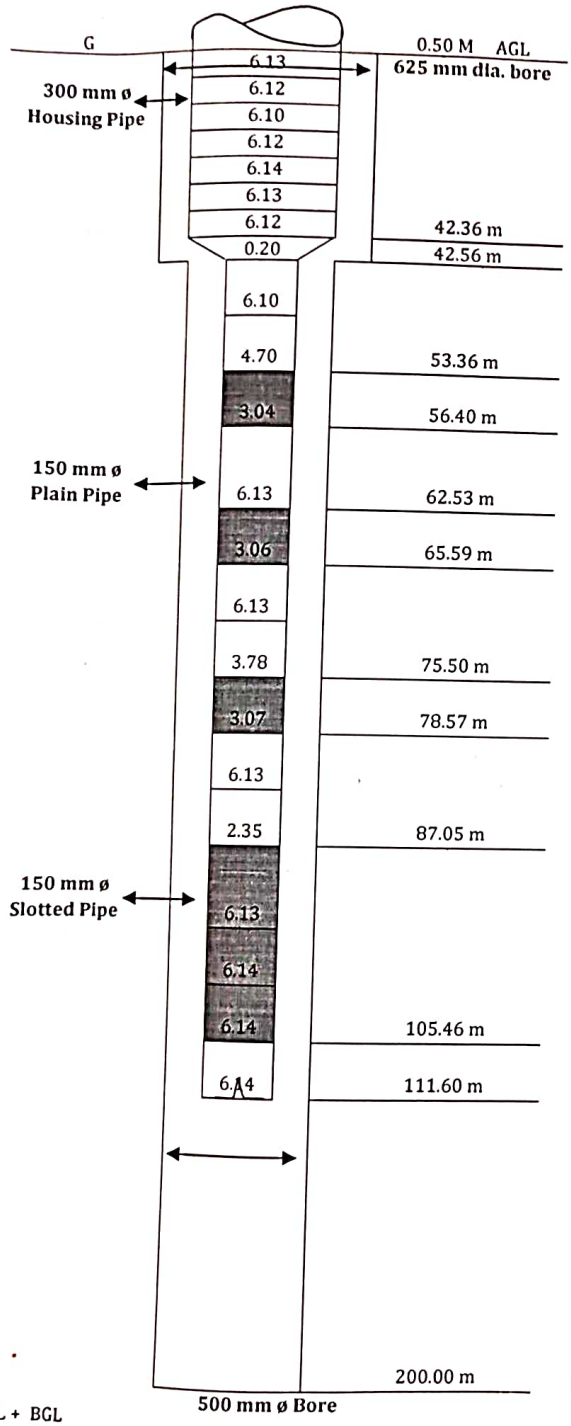
Manager (Groundwater)

OFFICE OF THE EXECUTIVE ENGINEER TEMP. CONST.DIV.(E&M) U.P. JAL NIGAM, MAU

Actual Completion Plan of Tube well Assembly Chart cum strata Chart For Mahpur water supply scheme, Block- Muhammadabad Gohana, District- Mau. (Under Programme- I.J.M.)

(Not to Scale)

Detail of Strata



AGL + BGL
0.50 + 111.60 = 112.10 mts.

Detail of Lowering

Date- 03-12-2020

1	Drilling depth	200 mts.
2	Drilling by contractor	D.C. Rig M/C
3	Total housing pipe dia 300 mm	42.86 mt.
4	300mmø x 150 mmø M.S. Reduser	0.20 mt
5	Total Plain pipe dia 150 mm	41.46 mt.
6	Total Slotted pipe dia 150 mm	27.58 mt.
7	Size of assembly lowered	300mmø x 150 mmø

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	18.00	18.00	Sandy Clay
18.00	36.00	18.00	M. Sand
36.00	52.00	16.00	Fine Sand with Kankar
52.00	80.00	28.00	M. Sand with Kankar
80.00	110.00	30.00	M. Sand
110.00	150.00	40.00	Kankar Clay
150.00	190.00	40.00	Fine Sand with Kankar
190.00	200.00	10.00	Clay

Logging Report

Date 28-11-2020

Sl. N.	Depth Range (mbgl)	Thicknees (m)	Remark
1	22.0-37.0	15.0	Good, fine sand
2	53.0-57.0	4.0	Moderate, fine to very fine sand kanker intermixed
3	62.0-66.0	4.0	Moderate, fine to very fine sand kanker intermixed
4	75.0-79.0	4.0	Moderate, fine to very fine sand kanker intermixed
5	86.0-107.0	21.0	Good to Moderate

Note- Below 111.0 mbgl till depth logged quality of formation water is saline.

TEST REPORT OF T.W. DEVOLOPMENT BY AIR COMPRESSOR

Discharge measured by 90° "V" Notch. Date of Test : - 24-12-2020

Sl. No.	Discharge		Air Pressure in Kg/cm²		Depression in		Starting Sand in P.P.M.	Sand contents in P.P.M. After				Remark
	In Inches	In L.P.M	Starting	Running	Kg/cm²	mts		5 Min	10 Min	15 Min	20 Min	
1	9½	2410	9.45	9.00	0.45	4.5	4600	3300	2200	1600	1400	

Note- Recommended for development of T/W by O.P. Unit.

YIELD TEST REPORT OF T.W BY O.P. UNIT

Discharge measured by orifice meter- 150mm. x125 mm. size.

Date of Test :- 21-01-2021

Sl. No.	Discharge		Water level in mts.		Depression in meters	Sand contents in P.P.M.					Remark
	In Inches	In L.P.M	Running	Static		Starting	After 5 Min	10 Min	15 Min	20 Min	
1	27	3000	7.85	4.00	3.85	200	150	100	50	20	
2	25	2770	7.50	4.00	3.50	150	100	50	Tr	Tr	
3	23	2650	6.95	4.00	2.95	100	50	Tr	Tr	Cl	
4	20	2457	6.00	4.00	2.00	50	Tr	Cl	Cl	Cl	

Recommended Discharge 1100 LPM after 10 min. in by pass.

M/S Viddut Kumar Jain Lucknow
Contractor

(Sudhir Kumar)
J. E.

(P.C. Gupta)
Assistant Engineer

(J.K. Gupta)
Executive Engineer