

JMC PROJECTS (INDIA) LIMITED

DEPTH OF STRATA

PROPOSED ASSEMBLY DETAILS

GP - Mangalpur
Block - Partawan.

DPR DETAILS-

SL	Lowering Date-
1	Water Discharge in LPM- 550
2	Bore well Drilling- 143.00
3	Drilling Depth 500MM Dia- 143 600MM Dia-
4	Tube Well Assembly-
5	300MM Dia 200MM Dia 150MM Dia
6	36 m 76 Plain

1.- LOGGING REPORT 18 Screen

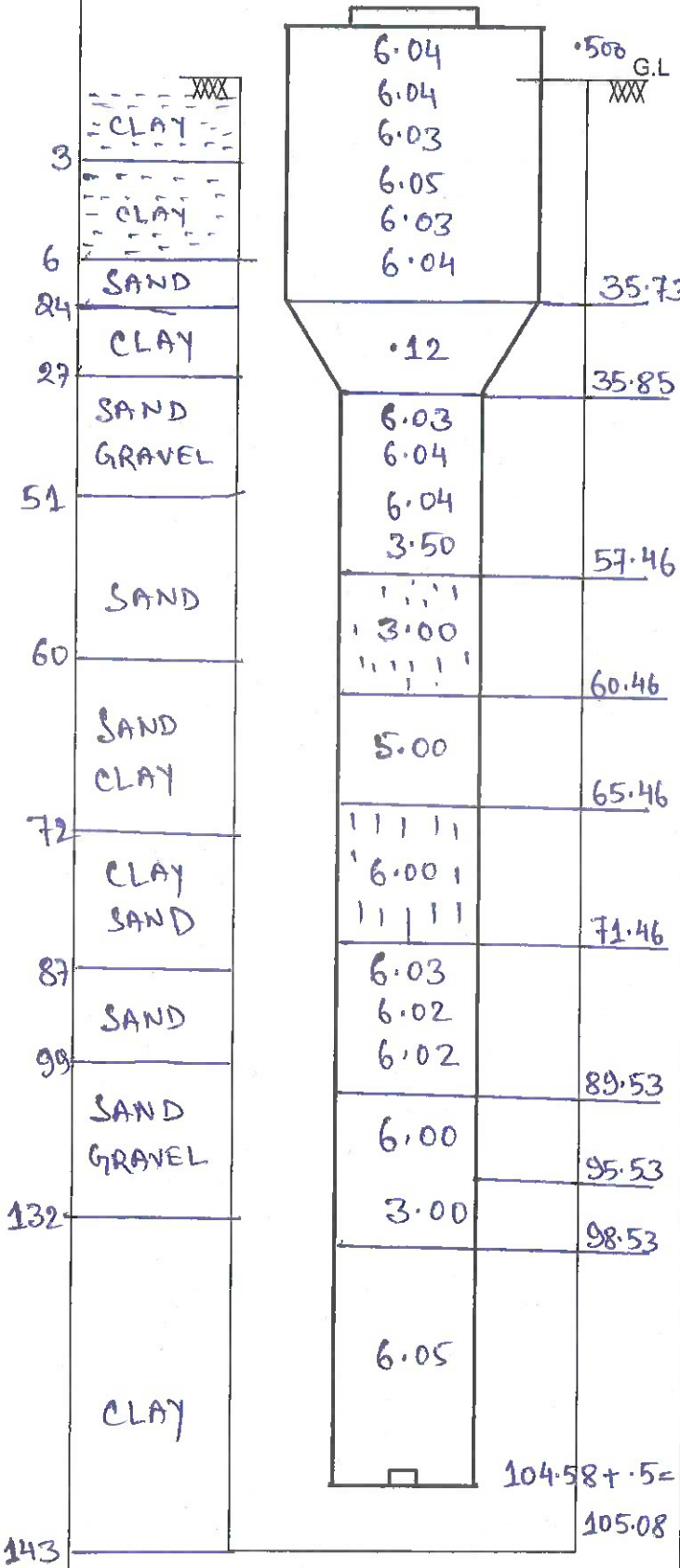
Depth Logged-	MBGL	Date of Logging-	Remarks
SL	Depth Range MBGL	Thickness in-Mtr.	
1	25-36	11	Sand
2	41-45	04	Medium Sand
3	48-51	03	Sand
4	57-61	04	fine Sand
5	65-72	07	Sand
6	87-99	12	Sand
7			
8			
9			
10			
11			

ASSEMBLY DETAILS

200	m.m Dia Housing Pipe A.G.L.	0.5	m
200	m.m Dia Housing Pipe	36.23	m
200	m.m Dia Reducer Pipe	35.73 to 35.85	m
150	m.m Dia Plain Pipe	35.85 to 57.46	m
150	m.m Dia MS Screen Pipe	57.46 to 60.46	m
150	m.m Dia Plain Pipe	60.46 to 65.46	m
150	m.m Dia Jonson Screen Pipe	65.46 to 71.46	m
150	m.m Dia Plain Pipe	71.46 to 89.53	m
150	m.m Dia Jonson Screen Pipe	89.53 to 95.53	m
150	m.m Dia MS Screen Pipe	95.53 to 98.53	m
150	m.m Dia Plain Pipe	98.53 to 104.58	m
	m.m Dia Pipe		m
	m.m Dia Pipe		m
TOTAL ASSEMBLY= 104.58 m + A.G.L.(m)= 105.08 m			

3.- Proposed Assembly for Lowering

(1)	300MM DIA MSERW PLAIN PIPE =	
(2)	200 MM DIA MSERW PLAIN PIPE =	36.23
(3)	150MM DIA MSERW PLAIN PIPE =	50.73
(4)	300/150 MM DIA REDUCER =	
(5)	200/150 MM DIA REDUCER =	0.120
(6)	150MM DIA MSERW SLOTTED PIPE =	18.0 (12.5 + 6)
(7)	300 MM DIA WELL CAP =	
(8)	200MM WELL CAP =	1 NO
(9)	150MM DIA CENTER GUIDE =	
(10)	GRAVEL PACKING =	35.98 m ³
(11)	600 MM DIA BORE DIGGING =	
(12)	500 MM DIA BORE DIGGING =	143
TOTAL ASSEMBLY =		105.08 M



JMC

Vivek Kumar
TPIA

MAL
JE UPJN

AFUPJN

EE UPJN

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS: 76

Dated: 24-04-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mangalpur**
Block: **Partawal**
District: **Mahrajganj**
State: **Uttar Pradesh**
Date of logging: **24-04-2022**
Drilling depth: **143.0 m bgl**
Logging Depth: **142.0 m bgl**
Rm – **37.0 Ω m** Rw – **40.0 Ω m**

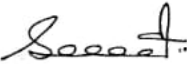
Borehole Drilled by: **M/s JMC India Limited, Mahrajganj, Uttar Pradesh.**

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:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Inferred lithology	Remarks (Quality of aquifer water)
1.	25 – 36	11	Sand intermixed with Kankar	Good
2.	41 – 45	04	Medium Sand inter mixed with Kankar	Good
3.	48 – 51	03	Sand	Good
4.	57 – 61	04	Fine Sand	Good
5.	65 – 72	07	Sand	Good
6.	87 – 99	12	Sand intermixed with Kankar	Good
7.	107 – 113	06	Sand	Good
8.	121 – 124	03	Fine Sand	Good

Verified as per logs provided.

For Geo Instruments & Technic's


(S. Shukla)

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