

DEPTH OF STRATA

G.P.-BLOCK-

RAMPURMEER

MITHAURA

0.00

6.00

33.00

42.00

60.00

73.00

80.00

86.00

98.00

102.00

106.00

114.00

Soil

K+F.Sand+Soil

M. Sand

K+F.Sand

M. Sand

K+F.Sand

M. Sand

F.sand

M.sand

F.Sand

M. Sand

K+F.Sand

6.02

6.03

6.02

6.01

6.02

6.01

0.20

6.02

6.04

6.02

6.01

3.00

6.02

3.00

6.01

6.01

2.50

6.01

6.01

6.01

6.02

6.01

0.50

0.50

36.11

0.20

27.09

62.90

71.91

80.93

83.93

14.52

98.45

101.45

107.46

113.48

119.49

0.50

119.99

G.L

132

135.00

DPR DETAILS

23-10-2023

SL

Lowering Date

23-10-2023

1

Water Discharge in LPM

500

2

Bore well Drilling

132

3

Borewell Size 500*500 mm Dia

132

4

Tube well Assembly Size-

120

5

300MM Dia

200MM Dia

150MM Dia

6

36

84

1- LOGGING REPORT

SL

Depth Logged- MBGL

Thickness in Mtr.

Remarks

1

34

-

42

8

GOOD

2

50

-

54

4

GOOD

3

60

-

72

12

GOOD

4

80

-

86

6

GOOD

5

98

-

102

4

GOOD

6

106

114

8

GOOD

7

8

9

2- ASSEMBLY DETAILS

200 MM DIA HOUSING PIPE A.G.L.

0.50

200 MM DIA HOUSING PIPE

36.11

200 MM DIA REDUCER PIPE

35.61

TO

35.81

150 MM DIA

PLAIN

PIPE

35.81

TO

62.90

150 MM DIA

SCREEN

PIPE

62.90

TO

71.91

150 MM DIA

PLAIN

PIPE

71.91

TO

80.93

150 MM DIA

SCREEN

PIPE

80.93

TO

83.93

150 MM DIA

PLAIN

PIPE

83.93

TO

98.45

150 MM DIA

SCREEN

PIPE

98.45

TO

101.45

150 MM DIA

PLAIN

PIPE

101.45

TO

107.46

151 MM DIA

SCREEN

PIPE

107.46

TO

113.48

150 MM DIA

PLAIN

PIPE

113.48

TO

119.49

TOTAL ASSEMBLY=

119.49 M+A.G.L.=

119.99

3- Proposed Assembly for Lowering

1

300MM DIA MERW PIPE PLAIN PIPE

2

200MM DIA MERW PIPE PLAIN PIPE

36.11

3

150MM DIA MERW PIPE PLAIN PIPE

62.65

4

300/150 MM DIA REDUCER

5

200/150 MM DIA REDUCER

1

6

150MM DIA MSERW SLOTTED PIPE

21.03

7

300MM DIA WELL CAP

8

200MM DIA WELL CAP

1

9

150MM DIA CENTER GUIDE

3

10

GRAVEL PACKING

11

600 MM DIA BORE DIGGING

12

500 MM DIA BORE DIGGING

TOTAL ASSEMBLY =

119.99

KPTL

ТРИА

JE UPJN

AEUPJN

EE UPJN



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: TDMA/WWP/JR/551

Date: 20-10-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Rampurmeer, Block – Mithaura, Distt. – Maharajganj

Drilling Depth (m) : 135.00 mbgl as reported by Driller

Logged Depth (m) : 130.00 mbgl

Date of Logging : 20.10.2023

Types of Log : S.P., Resistivity (Normal) & Natural Gamma

Logger Used : Robertson Geologging.,

Bore Hole Drilled by : Kalpataru Power Transmission Ltd.,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of Strata	R_{mf} & R_w
1	34 – 42	8	Good	$R_{mf} = 21.97 \Omega m$ $R_w = 24.38 \Omega m$
2	50 – 54	4	Good	
3	60 – 72	12	Good	
4	80 – 86	6	Good	
5	98 – 102	4	Good	
6	106 – 114	8	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.

2. No proper granular zones encountered below 114 mbgl to till depth logged.



(A.K. Singh)
Geophysicist

