

Auroville Water Service



EXPLORATORY BORE WELL COMPLETION REPORT

SUBMITTED

BY

Auroville Water Service

Auroville.

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K.SIVASUBRAMANIAN

HYDROGEOLOGIST

Auroville Water Service

Name of Work:

Construction of New
Exploratory bore well in
Matirmandir Compost Area
new well, at Auroville.

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DRILLING LOG REPORT

1. Name of the work : Construction of Exploratory bore well – 01
2. Name of Contractor : Balagi Borewells.
2. Name of the Village : Matirmandir new well, Auroville.
3. Name of Commune : Irumbai
4. Name of Union : Vanur
5. Recommended depth of the Bore well : 100 mts
6. Total depth Drilled : 100 mts
7. Dia of the Tube well : 200 mm
8. Date of commencement of work : 19.09.2017
9. Date of completion : 09.10.2017
10. Casing pipe used : 99.00 mts, uPVC
 - a. 200 mm dia PVC Jain CM Plain Pipe : 33.00 mts
 - b. 200 mm dia PVC Jain CM Country Slates Pipe : 66.00 mts (18mts to 27, 30 to 54, 60 to 90 & 93 to 96 mts)
11. Yield : 3 Inches ('according to V notch measurement)
12. Static water level : 26.25 mts, BGL
13. Registration No of Rig used : RJ-14- EA –1349.
14. Remarks : Domestic purpose.

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WELL NO : 01
VILLAGE_NAME : Kottakarai Irumbai - Auroville
ADDITIONAL INFORMATION : Matirmandir Compost Area Land -new well,
Near Information Burial Ground at Auroville.
OWNERS NAME : M/s. Mathirmandir .
TOTAL DEPTH : 100 mts
LONGITUDE : LATITUDE :

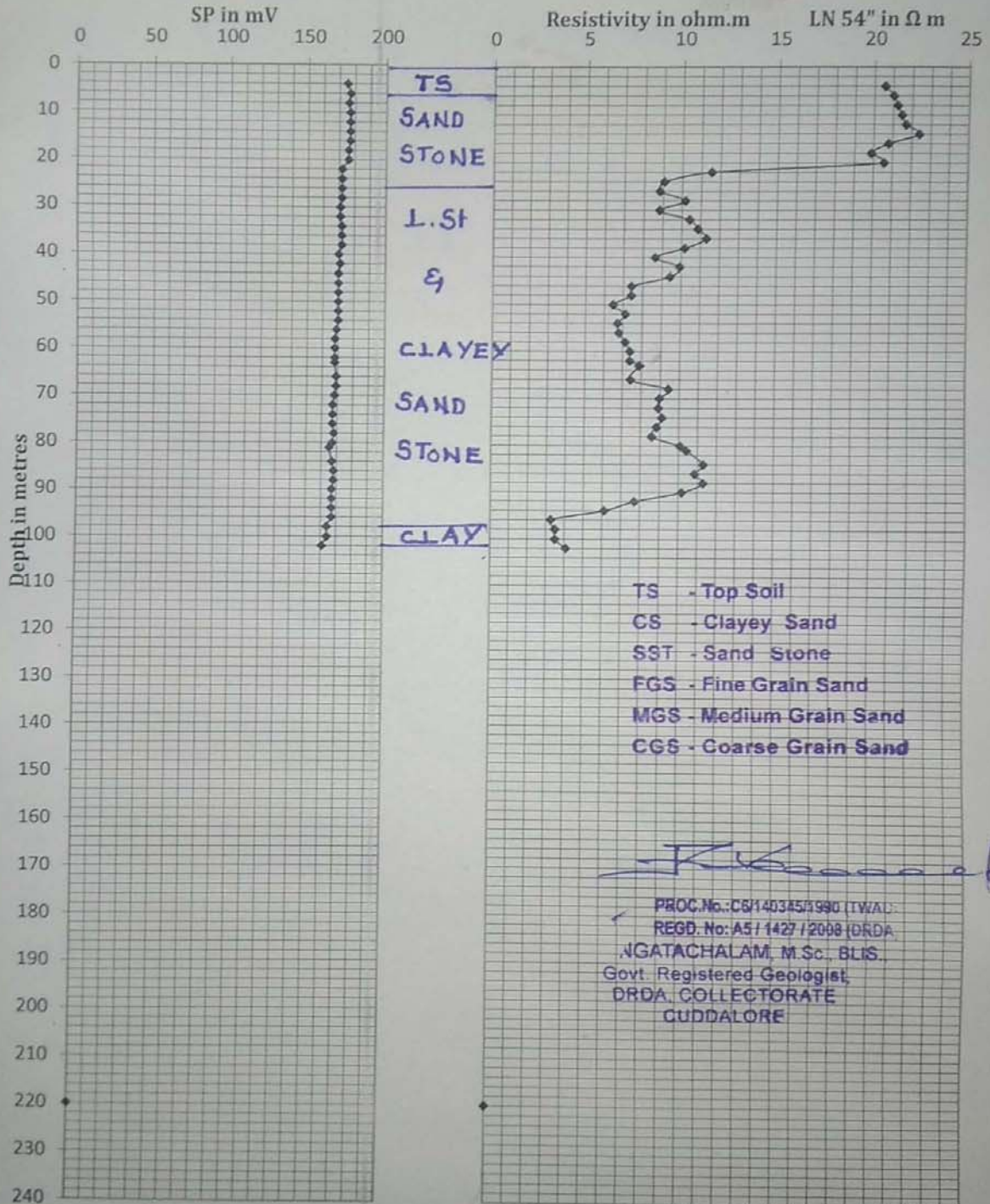
Depth From (m)	Depth To (m)	Description	Formation
0.00	3.00	Yellowish to brown colored sandy clay.	Kadaperikuppam Formation 0-51
3.00	21.00	Yellow to brown colored Sandy clay mixed with limestone .	
21.00	36.00	Yellowish Pale brown colored sandstone medium to fine grained.	
36.00	51.00	Pale brown to pale yellow colored clay admixed with weathered limestone.	
51.00	63.00	Pale grey colored hard clay with Calcareous sandstone.	Thuruvai limestone 51.00-90.00
63.00	66.00	Pale grey colored clay admixed with sandstone fine grained angular to sub rounded.	
66.00	90.00	Black to Grey colored clay hard in nature admixed with Calc. sandstone	
90.00	93.00	Black to grey colored sand / silt stone.	Ottai clay stone 90.00 -100.00
93.00	100.00	Black to grey colored silt stone.	

K. Sivasubramanian
Hydrogeologist.

Auroville Water Service

RK BOREWELL CONSULTANCY ELECTRICAL LOGGING GRAPH SHEET

NAME : _____ DATE : _____
 HABITATION : MATHIR MANDHIR CAMPUS CONSTANT (K) : _____
 : AUROVILLE GEOLOGIST : R.VENGATACHALAM M.SC.,BLIS.,
 DISTRICT : PUDHUCHERRY



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Location : Matirmandir , Auroville.

Commune : Irumbai

Union : Vanur

District : Villupuram

Pilot borehole –Rotary Rig – Recommended Depth -99 meters.

Electrical logging depth = 99 meter.

Date of Electrical logging: 21.01.2015

Reamed up to 195 meters.

Pipe assembly Design:

<i>Depth From (m)</i>	<i>Depth To (m)</i>	<i>Description</i>	<i>uPVC pipe length to be used</i>
0.00	18.00	Mt 8" uPVC Plain casing pipe	27.00
18.00	27.00	Mt 8" uPVC Slotted casing pipe	9.00
27.00	30.00	Mt 8" uPVC Plain casing pipe	3.00
30.00	54.00	Mt 8" uPVC Slotted casing pipe	6.00
54.00	60.00	Mt 8" uPVC Plain casing pipe	3.00
60.00	90.00	Mt 8" uPVC Slotted casing pipe	6.00
90.00	93.00	Mt 8" uPVC Plain casing pipe	6.00
93.00	96.00	Mt 8" uPVC Slotted casing pipe	12.00
96.00	99.00	Mt 8" uPVC Plain casing pipe with Bull nose	6.00
Total			99.00

Pipe Details:

8 inches Plain = 33.00mts =11*3m

8 inches Screen = 66 mts = 22*3 m

Total = 200 mm 99 m 33*3m

