

GEOLOGICAL REPORT

This report presents the results of the geological survey carried out for the proposed 1000 MW Solar Park in N.P. Kunta and Kothapalli villages N.P Kunta Mandal of Ananthapuramu District.

Subsurface conditions at the locations for the proposed solar facility were explored by traversing the project site and studying the unlined dug wells, stream sections and open quarries in the Project site area of approximately 7,181 acres.

The project site is located within elevations ranging between elevations El. +450.00m to El. +430.00m. The terrain encompassing the proposed solar power project is a gently undulating country with a general topographical slope towards west-east. The surface does not support any vegetation owing to very scanty rainfall and run-off. The surface exposes weathered rock, all rock material is decomposed and / or disintegrated to soil. The soil cover generally does not exceed 0.5 – 1.0m.

Disclaimer: This information is only general assessment provided as a general guidance to the bidders. Bidders who require accurate data have to make their own assessment / investigation. APSPCL takes no responsibility for the above data or variation in the data what so ever.

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TEST REPORT

RC.AN/CEA/ICS/ ENV.LAB /T. 615/2014, Dt.08-12-2014

Name of the Work : Testing of Water sample from bore well point near p2, survey number 679 at N.P.Kunta –Development of solar power project-Anantapur.

Samples supplied by: The Assistant Executive Engineer/Civil, O&M Division/PABRHES, APGENCO./PABR Dam.

S.No.	Parameter	
1.	Appearance	Normal
2.	Turbidity (NT UNITS)	4.7
3.	Colour Hazen Units)	3.2
4.	Taste	Aggreable
5.	Odour (Ton)	1.3
6.	pH at 25°C	6.5
7.	Ec micromhos/cm	706
8.	Suspended solids	120
9.	Total dissolved Solids	438
10.	P – Alkalinity as CaCO_3	32
11.	M – Alkalinity as CaCO_3	19
12.	Total hardness as CaCO_3	25
13.	Calcium as Ca	3
14.	Magnesium as Mg	5
15.	Carbonate Hardness as CaCO_3	10
16.	Non – Carbonate hardness as CaCO_3	15
17.	Hydroxide Alkalinity as CaCO_3	13
18.	Bi-Carbonate Alkalinity as CaCO_3	0

Contd.....2

S.No.	Parameter	
19.	Carbonate as CO_3	23
20.	Bi – Carbonate as HCO_3	0
21.	Chloride as Cl	63
22.	Nitrite as NO_3	Nil
23.	Nitrite as N	27
24.	Flouride as F	0.4
25.	Iron as Fe	-
26.	MPN (100ml)	-
27.	E – Coli (in 100ml)	-
28.	Guinea Worms	-
29.	Organic Solids+-	-
30.	Inorganic Solids	-
31.	Sulphates as CO_3	-

1. All parameters are expressed in mg / l unless otherwise specified.
2. 1PPm = 1mg/l and 1% = 10,000 PPM

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