

Isakapalli Lighthouse

Estd.2009

MASTER LEDGER

1. **Name** : ISKAPALLILIGHTHOUSE
2. **Sr.No.** : AwaitedfromNHO
(as perA.L.O.L)
3. **Position** : Lat:14⁰ 44'N
Long:80⁰6'E
4. **Elevation** : 34.4MtraboveMSL
5. **Characteristic** : Group Flash(2) White,
every10Seconds(0.3+3.2+0.3+6.2)Sec
6. **Range in nautical miles**
 - i) Luminous : 18 NM
 - ii) Geographical : 17 NM
7. **Lighthouse Tower**
 - i) Type : Circular R.C.C. Tower
 - ii) Height : 30 Mtr
 - iii) ColourScheme : Red & White diagonal bands
8. **Optical Equipment**
 - a)
 - i) Make : M/s Wealth marine
 - ii) Size : 500mm (Rotating Beacon)
 - iii) Focaldistance : 250 mm
 - iv) No.ofPanels : 4 "Fresnel" Lens & 2 black(Setof2+1of180^o)
 - v) Duration of flash
Main : 0.3Seconds
 - b) **Pedestal** : G.Ipipe,2Tier,Height-1.5Mtr.
 - c) **Rotation Device** : Stepper motor 20 kg-cm - 1 No (Unique make)SteppermotorController-1No(Uniquemake)
 - d) **Rotation Speed** : 3RPM



: 150W/230VMetalHalideLamp

: Nil

f) Effective Beam Intensity

i) Main/Service : 15NM

9. Lantern

- i) Diameter : 2.40Mtr
- ii) Height of glazing : 1.50Mtr
- iii) No. of panes : 12Nos.
- iv) Ventilators : 6 Nos.

10. Energy Source

- A) APS/DCL Mains : 440VAC, 50Hz, 3Phase
- B) Green Energy : 0.42KW off grid solar power plant for main light.
 - i) Solar panels : 6Nos. 12V/70W (TATA B.P make)
 - ii) Battery Bank : 6Nos. 2V/150Ah (Exide tubular battery)
 - iii) PCU/UPS : Hykon Make 900VA/12V.

11. Generator : **Diesel Engine** Brushless AC generator, Kirloskar make, 16B HP/1500RPM, Model No. EA16

12. Details of Alternator : Kirloskar make, KVA : 7.5, Voltage: 240 VAC, Frequency : 50Hz, Phase : Single phase, RPM : 1500, Sl.No. 4722 08.1608.91/0700846

13. **Automatic Voltage Stabilizers** : 1 No.

Make : supra-hitech
Model : SH-390
Capacity : 09KVA,3phase
Input : 330-470V
Output : 400±1%V

14. AMFPanel

i)Make : M/s.Elect India
ii)Model : MSV-EMF50 CFTR.
iii)Capacity : 10KVA,3 phase

15. Automation of Lighthouse.

i)Make : M/sRecktronicDevices&Systems,Pune.
ii)RDSPanel : 1No.inpowerhouse.(Sl.No.1611)
iii)RDS Panel : 1No.Serviceroom.(Sl.No.1606)
iv)V-SATDish Size : 1.2Mtrdia

16. Regulated Power Supply : APLABMAKE.32VDC/30A
17. Street Lights : i) 12Nos.G.IPoleswith25WLED Streetlight.
ii) Main GateLightLED -2Nos.
18. Fire fighting equipment
Fire Extinguishers
i) D.C.P.type : 4 Nos.
(ABCType)
ii) Foam type : 1No.
(9 litres capacity)
iii) Fire Buckets : 4 Nos.
19. Communication Facility : NA-IIIImobileNo:8019141936
e-mail: Iskapalli-Vizag@dgll.nic.in
20. WaterSupply : i)Panchayat water supply with under Ground
Sump.
ii) Rain water tank for each quarter
21. Land
i)Area : Ac2.0 Cts.
ii)Demarcation : Masonry Compound wall
iii)No.of fruit trees : 30Nos.
iv) No.of non fruit bearing Trees : 55Nos.
22. Buildings : Staff Qtr -3Nos., Inspection Qtr-1No.,
Pumphouse-1No., Camp house-1No., Office
consisting Power House, Store Room,
Recreation Room - 1No.
23. Staff : i) NA III-1No. ii) NA(Outsourcing) - 1No
24. Mode of approach : By bus 45km from Nellore
25. Facilities available : a)Near by Post Office 10km (Alluru)
b)Govt. Hospital within 3km (Iskapalli)

- c)Govt. School within 2km (Iskapalli)
- d)Nationalized Bank within 3km (Iskapalli)

26. Postal Address : The Navigational Assistant Grade-I,
Iskapalli Lighthouse,
Post: Iskapalli, Allur Mandal,
SPSR Nellore Dist. Andhra Pradesh, Pin: 524315.
27. **CostDetails**
- i)Construction : Rs.4,53,80,000/-
 - ii)Cost of equipment : Rs.22,50,000/-
28. Year first Light Commissioned : 28-02-2009
29. Date of Commissioning : 28-02-2009
30. Subsequent Innovations : 08-01-2016,17-03-2016, March 2022