

Ravaport Lighthouse
Estd.2013
VISAKHAPATNAM DIRECTORATE
MASTER LEDGER

1. **Name** : RAVA PORT LIGHTHOUSE
2. **Sr.No.**
(as per A.L.O.L) : 0952.5
3. **Position** : Lat: 16⁰ 29' 60" N
Long: 82⁰ 16' 05" E
4. **Elevation** : 32.5 Mtr
4 FL (W) every 20Seconds
5. **Characteristic** : (Fl 1sec+2sec ec+ Fl
1sec+2sec ec+ Fl 1sec+2s ec
+ Fl 1sec+10sec ec)
6. **Range in nautical miles**
 - i) Luminous : 15 NM
 - ii) Geographical : 12 NM
7. **Lighthouse Tower**
 - i) Type : Circular FRP Tower
 - ii) Height : 30 Mtr
 - iii) Colour : White
Scheme
8. **Light Beacon (flashing)**
 - a)
 - i) **Make** : **M/s. Aero marine**
 - ii) Model : SL-155
 - iii) Type : LED Light Beacon
 - b) **Pedestal** : 1.2m height G.I
 - c) **Illuminant**
 - i) Main/Service : 18 W LED Light (Sea lite make SL155)
 - ii) Standby : Nil



iii) Emergency : Nil

d) **Effective Beam Intensity**

i) Main/Service : 9,000 cds.

9. **Energy Source**

A) APEPDCL Mains : single phase 220 V AC, 50Hz.

B) Green Energy : 3KW off grid solar power plant for Main Light

i) Solar panels : 12 Nos. 24V/250W(Vikram make)

ii) Battery Bank : 12 Nos. 12V /150Ah (Exide SMF)

iii) PCU : HBL Make 3KVA /48V PCU.

iv) Date of installation : 18/01/2017

10. **Details of Diesel Engine**

Generators : One Canopy type

Model No : KG10AS1-EA16

Make/Type : Kirloskar

H.P. : 10 KVA

No. of Cylinder : 2 Nos.

RPM : 1500

11. **Details of Alternator**

Make : Kirloskar

Model No : BS1J010D864-H

KVA : 12.5

Voltage : 230 V

Frequency : 50 Hz

Phase : Single

RPM : 1500

12. Automatic Voltage Stabilizers : 1 No.

Make : supra- hitech

Model : SH-1100

Capacity : 10 KVA

- Input : 170-270 V
Output : 230 V
13. AMF Panel
Make : Elect India
Model : EMF-15M3G1-ICFTDM02
Capacity : 15 KVA, 3 phase
14. Automation of Lighthouse.
i) Make : M/s Recktronic Devices & Systems, Pune.
ii) RDS Panel : 1No in power house.(s.no.1607)
iii) V-SAT Dish : 1.2Mtr dia
Size
iv) Date of commissioning : 26/01/2017
15. Street Lights : 19 Nos. Solar Street lights with LED
16. Inverters / UPS : 1 No.
Make : Hykon
Capacity : 2 KVA
Input : 24 V DC
Output : 230 V AC
17. No. of Batteries : 2 Nos.
Make : Exide
Capacity : 12 V – 150 AH
18. Battery charger : 12V DC 10A
Make : Kirloskar
19. Firefighting equipment
Fire Extinguishers
i) D.C.P. type : Nil
(3.2kg Capacity)
ii) Foam type : Nil
(9 litres capacity)
iii) Fire Buckets : Nil

20. Communication Facility : NA-II Mobile No:9573274834
e-mail : Ravaport-vizag@dgll.nic.in
21. Water Supply : i) Rain Tank-3 Nos.
ii) Ground Water
iii) connection from Rural Scheme
22. Land
i) Area : 1.3Acres
ii) Demarcation : Masonry Compound wall of 8 ft. height
iii) No. of fruit trees : Nil
iv) No.of non fruit bearing Trees : 5 Nos.
23. Buildings : Power house, Store & Office Room, Inspection quarter, NA II quarter, LHA quarter, Pump house with Under Ground Sump
24. Staff : NA-II – 1 No., LHA – 1 No. (Vacant)
25. Mode of approach : By Rail up to Rajahmundry and then by bus up to Amalapuram and then by Taxi/auto up to Lighthouse 29km.
26. Facilities available : a) Post Office within 4 km (S. Yanam)
b) Govt. Hospital within 29 km (Amalapuram)
c) Govt. School within 3 km (S. Yanam)
d) Nationalized Bank within 27 km (Amalapuram)
27. Postal Address : The Navigational Assistant Gr-II,
Rava Port Lighthouse,
S.Yanam P.O, Uppalaguptham (M),

EAST Godavari District
Andhra Pradesh, Pin: 533 213.

28. **Cost Details**
- i) Construction : Rs. 1,46,71,976/-
 - ii) Cost of equipment : 2,47,100/-
29. Year of first Light : 27-12-2014
Commissioned
30. Subsequent : 08-11-2017
Innovation (2nd)