

# Armagon Lighthouse

Estd.1853

## MASTER LEDGER

1. **Name** : ARMAGON LIGHTHOUSE
2. **Sr.No.**  
**(as per A.L.O.L)** : F 0951
3. **Position** : Lat: 13° 53.30' N  
Long: 80° 12.18' E
4. **Elevation** : 34.64 Mtr above MSL
5. **Characteristic** : FL W 15Seconds (**FI 0.38. EC 14.62**)



### 6. **Range in nautical miles**

- i) **Luminous** : 26 NM
- ii) **Geographical** : 16.4 NM

### 7. **Lighthouse Tower**

- i) **Type** : Circular RCC Tower
- ii) **Height** : 30 Mtr
- iii) **Colour Scheme** : Red and White bands

### 8. **Optical Equipment**

- a)
  - i) **Make** : MBR-300
  - ii) **Size** : 105mm Focal Distance
  - iii) **No. of Panels** : 6 Panels
  - iv) **Divergence**  
Main : Horizontal 3°, Vertical 3°
  - v) **Duration of Main flash** : 0.38 Second
- b) **Pedestal** : GI Pedestal
- c) **Rotation Device** : Brushless DC direct –drive motor (step by step)

d) **Rotation Speed** : 0.667 RPM

e) **Illuminant**

i) Main/Service : 150W/230V Metal halide lamp  
(Conversion on 22-06-2015)

f) **Effective Beam Intensity**

i) Main/Service : 1, 66,000 cds.

9. **Lantern**

i) Diameter : 3.5 Mtr  
ii) Height of glazing : 2.9Mtr  
iii) No. of panes : 36 Nos.  
iv) Ventilators : 11 Nos.

10. **Energy Source**

A) APSPDCL Mains : 3 Phase 440V, 50Hz  
B) Green Energy : 0.48KW off grid for main light  
6 Nos. 12V/80W( TATA B.P make)  
i) Solar panels : 05-02-11  
6 Nos. 2V /900Ah (TATA B.P Tubular)  
ii) Battery Bank : 29-09-2019  
800VA /12V UPS ( UTL make)  
iii) PCU : 24-12-2021  
C) Green Energy : 0.48KW off grid for NAIS  
2 Nos. 24V/250W( CASA make)  
i) Solar panels : 24-02-2018  
4 Nos. 12V /150Ah (Exide SMF)  
ii) Battery Bank : 18-07-2022  
iii) PCU : 01 No., 2KVA /24V UPS (hykon make)  
23-01-2018

11. No. of Standby Diesel Generators : 1 No.

Details of Diesel Engine

Make : Kirloskar Oil Engines ltd  
Frame : HA2945RIII  
Engine No. : 02.2145/1422480  
Model No. : KG15AS4 (Canopy)  
H.P. : 20.5  
No. of Cylinder : 2 Nos.  
RPM : 1500  
Cooling : Air Cooling  
Date of installation : 25-06-2015

**12. Diesel Engine Alternator**

Make : Kirloskar Oil Engines ltd  
Frame : 184B, CSIB014F6510-H  
KVA : 15  
Voltage : 230 V  
Frequency : 50 Hz  
Phase : Single  
RPM : 1500  
Date of installation : 25-06-2015

**13. Automatic Voltage Stabilizer**

: 1 No.  
Make : Supra-hi-tech  
Model : SH-3120  
Capacity : 12 KVA  
Input : 330 - 470 V  
Output : 400 ± 1% V  
Date of Installation : 29/05/2018

**14. AMF Panel**

Make : Elect India  
Model : EMF15KM3G1-ICFTDM02

Capacity : 15 KVA, 3 phase 25A  
Date of installation : 25-06-2015

**15. NAIS Equipment**

Make : M/s SAAB  
AIS R40 Base Station : Sl.No.5338  
AIS R40 Base Station : Sl.No 5305  
(Connected with Cisco switch and PSM-500LSatellite modem.)  
V- SAT Dish Size : 2.4Mtr. Dia  
VHF Antenna : 2 Nos.  
GPS Antenna : 2 Nos.  
Date of Commissioning : 10/02/2012

**16. Automation of Lighthouse.**

Make : M/s Recktronic Devices & Systems, Pune.  
RDS Panel : 1No. in power house.  
RDS Panel : 1No. Service room.  
VSAT Antenna : 1.2 Mtr. Dia  
Date of commissioning : 28-10-2013

17. Street Lights : 6 Nos. G.I. poles with 25W LED fittings,  
2 Nos. CFL 18W Gate Lights

**18. Firefighting equipment**

i) D.C.P. type : 9 kg – 1 no., 6 kg – 1 no. & 4 kg -1no.  
ii) Foam type : 1 Nos.  
(9 litres Capacity)  
iii) CO2 ( 3 KG ) : 1 Nos.  
8 Fire Buckets : 4 Nos.

19. Water Supply : Open well provided with electric pump of 1HP with  
Over Head Tank on old LH and Water supply to  
buildings through pipe line.

**20. Land**

i) Area : 2.084 Hectares  
ii) Demarcation : Masonry Compound wall

- iii) No. of fruit trees : 9 Nos.
- iv) No. of non fruit bearing Trees : 144 Nos.
21. Buildings : Lighthouse Tower, Powerhouse, Store room, Recreation room, Office room – 1 unit, Inspection quarter, NA-I quarter - 1unit, NA-II quarter – twin unit and LHA & LHS quarter - twin unit.
22. Staff : i) NA-I - 1 No.  
ii) NA-II - 1 No.  
iii) LHA - 1 No. (Vacant)
23. Mode of approach : By Rail up to Naidupeta and then by road to Lighthouse about 50 km.
24. Facilities available : a) Post Office within 8 km (Nedigurthi)  
b) Govt. Hospital within 50 km (Naidupeta)  
c) Govt. School within 22 km (Mallam)  
d) Nationalized Bank within 50 km (Kotta)  
e) Police Station – 45 Kms. (Vaakkadu)
25. Postal Address : The Navigational Assistant Gr-I, Armagon Lighthouse, Nidugurthy Post, Via Mallam, Nellore District. Andhra Pradesh, Pin: 524 403.
26. Communication Facility : Office small Jio phone - 9025340565  
NA-I mobile No: 9894821298  
e-mail : [armlighthouse@gmail.com](mailto:armlighthouse@gmail.com)  
[Armagoan-vizag@dgll.nic.in](mailto:Armagoan-vizag@dgll.nic.in)
27. Cost Details
- i) Construction : Rs. 24,92,293/-
- ii) Cost of equipment : Rs. 6,14,826/-

28. Year of first Light Commissioned : 1853
29. Date of Commissioning : 20-03-1983
30. Subsequent Innovation : 1902, 1928, 1983, 1999, 2015  
(1st)