

मास्टर लेजर/MASER LEDGER

| क्रमसं ख्या/ Sr.No | नाम /Name | विवरण/Description | |
|--------------------------|--|--|---|
| 1 | ए. एल. ओ. एल/ A.L.O.L. | F 0705 | |
| 2 | स्थान/Position | Lat.9° 45.00' N , long 76° 17.10' E | |
| 3 | ऊंचाई/Elevation | 34M (Above MSL) | |
| 4 | अभिलक्षण/Characteristic | Fl (2) W 10 sec | |
| 5 | नॉटिकल माइल मे दूरी Range in miles | 16.6NM | |
| 6 | दीपस्तंभ टावर/L.H.Tower | Type | Square RCC Tower |
| | | Height | 30M |
| | | Colour Scheme | White |
| 7 | ऑप्टिकल उपकरण Optical equipment | Optic | |
| | | Make | J Stone &Co. Koltkata. |
| | | Type | |
| | | Size | 300mm (4 th order large) Revolving. |
| | | No. of lens | 4 |
| | | Area of dioptic portion | Total corrected area 306 sq.cm. |
| | | Area of catadioptric portion | |
| | | Divergence Main/Emergency | 7° 38' 24" (Horizontal) 11° 27' 14" (Vertical) |
| | | Duration of Flash Main /Standby/Emergency | 0.64 Sec |
| | | Pedestal | Ball Bearing Type |
| | | Rotation Device | Stepper motor |
| | | R.P.M. | 3 |
| | | Illumining | |
| | | Main | Cluster of 3 Nos.230V/150W MH Lamp |
| Standby | | | |
| Emergency: | | | |
| Date of Installation | 22-11-2006 | | |
| 8 | प्रभावी बीम तीव्रता/Effective beam intensity | Main | 2,33,050cds |
| | | Emergency | |
| 9 | लैंटर्न/Lantern | Diameter | 2.4m |
| | | Height of glazing | 1.38m |
| | | No. of panes | 12 |
| | | Ventilators | 8 |
| 10 | RACON | Sr. No | 6295 |
| | Make | | |
| | NIL | | |
| 11 | NAIS - NIL | | |
| 12 | | Mains | 440V, 3 phase 50Hz. from KSEB. |

| | | | | | | | | | |
|----------------------------|--|------------------------|----------|----------------------------|------------------|---------|-----------|---------|--------|
| | ऊर्जा के साधन/ Source of energy | Power Source | | DG Set 7.5KVA makeIRLOSKAR | | | | | |
| | | Engine 1 | | | | | | | |
| | | Make/Type | Qty | Rating | No of Cylinder | | RPM | Cooling | |
| | | Kirloskar | 1 | 16 | 2 | | 1500 | Air | |
| | | Alternator | | | | | | | |
| | | Make/Type | Qty | Rating | Voltage/Amp | | Frequency | Phase | |
| | | Kirloskar | 1 | 7.5 KVA | 240V/31.25 | | 50Hz | Single | |
| | | Solar Plant-5Kw Ongrid | | | | | | | |
| | | Capacity PV | Numbers | | Type | Battery | | Bank | |
| | | 250W | 20 Nos | | Mono Crystalline | Nil | | -- | |
| | | Inverter- Delta 6KVA | | | | | | | |
| Solar Plant for Main Light | | | | | | | | | |
| Capacity PV | Numbers | | Type | Battery | | Bank | | | |
| 100 W/12V | 03 Nos. | | Mono | | | | | | |
| 13 | स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers | | | | | | | | |
| | Make | Model | Capacity | Input | Output | Phase | Qty | | |
| | SUPRA | -- | 5KVA | 180-270V | 230V | Single | 1 No. | | |
| 4 | बैटरी Batteries | | | | | | | | |
| | Equipment | Type | Make | Volt | Amp/Hr | Qty | | | |
| | Main Light | Tubular | Amaron | 12V | 150 | 4 Nos. | | | |
| | Genset | Lead acid | Exide | 12V | 100 | 1No. | | | |
| | Automation | SMF | Exide | 12V | 7 AH | 2Nos. | | | |
| | DGPS | | | | | | | | |
| 15 | बैटरी चार्जर/ Battery charger | | | | | | | | |
| | Equipment | Make | Model | Type | Rating | Qty | | | |
| | Steppr motor battery | Trans Electric | --- | -- | 30A | 1 No. | | | |
| 16 | इंवर्टर Inverter /UPS | | | | | | | | |
| | Equipment | Nos | Make | Model | Type | Rating | Qty | Input | Output |
| | Main Light | --- | Su-Kam | SHINY-900 | Pure sine | 900VA | 3 | 12V | 230 V |
| 17 | स्वचलन उपकरण Automation Equipment | | | | | | | | |
| | MAKE | PLC | HMI | Power Supply | VSA T | Modem | Band | | |

| | | | | | | | |
|----|--|---|----------------------|----------------------------------|---|--------|------|
| | RDS | Allen Bradley | Renu, Electronics | 24 V DC | 1.2m dia Para bolic reflec tor | Hughes | EX.C |
| 18 | आग्नि शमन उपकरण Fire Fighting Equipment | Type of Extinguisher | | | Capacity | Nos | Make |
| | | DCP Type | | | 2.0/1.0kg | 4 | |
| | | Co2 | | | 4.5kg | 1 | |
| | | Foam Type | | | 9 Ltr | 2 | |
| 19 | संचार Communication | BSNL Telephone No.0478 2562364 BSNL broad band Internet connection | | | | | |
| 20 | जल पूर्ति Water Supply | Water supplied from the Kerala Water Authority is collected at sump of capacity 2000 Liters from there it pumped to an overhead tank of capacity 5000Liters using 3HP 230V 3 phase motor. | | | | | |
| 21 | भूमि Land | Area | | | 0.6686hectre | | |
| | | Demarcation | | | Masonary compound wall | | |
| 22 | इमारतें Buildings | RCC Structure: 06 Nos | | | Office cum store room and Power house, Inspection Quarters, NA I quarters, NA quarters-2, LHAquarters (Twin unit)and Pump house . | | |
| 23 | कंपाउंड लाइट Compound Lights | LED street Light fittings on G.I Pole-11Nos. LED gate Light fittings – 2 Nos. | | | | | |
| 24 | सीसीटीवी कमेरा CCTV CAMERA | Camera | | | Nil | | |
| | | DVR | | | Nil | | |
| 25 | स्टाफ Staff | Sl. No | | Designations | | | |
| | | 1 | | Navigational Assistant Grade I | | | |
| | | 2 | | Navigational Assistant Grade III | | | |
| 26 | पहुँचने का माध्यम Mode of approach | By rail upto Cherthala Railwat station then 14 km by road upto Lighthouse. | | | | | |
| 27 | उपलब्ध सुविधाएँ Facilities available | Dispensary, High School, Police Station etc.are availablewithin 6km from Lighthouse.Post office at Andhakaranazhi 1 Km from Lighthouse. | | | | | |
| 28 | डाक पता Postal address | Navigational Asst.Grade-I Manakkodam Lighthouse, Andhakaranazhi P.O, Alappuzha Ditriect. Kerala -688 531. | | | | | |
| 29 | मूल्य का ब्योरा Cost details (At the time of Construction) | 2.92,000 | | | | | |
| 30 | प्रवर्तनमे लाने का देनांक Date of commissioning | 01.08.1979 | | | | | |