

**मास्टर लेजर/MASTER LEDGER**

| <b>सिस्टर आइलैंड दीपस्तंभ/ SISTER ISLAND LIGHTHOUSE</b> |  |   |
|---|--|---|
| क्रमसं<br>ख्या/<br>Sr.No                                | नाम /Name  | विवरण/Discription   |
| 1   | ए.एल.ओ.एल/ <b>A.L.O.L.</b>                         | F 1212.3  |
| 2   | स्थान/ <b>Position</b>                             | Lat. 11 <sup>0</sup> 08' 39.97"N<br>Long. 92 <sup>0</sup> 43' 48.82"E               |
| 3   | ऊंचाई/ <b>Elevation</b>                            | 60 m (above MSL)  |
| 4   | अभिलक्षण/ <b>Characteristic</b>                    | Fl (4) W 20 Sec.<br>(fl 0.5, ec 1.5, fl 0.5, ec 1.5, fl 0.5, ec 1.5,fl0.51,ec 13.5) |
| 5   | नॉटिकलमाइलमेदूरी<br><b>Range in miles</b>          | 10 NMiles   |
| 6   | दीपस्तंभटावर/ <b>L.H.Tower</b>                     | Type<br>G.I. Trestle Tower  |
|   |  | Height<br>12 m  |
|   |  | Colour Scheme<br>Black and White Bands  |
| 7   | ऑप्टिकलउपकरण<br>Optical equipment                  | Optic<br>Model-SL155-5D   |
|   |  | Make<br>Sealite   |
|   |  | Type<br>LED Flasher   |
|   |  | Size<br>171mm   |
|   |  | No. of lens   |
|   |  | Area of dioptric portion  |
|   |  | Area of catadioptric portion  |
|   |  | Divergence<br>Main/Emergency  |
|   |  | Duration of Flash<br>Main /Standby/Emergency  |
|   |  | Lamp changer  |
|   |  | Pedestal  |
|   |  | Rotation Device<br>White Flashing Light   |
|   |  | R.P.M.<br>NA  |
|   |  | illuminating<br>High Efficiency LEDs  |
|   |  | Main  |
|   |  | Standby / Auxiliary   |
|   |  | Emergency:  |
|   |  | Date of Installation  |
| 8   | प्रभावीबीमतीव्रता/ <b>Effective beam intensity</b> | Main & Standby  |
|   |  | Emergency   |
| 9   | लैंटर्न/ <b>Lantern</b>                            | Diameter  |
|   |  | Height of glazing   |

|    |   |              |              |                |                      |           |                           |  |
|----|---|--------------|--------------|----------------|----------------------|-----------|---------------------------|--|
|    |   | No. of panes |              |                |                      |           |                           |  |
|    |   | Ventilators  |              |                |                      |           |                           |  |
| 10 | RACON - NA-   |              |              |                |                      |           |                           |  |
|    | Make  | Model        | Code         | Band           | Date of Installation |           |                           |  |
|    | -   | -            | -            | -              | -                    |           |                           |  |
| 11 | NAIS  |              |              |                |                      |           |                           |  |
|    | Base Station  |              |              |                |                      |           |                           |  |
|    | Model   | Type         | Power        | MMSI           |                      |           |                           |  |
|    |   |              |              |                |                      |           |                           |  |
|    | Communication Equipment   |              |              |                |                      |           |                           |  |
|    | VSAT Antenna Prodelin 2.4 meter                                   |              |              |                |                      |           |                           |  |
|    | DGPS  | -NA-         | -            |                | -                    |           | -                         |  |
|    | Trasmitter Make   | Frequency    | Power Output | RS 1 ID        | RS -II ID            | Beacon ID | Date of commisioning      |  |
|    | -   | -            | -            | -              | -                    | -         | Date of Recapit alization |  |
|    | -   | -            | -            | -              | -                    | -         | -                         |  |
| 12 | ऊर्जाकेसाधन/ <i>Source of energy</i>                              | Mains        |              |                |                      |           |                           |  |
|    |   | Standby      |              |                |                      |           |                           |  |
|    |   | Engine 1     |              |                |                      |           |                           |  |
|    |   | Make/Type    | Qty          | Rating         | No of Cylinder       | RPM       | Cooling                   |  |
|    |   |              |              |                |                      |           |                           |  |
|    |   | Alternator   |              |                |                      |           |                           |  |
|    |   | Make/Type    | Qty          | Rating         | Voltage/Amp          | Frequency | Phase                     |  |
|    |   |              |              |                |                      |           |                           |  |
|    |   | Engine 2     |              |                |                      |           |                           |  |
|    |   | Make/Type    | Qty          | Rating         | No of Cylinder       | RPM       | Cooling                   |  |
|    |   | -            | -            | -              | -                    | -         | -                         |  |
|    |   | Alternator   |              |                |                      |           |                           |  |
|    |   | Make/Type    | Qty          | Rating         | Voltage/Amp          | Frequency | Phase                     |  |
|    |   | -            | -            | -              | -                    | -         | -                         |  |
|    |   | Solar Plant  |              |                | Solar panels.        |           |                           |  |
|    |   | Capacity PV  | Numbers      |                | Type                 | Battery   | Bank                      |  |
|    | 75 W  | 01           |              | Mono Crystline | 12V/100AH            | 01        |                           |  |
|    | Solar Plant for Main Light  |              |              |                |                      |           |                           |  |
|    | Capacity PV   | Numbers      |              | Type           | Battery              | Bank      |                           |  |
|    |   |              |              |                |                      | -         |                           |  |
| 13 | स्वचालितवोल्टेजस्टेबलाइजर<br><i>Automatic Voltage Stabilizers</i> |              |              |                |                      |           |                           |  |

|    | Make   | Model       | Capacity     | Input                       | Output          | Phase         | Qty         |              |               |
|----|--|-------------|--------------|-----------------------------|-----------------|---------------|-------------|--------------|---------------|
| 14 | <b>बैटरी</b><br><b>Batteries</b>                       |             |              |                             |                 |               |             |              |               |
|    | <b>Equipment</b>                                       | <b>Type</b> | <b>Make</b>  | <b>Volt</b>                 | <b>Amp/Hr</b>   | <b>Qty</b>    |             |              |               |
|    | Main Light   | SMF         | Exide        | 12V                         | 100AH           | 01 Nos        |             |              |               |
|    | <b>Genset</b>  |             |              |                             |                 |               |             |              |               |
|    | <b>Automation</b>                                      |             |              |                             |                 |               |             |              |               |
|    | <b>DGPS</b>  | -           | -            | -                           | -               | -             |             |              |               |
| 15 | <b>बैटरीचार्जर/ Battery charger</b>                    |             |              |                             |                 |               |             |              |               |
|    | <b>Equipment</b>                                       | <b>Make</b> | <b>Model</b> | <b>Type</b>                 | <b>Rating</b>   | <b>Qty</b>    |             |              |               |
|    |  |             |              |                             |                 |               |             |              |               |
|    | <b>Automation</b>                                      |             |              |                             |                 |               | -           |              |               |
| 16 | <b>इंवर्टरInverter /UPS</b>                            |             |              |                             |                 |               |             |              |               |
|    | <b>Equipment</b>                                       | <b>Nos</b>  | <b>Make</b>  | <b>Model</b>                | <b>Type</b>     | <b>Rating</b> | <b>Qty</b>  | <b>input</b> | <b>output</b> |
|    | Main Light   |             |              |                             |                 |               |             |              |               |
|    | NAIS PSS   |             |              |                             |                 |               |             |              |               |
|    | DGPS   |             |              |                             |                 |               |             |              |               |
| 17 | <b>स्वचलनउपकरण</b><br><b>Automation Equipment</b>      |             |              |                             |                 |               |             |              |               |
|    | <b>MAKE</b>  | <b>PLC</b>  | <b>HMI</b>   | <b>Power Supply</b>         | <b>VSAT</b>     | <b>Modem</b>  | <b>Band</b> |              |               |
|    |  |             |              |                             |                 |               |             |              |               |
| 18 | <b>आग्निशमनउपकरण</b><br><b>Fire Fighting Equipment</b> |             |              | <b>Type of Extinguisher</b> | <b>Capacity</b> | <b>Nos</b>    | <b>Make</b> |              |               |
|    |  |             |              | DCP                         |                 |               |             |              |               |
|    |  |             |              | DCP                         |                 |               |             |              |               |
|    |  |             |              | Foam                        |                 |               |             |              |               |
|    |  |             |              | Co2                         |                 |               |             |              |               |
|    |  |             |              | Fire bucket                 |                 |               |             |              |               |
|    |  |             |              |                             |                 |               |             |              |               |
| 19 | <b>संचार</b><br><b>Communication</b>                   |             |              | NA                          |                 |               |             |              |               |
| 20 | <b>जलपूर्ति</b><br><b>Water Supply</b>                 |             |              |                             |                 |               |             |              |               |
| 21 | <b>भूमि</b><br><b>Land</b>                             |             |              | 225 Sqm                     |                 |               |             |              |               |
|    |  |             |              |                             |                 |               |             |              |               |

|    |  |  |  |
|----|--|--|--|
| 22 | इमारतें<br><b>Buildings</b>  |  |  |
| 23 | कंपाउंडलाइट<br><b>Compound Lights</b>                              |  |  |
| 24 | सीसीटीवीकमेरा<br>CCTV CAMERA                                       |  |  |
| 25 | स्टाफ<br><b>Staff</b>  | Unmanned Lighthouse  |  |
| 26 | पहुँचनेकामाध्यम<br><b>Mode of approach</b>                         | Sea route travel by departmental vessel M.V Sagardeep-II, M.V Indira Point or any chartered vessel upto anchorage Point, then use dinghy upto shore, landing point to the lighthouse by walk through dense forest and hilly terrain. |  |
| 27 | उपलब्धसुविधाए<br><b>Facilities available</b>                       |  |  |
| 28 | डाकपता <b>Postal address</b>                                       | N/A  |  |
| 29 | मूल्यकाब्योरा <b>Cost details</b><br>(At the time of Construction) |  |  |
| 30 | प्रवर्तनमेलानेकादेनांक<br><b>Date of commissioning</b>             | 01/03/2019   |  |