

## मास्टर लेजर/MASTER LEDGER

| क्रमसं<br>ख्या/<br>Sr.No | नाम /Name<br><u>Vengurla Rock Lighthouse</u>  | विवरण/Description                               |                                       |
|--------------------------|---|---|---------------------------------------|
| 1                        | ए.एल.ओ.एल/A.L.O.L.                            | F0598   |                                       |
| 2                        | स्थान/Position                                | 15*53.4'N 73*27.7'E                             |                                       |
| 3                        | ऊंचाई/Elevation                               | 49m   |                                       |
| 4                        | अभिलक्षण/Characteristic                       | FI (2)W 20S                                     |                                       |
| 5                        | नॉटिकलमाइलमेदूरी<br>Range in miles            | 26NM  |                                       |
| 6                        | दीपस्तंभटावर/L.H.Tower                        | Type  | Circular Cast Iron                    |
|                          |   | Height  | 20m                                   |
|                          |   | Colour Scheme                                   | Red & White Bands                     |
| 7                        | ऑप्टिकलउपकरण<br>Optical equipment             | Optic   | Revolving                             |
|                          |   | Make  | BBT Paris                             |
|                          |   | Type  | First Order                           |
|                          |   | Size  | 920mm                                 |
|                          |   | No. of lens                                     | 2                                     |
|                          |   | Area of dioptric portion                        | 52431 sq.cm                           |
|                          |   | Area of catadioptric portion                    |                                       |
|                          |   | Divergence<br>Main/Emergency                    | Horizontal – 1.5*<br>Vertical – 2.42* |
|                          |   | Duration of Flash<br>Main<br>/Standby/Emergency | 0.18S                                 |
|                          |   | Pedestal  | C.I.                                  |
|                          |   | Rotation Device                                 | Dual stepper Motor                    |
|                          |   | R.P.M.  | 1.5                                   |
|                          |   | illuminating                                    |                                       |
|                          |   | Main  | 50W 12vdc                             |
| Standby                  | -   |   |                                       |
| Emergency:               | -   |   |                                       |
| Date of Installation     | -   |   |                                       |
| 8                        | प्रभावीबीमतीव्रता/Effective<br>beam intensity | Main & Standby                                  | 113665cd                              |
|                          |   | Emergency                                       |                                       |
| 9                        | लैंटर्न/Lantern                               | Diameter  | 4.50m                                 |
|                          |   | Height of glazing                               | 2.82m                                 |

|             |                                      |                |                                      |         |                |                      |                          |  |
|-------------|--------------------------------------|----------------|--------------------------------------|---------|----------------|----------------------|--------------------------|--|
|             |                                      | No. of panes   |                                      | 48      |                |                      |                          |  |
|             |                                      | Ventilators    |                                      | 30      |                |                      |                          |  |
| 10          | RACON                                |                | Sr. No                               |         | 6295           |                      |                          |  |
|             | Make                                 | Model          | Code                                 |         | Band           | Date of Installation |                          |  |
|             | Tideland Signal Corp.                | FAZSBCN2 SY56A | D                                    |         | -X+S           |                      |                          |  |
| 11          | NAIS                                 |                |                                      |         |                |                      |                          |  |
|             | Base Station                         |                |                                      |         |                |                      |                          |  |
|             | Model                                | Type           | Power                                |         | MMSI           |                      |                          |  |
|             | Communication Equipment              |                |                                      |         |                |                      |                          |  |
|             | VSAT Antenna                         | Band           | Modem                                |         |                |                      |                          |  |
|             | 2.4m dia Parabolic reflector         | EX-C           | Datum system M7LT Satellite Terminal |         |                |                      |                          |  |
|             | DGPS                                 |                |                                      |         |                |                      |                          |  |
|             | Transmitter Make                     | Frequency      | Power Output                         | RS 1 ID | RS -II ID      | Beacon ID            | Date of commissioning    |  |
|             |                                      |                |                                      |         |                |                      | Date of Recapitalization |  |
|             |                                      |                |                                      |         |                |                      |                          |  |
|             |                                      |                |                                      |         |                |                      |                          |  |
| 12          | ऊर्जाकिसाधन/ <i>Source of energy</i> | Mains          |                                      |         |                |                      |                          |  |
|             |                                      | Standby        |                                      |         |                |                      |                          |  |
|             |                                      | Engine 1       |                                      |         |                |                      |                          |  |
|             |                                      | Make/Type      | Qty                                  | Rating  | No of Cylinder | RPM                  | Cooling                  |  |
|             |                                      | Birla Yamaha   | 1                                    | 2.35kva | 1              | 3000                 | Air                      |  |
|             |                                      | Alternator     |                                      |         |                |                      |                          |  |
|             |                                      | Make/Type      | Qty                                  | Rating  | Voltage/Am p   | Frequency            | Phase                    |  |
|             |                                      | Birla Yamaha   | 1                                    |         | 230vac &12vdc  | 50Hz                 | 1                        |  |
|             |                                      | Engine 2       |                                      |         |                |                      |                          |  |
|             |                                      | Make/Type      | Qty                                  | Rating  | No of Cylinder | RPM                  | Cooling                  |  |
|             |                                      |                |                                      |         |                |                      |                          |  |
|             |                                      | Alternator     |                                      |         |                |                      |                          |  |
|             |                                      | Make/Type      | Qty                                  | Rating  | Voltage/Am p   | Frequency            | Phase                    |  |
|             |                                      |                |                                      |         |                |                      |                          |  |
|             |                                      | Solar Plant    |                                      |         |                |                      |                          |  |
| Capacity PV | Numbers                              |                | Type                                 | Battery | Bank           |                      |                          |  |
| 4.2KW       |                                      |                | Tata Bo Solar                        | 66no.   | 11             |                      |                          |  |

|    | Solar Plant for Main RACON   |                |                    |                      |        |          |      |       |        |  |
|----|--|----------------|--------------------|----------------------|--------|----------|------|-------|--------|--|
|    | Capacity PV  |                | Numbers            |                      | Type   | Battery  | Bank |       |        |  |
|    | 75W  |                | 1                  |                      |        | 1        | 1    |       |        |  |
| 13 | स्वचालित वोल्टेजस्टेबलाइजर<br><b>Automatic Voltage Stabilizers</b> |                |                    |                      |        |          |      |       |        |  |
|    | Make   | Model          | Capacity           | Input                | Output | Phase    | Qty  |       |        |  |
|    |  |                |                    |                      |        |          |      |       |        |  |
| 14 | बैटरी<br><b>Batteries</b>  |                |                    |                      |        |          |      |       |        |  |
|    | Equipment  | Type           | Make               | Volt                 | Amp/Hr | Qty      |      |       |        |  |
|    | PSS NAIS   |                |                    |                      |        |          |      |       |        |  |
|    | Genset   |                |                    |                      |        |          |      |       |        |  |
|    | Automation   | EP26-12        | Exide Power Safe   | 12                   | 26Ah   | 2        |      |       |        |  |
|    | DGPS   |                |                    |                      |        |          |      |       |        |  |
| 15 | बैटरीचार्जर/ Battery charger                                       |                |                    |                      |        |          |      |       |        |  |
|    | Equipment  | Make           | Model              | Type                 | Rating | Qty      |      |       |        |  |
|    | General Purpose  |                |                    |                      |        |          |      |       |        |  |
|    | Automation   |                |                    |                      |        |          |      |       |        |  |
| 16 | इंवर्टर/Inverter /UPS  |                |                    |                      |        |          |      |       |        |  |
|    | Equipment  | Nos            | Make               | Model                | Type   | Rating   | Qty  | input | output |  |
|    | Main Light   |                |                    |                      |        |          |      |       |        |  |
|    | NAIS PSS   |                |                    |                      |        |          |      |       |        |  |
|    | DGPS   |                |                    |                      |        |          |      |       |        |  |
| 17 | स्वचलनउपकरण<br><b>Automation Equipment</b>                         |                |                    |                      |        |          |      |       |        |  |
|    | MAKE   | PLC            | HMI                | Power Supply         | VSAT   | Modem    | Band |       |        |  |
|    | NELCO  | Teleuemechaniq | Schneider Electric | 24vdc                |        | Sky Edge |      |       |        |  |
| 18 | आग्निशमनउपकरण<br>Fire Fighting Equipment                           |                |                    | Type of Extinguisher |        | Capacity | Nos  | Make  |        |  |
|    |  |                |                    | DCP Type(u/s)        |        | 3.2kg    | 3    |       |        |  |
|    |  |                |                    | DCP Type(u/s)        |        | 1kg      | 2    |       |        |  |
|    |  |                |                    | Foam Type(u/s)       |        | 9l       | 2    |       |        |  |
|    |  |                |                    | Water Type(u/s)      |        |          | 1    |       |        |  |
|    |  |                |                    | DCP Type             |        | --       | --   |       |        |  |
|    |  |                |                    | Fire Bucket          |        |          | 4    |       |        |  |

|    |   |  |                                      |
|----|---|--|--------------------------------------|
| 19 | संचार<br><b>Communication</b>   |  |                                      |
| 20 | जलपूर्ति<br><b>Water Supply</b>                                       |  |                                      |
| 21 | भूमि<br><b>Land</b>   | Area   | Lighthouse is on Rock in the mid sea |
|    |   | Demarcation  | Compound Wall                        |
| 22 | इमारतें<br><b>Buildings</b>   | Quarters-4Nos                                      |                                      |
| 23 | कंपाउंडलाइट<br><b>Compound Lights</b>                                 | 4  |                                      |
| 24 | सीसीटीवीकमेरा<br>CCTV CAMERA  | Camera   |                                      |
|    |   | DVR  |                                      |
| 25 | स्टाफ<br><b>Staff</b>   | Sl. No   | Designations                         |
|    |   | 1  |                                      |
|    |   |  |                                      |
| 26 | पहुँचनेकामाध्यम<br><b>Mode of approach</b>                            | From Vengurla 20km by motor luanch upto lighthouse |                                      |
| 27 | उपलब्धसुविधाए<br><b>Facilities available</b>                          | Marine Police Station                              |                                      |
|    |   | Dispensary   | 20km Appx                            |
|    |   | High School  | 20Km Appx                            |
|    |   | Post office  | 20km Appx                            |
| 28 | डाकपता<br><b>Postal address</b>                                       | -  |                                      |
| 29 | मूल्यकाब्योरा<br><b>Cost details</b><br>(At the time of Construction) | -  |                                      |
| 30 | प्रवर्तनमेलानेकादेनांक<br><b>Date of commissioning</b>                | -  |                                      |