



# INDIAN NOTICES TO MARINERS



EDITION NO. 08 DATED 16 APR 2015

(CONTAINS NOTICES 072 TO 078)

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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
Original, Authentic and Up-to-Date



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

**All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced from now on will carry a NHO crest as watermark on the reverse with backslip. Agents stamp is made mandatory on all Charts.**

**Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.**

**Mariners are strongly advised not to use or encourage the use of counterfeit chart and publications.**

### III

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

**Source of Information.** A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

**Sailing Directions.** Corrections for the Sailing Directions (Pilots) are given in Section VI.

**Lights.** Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

**Radio Signals.** The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

**Radio Navigational Warnings.**

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid overloading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

## IV

**Laws and Regulations.** While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

**Correction of Charts and Publications by the Users.** Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

**Reliance on Charts and Associated Publications.** While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

**Use of Global Positioning System (WGS 84) positions.**

- (a) The positions of hydrographic objects shown on most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

**Source Data on Charts.** All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

**Further Guidance.** The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

## NEWLY PUBLISHED INDIAN CHARTS, ENC's AND PUBLICATION

1. The new Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>2051</b> (INT 7333)	<b>31-03-2015</b>	<b>SALAYA HARBOUR</b> <u>Limits</u> 22° 20'.60N; 69° 31'.10E. 22° 33'.50N; 69° 40'.50E.	<b>25,000</b>	<b>2</b>	<b>Rs. 1870.00</b>
<b>3010</b> (INT 7418)	<b>31-10-2014</b>	<b>PARADIP ANCHORAGE</b> <u>Limits</u> 20° 11'.00N; 86° 38'.80E. 20° 17'.75N; 86° 48'.00E.	<b>25,000</b>	<b>5</b>	<b>Rs. 1870.00</b>
		<b>PARADIP PORT</b> <u>Limits</u> 20° 14'.50N; 86° 39'.00E. 20° 17'.50N; 86° 43'.60E.	<b>12,500</b>		<b>Rs. 1870.00</b>
<b>3041</b>	<b>15-03-2015</b>	<b>APPROACHES TO PARADIP</b> <u>Limits</u> 19° 53'.00N; 86° 31'.00E. 20° 23'.00N; 86° 53'.00E.	<b>60,000</b>	<b>5</b>	<b>Rs. 1870.00</b>
<b>4009</b>	<b>31-03-2015</b>	<b>JACKSON CREEK</b> <u>Limits</u> 10° 46'.00N; 92° 20'.50E. 10° 52'.30N; 92° 29'.10E.	<b>25,000</b>	<b>6</b>	<b>Rs. 1870.00</b>
<b>4184</b>	<b>15-03-2015</b>	<b>TRINKAT CHAMPLONG BAY</b> <u>Limits</u> 07° 11'.00N; 93° 41'.10E. 07° 19'.80N; 93° 54'.50E.	<b>25,000</b>	<b>6</b>	<b>Rs. 1870.00</b>

2. The new edition Indian Chart that is available for mariners in the market is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>259</b> (INT 7356)	<b>31-03-2015</b>	<b>BADAGARA TO KOCHI</b> <u>Limits</u> 08° 51'.00N; 74° 42'.00E. 11° 39'.00N; 76° 35'.00E.	<b>300,000</b>	<b>3</b>	<b>Rs. 1870.00</b>

3. The Indian Charts permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
<b>2051</b>	<b>30-04-2009</b>	<b>SALAYA HARBOUR</b>	<b>2051</b> (INT 7333)	<b>31-03-2015</b>
<b>259</b> (INT 7356)	<b>31-08-2001</b>	<b>BADAGARA TO KOCHI (COCHIN)</b>	<b>259</b> (INT 7356)	<b>31-03-2015</b>
<b>3010</b> (INT 7418)	<b>31-01-2003</b>	<b>PARADIP PORT</b>	<b>3010</b> (INT 7418)	<b>31-10-2014</b>
<b>3010</b> (INT 7418)	<b>31-01-2003</b>	<b>APPROACHES TO PARADIP</b>	<b>3041</b>	<b>15-03-2015</b>
<b>4009</b>	<b>31-07-2001</b>	<b>JACKSON CREEK</b>	<b>4009</b>	<b>31-03-2015</b>
<b>4034</b> (PLAN)	<b>31-07-2003</b>	<b>PLAN - TRINKAT CHAMPLONG BAY</b>	<b>4184</b>	<b>15-03-2015</b>



## VI

4. The new Indian Electronic Navigational Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
<b>IN52051A</b>	<b>2051</b>	<b>SALAYA HARBOUR</b>	<b>17-04-2015</b>
<b>IN53010A</b>	<b>3010</b>	<b>PARADIP ANCHORAGE</b>	<b>17-04-2015</b>
<b>IN63010R</b>	<b>3010</b>	<b>PARADIP PORT</b>	<b>17-04-2015</b>
<b>IN43041P</b>	<b>3041</b>	<b>APPROACHES TO PARADIP</b>	<b>17-04-2015</b>
<b>IN54009J</b>	<b>4009</b>	<b>JACKSON CREEK</b>	<b>17-04-2015</b>
<b>IN54184T</b>	<b>4184</b>	<b>TRINKAT CHAMPLONG BAY</b>	<b>17-04-2015</b>

5. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
<b>IN62051S</b>	<b>2051</b>	<b>SALAYA HARBOUR</b>	<b>15-03-2012</b>
<b>IN43010A</b>	<b>3010</b>	<b>PARADIP ANCHORAGE</b>	<b>10-02-2009</b>
<b>IN63010P</b>	<b>3010</b>	<b>PARADIP PORT</b>	<b>10-02-2009</b>
<b>IN44009H</b>	<b>4009</b>	<b>JACKSON CREEK</b>	<b>13-12-2012</b>

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>2001</b>	<b>MUMBAI DOCKS</b>	<b>10,000</b>	<b>New Edition</b>
<b>2015 (INT 7337)</b>	<b>PORT OF MUMBAI</b>	<b>20,000</b>	<b>New Chart</b>
<b>2076 (INT 7338)</b>	<b>JAWAHARLAL NEHRU PORT AND TROMBAY</b>	<b>20,000</b>	<b>New Chart</b>
<b>2078 (INT 7346)</b>	<b>PORT OF MORMUGAO</b>	<b>12,500</b>	<b>New Chart</b>
<b>3001 (INT 7402)</b>	<b>APPROACHES TO CHENNAI</b>	<b>50,000</b>	<b>New Chart</b>

### Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>	M/s Jeppesen Norway AS Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:enc@jeppesen.com">enc@jeppesen.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.jeppesen.com">www.jeppesen.com</a>
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**SECTION – I**

The list of charts affected by the Notices 072 to 078 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	078(T)
211	3	078(T)
253 (INT 7328)	2	076
255 (INT 7334)	3	078(T)
293 (INT 7022)	3	078(T)
352 (INT 7416)	5	077
403 (INT 7437)	6	074
404	6	074
406	6	074
407	6	074
408	6	074
409	6	074
472 (INT 7032)	6	074
473 (INT 7031)	6	074
2008	3	075
2009	3	075
2010	3	075
2016 (INT 7336)	3	078(T)
2060	2	077
2068	2	077
2514 (INT 7339)	1	072, 073
4015	6	074
4030	6	074
4034	6	074, 077
4037	6	074
4042	6	074
4161	6	074
4163	6	074
4165	6	074
4177	6	074
7071(INT 71)	1	078(T)

## **SECTION – II**

### **PERMANENT NOTICES**

**\*072/(08/15) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis; Port Louis – Turning Basin. Jetty. Depth. Coastline.**

Source: NHO Dehradun.

**Chart 2514 (INT 7739) [previous update NC 15 Dec 14]**

Insert accompanying block showing amendments to Coastline centered on: 20° 09'·00S., 57° 29'·00E.



**Chart 2514 (INT 7739) (PLAN) [previous update NC 15 Dec 14]**

Insert accompanying block showing amendments to Coastline centered on: 20° 09'·00S., 57° 29'·20E.

**\*073/(08/15) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis; Port Louis – Radar Beacon.**

Source: NHO Dehradun.

**Chart 2514 (INT 7739) (PLAN) [previous update 072/15]**

Substitute  Oc15s No10 For  Oc.R.15s No10 20° 08'·30S., 57° 29'·56E.

 Oc4s No13 For  Oc.R.4s No13 20° 08'·24S., 57° 29'·67E.

**Chart 2514 (INT 7739) [previous update 072/15]**

Substitute  For  20° 08'·30S., 57° 29'·56E.

 For  20° 08'·24S., 57° 29'·67E.

**\*074/(08/15) INDIA – ANDAMAN SEA - NICOBAR ISLAND – Light.**

Source: DLL Port Blair

**Chart 472 (INT 7032) [previous update 071/15]**

Amend light to, Fl.10s37m26M 09° 15'·46N., 92° 46'·50E.  
 light to, Fl.10s114m25M 08° 28'·30N., 93° 37'·00E.  
 light to, Fl.15s26m9M 08° 27'·42N., 93° 02'·95E.  
 light to, Fl(2)20s43m16M 08° 13'·45N., 93° 14'·32E.  
 light to, Fl(2)15s22m10M 07° 55'·80N., 93° 34'·20E.  
 light to, Fl.10s47m10M 07° 23'·75N., 93° 45'·63E.  
 light to, Fl(3)20s62m20M 07° 17'·30N., 93° 50'·30E.

**Chart 473 (INT 7031) [previous update 130/14]**

Amend light to, Fl(2)20s52m10M 12° 53'·10N., 92° 40'·20E.  
 light to, Fl(2)20s15m10M 12° 08'·70N., 92° 57'·50E.  
 light to, Fl.10s152m20M 11° 19'·60N., 92° 43'·40E.  
 light to, Fl.15s38m10M 10° 58'·90N., 92° 13'·60E.

**Chart 403 (INT 7437) [previous update 130/14]**

Amend light to, Fl(2)20s52m10M 12° 53'·20N., 92° 40'·00E.



**\*074/(08/15) INDIA – ANDAMAN SEA - NICOBAR ISLAND – Light. Continued.****Chart 404** [previous update 130/14]

Amend light to, Fl(2)20s15m10M 12° 08'·70N., 92° 57'·53E.

**Chart 406** [previous update 062/13]

Amend light to, Fl(2)20s14m10M 10° 59'·20N., 92° 40'·15E.

light to, Fl.15s38m10M 10° 58'·90N., 92° 13'·60E.

**Chart 407** [previous update 044/15]

Amend light to, Fl.10s37m26M 09° 15'·38N., 92° 46'·50E.

light to, Fl.15s26m9M 08° 27'·42N., 93° 02'·95E

**Chart 408** [previous update 072/13]

Amend light to, Fl.10s114m25M 08° 28'·30N., 93° 37'·00E

light to, Fl(2)20s43m16M 08° 13'·45N., 93° 14'·32E.

light to, Fl(2)15s22m10M 07° 55'·80N., 93° 34'·20E

**Chart 409** [previous update 071/15]

Amend light to, Fl(3)20s62m20M 07° 17'·30N., 93° 50'·30E

Insert  Fl.10s23m13M 06° 57'·18N., 93° 56'·21E

**Chart 4037** [previous update 110/14]

Amend light to, Fl.10s114m25M 08° 28'·30N., 93° 37'·00E

light to, Fl(2)20s43m16M 08° 13'·45N., 93° 14'·32E.

**Chart 4037 (PLAN)** [previous update 110/14]

Amend light to, Fl.10s114m25M 08° 28'·30N., 93° 37'·00E

**Chart 4030** [previous update 377/09]

Amend light to, Fl.10s152m20M 11° 19'·58N., 92° 43'·38E.

light to, Fl(2)20s14m10M 10° 59'·20N., 92° 40'·10E.

**Chart 4015** [previous update 136/14]

Amend light to, Fl(2)20s15m10M 12° 08'·70N., 92° 57'·50E.

**Chart 4034** [previous update 282/12]

Amend light to, Fl(3)20s62m20M 07° 17'·28N., 93° 50'·30E

**Chart 4161** [previous update NC 31 May 14]

Amend light to, Fl.10s37m26M 09° 15'·34N., 92° 46'·50E.

**Chart 4163** [previous update NC 30 Nov 12]

Amend light to, Fl.15s26m9M 08° 27'·67N., 93° 03'·31E

**Chart 4165** [previous update NC 30 Nov 12]

Amend light to, Fl(2)20s43m16M 08° 13'·45N., 93° 14'·74E.

**Chart 4177** [previous update NC 30 Nov 12]

Amend light to, Fl.10s114m25M 08° 28'·17N., 93° 37'·45E

**Chart 4042** [previous update NC 30 Nov 12]

Amend light to, Fl.15s26m9M 08° 27'·67N., 93° 03'·31E

**\*075/(08/15) INDIA – WEST COAST – Karwar Naval Harbour – Buoys.**

Source: NHO Dehradun.

**Chart 2009** [previous update 060/15]

Amend	buoy to, <i>FlG5s</i> <i>No1</i>	14° 44′.42N., 74° 07′.57E.
	buoy to, <i>FlR5s</i> <i>No2</i>	14° 44′.40N., 74° 07′.41E.

**Chart 2008** [previous update 044/15]

Amend	buoy to, <i>FlG5s</i> <i>No1</i>	14° 44′.42N., 74° 07′.57E.
	buoy to, <i>FlR5s</i> <i>No2</i>	14° 44′.40N., 74° 07′.41E.
	buoy to, <i>Fl(2)G10s</i> <i>No3</i>	14° 45′.02N., 74° 07′.59E.
	buoy to, <i>Fl(2)R10s</i> <i>No4</i>	14° 44′.99N., 74° 07′.43E.
	buoy to, <i>Fl(3)G15s</i> <i>No5</i>	14° 45′.63N., 74° 07′.59E.
	buoy to, <i>Fl(3)R15s</i> <i>No6</i>	14° 45′.62N., 74° 07′.40E.
	buoy to, <i>FlG5s</i> <i>No7</i>	14° 45′.82N., 74° 07′.67E.
	buoy to, <i>FlR5s</i> <i>No8</i>	14° 45′.83N., 74° 07′.41E.

**Chart 2010** [previous update NC 30 Jun 13]

Amend	buoy to, <i>Fl(2)G10s</i> <i>No3</i>	14° 45′.02N., 74° 07′.59E.
	buoy to, <i>Fl(2)R10s</i> <i>No4</i>	14° 44′.99N., 74° 07′.43E.
	buoy to, <i>Fl(3)G15s</i> <i>No5</i>	14° 45′.63N., 74° 07′.59E.
	buoy to, <i>Fl(3)R15s</i> <i>No6</i>	14° 45′.62N., 74° 07′.40E.

**\*076/(08/15) INDIA – WEST COAST – Veraval to Pipavav– Light.**

Source: DLL Jamnagar

**Chart 253 (INT 7328)** [previous update NC 31 Mar 13]

Amend	Light to, Fl(2)20s37m18M	21° 06′.55N., 70° 06′.30E.
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**\*077 (08/15) Miscellaneous updates to charts.**

Source: NHO Dehradun.

Chart	Previous Updates	Details
2068	035/15	Insert Chart No.2051 and Magenta limit as follows: 22° 24′.00N., 69° 31′.10E. (South Border) 22° 24′.00N., 69° 40′.50E. (South Border) 22° 33′.50N., 69° 40′.50E. 22° 33′.50N., 69° 31′.10E.
2060	190/13	Insert Chart No.2051 and Magenta limit as follows: 22° 26′.00N., 69° 31′.10E. (South Border) 22° 26′.00N., 69° 40′.50E. (South Border) 22° 33′.50N., 69° 40′.50E. 22° 33′.50N., 69° 31′.10E. Delete Chart No. 2051 and Magenta limit as follows: 22° 26′.00N., 69° 30′.60E. (South Border) 22° 26′.00N., 69° 40′.00E. (South Border) 22° 34′.00N., 69° 40′.00E. 22° 34′.00N., 69° 30′.60E.

*077 (08/15)	Miscellaneous updates to charts. Continued.	
352	070/15	Insert Chart No.3041 and Magenta limit as follows: 19° 53′.00N., 86° 31′.00E. 19° 53′.00N., 86° 53′.00E. 20° 23′.00N., 86° 53′.00E. 20° 23′.00N., 86° 31′.00E.
		Delete Chart No. 3010 and Magenta limit as follows: 20° 07′.00N., 86° 32′.00E. 20° 07′.00N., 86° 53′.90E. 20° 21′.50N., 86° 53′.90E. 20° 21′.50N., 86° 32′.00E.
4034	074/15	Insert Chart No.4184 and Magenta limit as follows: 07° 11′.00N., 93° 41′.10E. 07° 11′.00N., 93° 54′.50E. 07° 19′.80N., 93° 54′.50E. 07° 19′.80N., 93° 43′.05E. 07° 19′.00N., 93° 41′.10E.
		Delete Trinkat Champlong Bay(PLAN) and Magenta limit as follows: 07° 12′.60N., 93° 49′.60E. 07° 12′.60N., 93° 52′.60E. 07° 16′.10N., 93° 52′.60E. 07° 16′.10N., 93° 49′.60E.



**SECTION – III**  
**TEMPORARY AND PRELIMINARY NOTICES**

**\*078(T)/(08/15) INDIA – WEST COAST – Inner Approaches to Mumbai – Buoys.**

Source: Mumbai Port Trust.

1. Following buoys are not in place/ unlit:-

<b><u>Buoy No.</u></b>	<b><u>Position</u></b>	<b><u>Characteristic</u></b>	<b><u>Status</u></b>
N5	18-50.06N., 072-44.22E	Fl(3)G.15s	Not in Position
N7	18-50.19N., 072-46.33E	Fl.G5s	Unlit
N12	18-51.49N., 072-48.82E	Fl(3)R5s	Unlit

2. Mariners are advised to navigate with caution in the area.

**Charts affected – 21 – 211 – 255 (INT 7334) – 293 (INT 7022) – 2016 (INT 7336) – 7071 (INT 71).**



## **SECTION – IV** **MARINE INFORMATION**

### **1. NAVTEX TRANSMISSION**

MSI Promulgation by NAVTEX Stations at Mumbai and Chennai are temporarily out of operation.

(Source – DG Shipping)

### **2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or icgmrcc\_mumbai@mtnl.net . Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

(Source - NAVAREA VIII Warning 100/12)

### **3. DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

### **4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16<sup>th</sup> July 2008).

(a) **Safety Fairways:** An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on

encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

## 5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

## 6. **USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

## 7. **CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.



### **Distribution of Indian Paper Charts and Nautical Publications**

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<b>JEPPESEN MARINE</b> <b>Jeppesen Norway AS</b> P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:info@c-map.no">info@c-map.no</a> Site: <a href="http://www.c-map.no">www.c-map.no</a>	<b>C-Map US Commercial</b> 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: <a href="mailto:info@c-map.com">info@c-map.com</a>	<b>C-Map (UK) Ltd.</b> Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a>
<b>Mari-Sys Pte Ltd.</b> 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a>	<b>Bogerd Martin NV,</b> Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: <a href="mailto:sales@martin.be">sales@martin.be</a> Site: <a href="http://www.martin.be">www.martin.be</a>	<b>Bogerd Martin Tianjin (China Branch)</b> 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: <a href="mailto:charts-tj@martincn.com">charts-tj@martincn.com</a>
<b>C-Map Holland</b> Paleiskade 100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a>		



**List of Indian Chart Agents.**

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor 58, Dr. Sunderlal Bahl Path (Goa Street) Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg	EW Liner Charts & Publication (India) 2/524 Sundeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in
M/s C & C Marine Combine 25 Bank Street, 1 <sup>st</sup> Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@vsnl.com, sales@ccmarine.in	Gujarat Pipavav Port Limite PO – Ucchayia, Dist.- Amereli Gujarat – 365 560 Tele:- 91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammampeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com
M/s JM Maritime Services 24/24C Kavarana Building Ground Floor, Wadi Bunder P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in, charts@mtnl.net.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashishkantha@gmiindia.in Web: www.gmiindia.in
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungi Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924283, Cell: +91-9477444392/ 9331936587 Email: liftmarine@yahoo.co.in, sankar_roy342@yahoo.in	M/s L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/+91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com
M/s Engineering Logistics Executive Multi Services Elms Charts, Door No: 61-4-45-A/4, Prakash Nagar Malkapuram Visakhapatnam - 530 011 Mob: +91 9133871827 Email: sales@elmscharts.in Web: www.elmscharts.in	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad- 500 034 Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com	

## **SECTION – V**

### **NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 15 Apr 15:

<b><u>2014 SERIES</u></b> – 111 211 233 241 310 311 336 398 405 406 415 438 439 467 476 586 614 654 676
<b><u>2015 SERIES</u></b> – 025 030 055 081 099 114 122 124 133 143 154 160 161 164 178 183 194 206 208 224 225 232 236 247 249 252 255 256 259 260 261 262 264 265 266 267 269 270 272 273

3. NAVAREA VIII Warnings issued during the period from 01 Apr to 15 Apr 15 (both dates inclusive) are as tabulated below: –

<b>237.</b>	National Automatic Identification System of India will be off from 0430 to 0930 UTC on 01 Apr 15 for maintenance.			
2.	Cancel this MSG 011030 UTC Apr 15.			
<b>238.</b>	<b>North Indian Ocean.</b> Charts 32 INT 71 INT 73. Sri Lankan FVSL Kasun Putha reported drifting with 07 crew due engine failure since 310800 UTC Mar 15 in vicinity of 04 -39N 079-15E.			
<b>239.</b>	<b>India West Coast – Arabian Sea.</b> Charts 22 293 INT 71. Firing by IN ships scheduled from 072230-081130, 082230-091130 UTC Apr 15 in area bounded by			
	(a) 14-42N	072-30E	(b) 14-00N	071-06E
	(c) 15-50N	070-00E	(d) 17-10N	069-50E
	(e) 17-10N	071-20E		
2.	Safe flying Ht 5000 M.			
3.	No vessel permitted in danger area.			
4.	Cancel this MSG 091230 UTC Apr 15.			
<b>240.</b>	<b>Andaman Sea – off Nicobar.</b> Charts 41 407 408 409 472 INT 71 INT 706. Experimental firing scheduled from Car Nicobar daily from 09-10 Apr 15 from 0400-0530 UTC in area bounded by			
	(a) 07-12N	093-27E	(b) 07-16N	094-30E
	(c) 09-22N	094-30E	(d) 09-23N	092-10E
	(e) 08-23N	092-54E		
2.	Safe flying Ht 18000 M.			
3.	No vessel permitted in danger area.			
4.	Cancel this MSG 100630 UTC Apr 15.			
<b>241.</b>	<b>India East Coast – Bay of Bengal.</b> Charts 31 352 353 INT 71 INT 706. Experimental flight trial scheduled from ITR on 09 and 10 Apr 15 from 0530-0930 UTC in area bounded by			
	(a) 18-16.00N	085-45.88E	(b) 18-05.29N	087-39.82E
	(c) 18-18.77N	089-18.14E	(d) 18-57.59N	089-15.78E
	(e) 19-35.23N	089-05.54E	(f) 19-18.43N	087-27.06E
	(g) 18-32.05N	085-42.91E		
2.	No over flight and shipping permitted in danger area.			
3.	Cancel this MSG 101030 UTC Apr 15.			
<b>242.</b>	<b>Cancel NAVAREA VIII 228/15. India East Coast – Bay of Bengal.</b> Charts 31 301 351 352 3011 INT 71 INT 706. Experimental flight trial scheduled from ITR daily on 05 and 06 Apr 15 from 0330-0730 UTC in area bounded by			
	(a) 20-11.31N	086-45.65E	(b) 21-28.65N	087-13.68E
	(c) 21-25.44N	088-58.03E	(d) 20-01.81N	089-00.68E
	(e) 18-49.23N	087-50.42E		
2.	No over flight and shipping permitted in danger zone.			
3.	Cancel this MSG 060830 UTC Apr 15.			
<b>243.</b>	<b>Andaman Sea – off Nicobar.</b> Charts 41 407 408 409 471 472 INT 71. Experimental flight trial scheduled from Car Nicobar daily from 09 -11 Apr 15 from 0630-1030 UTC in area bounded by			
	(a) 09-01.30N	092-27.03E	(b) 09-22.98N	093-03.40E
	(c) 08-51.28N	094-17.75E	(d) 08-14.15N	094-26.08E
	(e) 07-31.20N	094-01.53E	(f) 07-13.73N	093-16.53E
	(g) 08-04.52N	093-38.18E	(h) 08-32.05N	093-38.52E
	(j) 08-45.23N	093-22.32E		
2.	No over flight and shipping permitted in danger area.			
3.	Cancel this MSG 111130 UTC Apr 15.			

244.	<b>Cancel NAVAREA VIII 217/15. Bay of Bengal – off Myanmar.</b> Charts 322 323 371 INT 71. Naval exercise scheduled till 10 Apr 15 in area bounded by (a) 19-30N 092-15E (b) 19-30N 093-15E (c) 18-30N 093-15E (d) 18-30N 092-15E 2. Unauthorized navigation / anchoring / trawling prohibited within 5 NM from exercise area. 3. Cancel this MSG 110001 UTC Apr 15.
245.	<b>India East Coast - Gulf of Mannar.</b> Charts 32 222 224 262 INT 71 INT 706. Firing practice by CG aircraft scheduled from 04-10 Apr 15 from 0130 - 1130 UTC in area bounded by (a) 08-25N 078-25E (b) 08-40N 078-45E (c) 08-35N 078-30E 2. Safe flying Ht 2000 M. 3. Cancel this MSG 101230 UTC Apr 15.
246.	<b>NAVAREA VIII warnings in force as on 03 Apr 2015</b> <b>2014 series</b> – 111 211 233 241 310 311 336 398 405 406 415 438 439 467 476 555 586 614 654 676 <b>2015 series</b> – 025 030 055 081 099 114 122 124 133 143 154 160 161 164 169 178 183 186 187 194 205 206 207 208 215 224 225 229 232 235 236 238 239 240 241 242 243 244 245 246 (a) NAVAREA VIII warnings less than 42 days old (133/15 onward) promulgated via SafetyNET. (b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available on <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a> . (c) Text of NAVAREA VIII warnings also printed in fortnightly Indian N to M. 2. Cancel this MSG 101003 UTC Apr 15.
247.	<b>India West Coast – Gulf of Khambhat.</b> Charts 21 207 254 292 INT 71. MV Ayman and DV Abdullah reported capsized in position 20-59N 071-41.2E. All 17 crew rescued.
248.	<b>Cancel NAVAREA VIII 240/15. Andaman Sea – off Nicobar.</b> Charts 41 407 408 409 472 INT 71 INT 706. Experimental firing scheduled from Car Nicobar daily from 09-10 Apr 15 from 0400-1030 UTC in area bounded by (a) 07-12N 093-16E (b) 07-16N 095-24E (c) 09-23N 095-24E (d) 09-23N 092-10E (e) 08-23N 092-54E 2. Safe flying Ht 18000 M. 3. Cancel this MSG 101130 UTC Apr 15.
249.	<b>Andaman Sea – South Andaman.</b> Charts 41 404 473 INT 706. Firing by CG aircraft scheduled daily from 13-16 Apr 15 from 0200-1000 UTC in area bounded by (a) 11-50N 093-20E (b) 11-50N 093-35E (c) 12-00N 093-20E (d) 12-00N 093-35E 2. Safe flying Ht 1550 M. 3. Cancel this MSG 161100 UTC Apr 15.
250.	<b>India West Coast – Goa.</b> Charts 22 214 257 293 INT 71. Aguda DGPS station will be off air on 08 Apr 15 from 0030-1230 UTC. 2. Cancel this MSG 081330 UTC Apr 15.
251.	<b>Cancel NAVAREA VIII 239/15. India West Coast – Arabian Sea.</b> Charts 22 293 INT 71. Firing by IN ships scheduled from 112230-121330, 122230-131330 UTC Apr 15 in area bounded by (a) 14-42N 072-30E (b) 14-00N 071-06E (c) 15-50N 070-00E (d) 17-10N 069-50E (e) 17-10N 071-20E 2. Safe flying Ht 5000 M. 3. No vessels permitted in danger area. 4. Cancel this MSG 131430 UTC Apr 15.
252.	<b>India East Coast – off Machilipatnam.</b> Charts 31 354 355 3026 INT 71 INT 706. Jaya Durga -1 progressing survey till 30 Apr 15 in area bounded by Area 1 (a) 16-19.59N 081-40.18E (b) 16-15.80N 082-05.63E (c) 16-30.58N 082-22.44E (d) 16-36.94N 082-27.96E (e) 16-40.92N 082-23.98E (f) 16-34.06N 082-18.52E (g) 16-23.63N 081-56.71E (h) 16-18.38N 081-43.14E (j) 16-17.38N 081-37.81E Area 2 (a) 15-27.06N 080-37.69E (b) 15-38.23N 081-00.08E (c) 15-43.56N 081-00.11E (d) 15-43.17N 080-49.15E (e) 15-48.14N 080-44.75E (f) 15-48.24N 080-37.74E 2. Wide berth requested. 3. Cancel this MSG 010001 May 15.

<b>253. Cancel NAVAREA viii 238/15 and 555/15 INTM 071 (07/15) refers and this MSG.</b>			
<b>254. Cancel NAVAREA VIII 229/15. India West Coast – Arabian Sea.</b> Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706 (.) rig list (.) correct at 071003 UTC Apr 15			
ABAN ICE	19-11.41N	071-16.66E	
BADRINATH	19-28.06N	071-53.40E	
CE THORNTON	21-03.00N	072-23.00E	
DISCOVERY-1	19-05.35N	072-06.89E	
DYNAMIC VISION	18-39.23N	070-58.86E	
ENERGY DRILLER	18-39.56N	072-06.00E	
FG MC CLINTOCK	19-13.43N	071-28.72E	
GREAT DRILLER CHAAYA	18-40.10N	072-13.58E	
GREATDRILL CHETNA	19-57.30N	071-14.47E	
GREATDRILL CHITRA	19-19.55N	072-00.81E	
HARVEY H WARD	19-36.73N	071-24.01E	
JINDAL STAR	19-08.72N	071-55.25E	
JT ANGEL	20-09.38N	071-49.42E	
KEDARNATH	20-15.31N	071-15.17E	
NOBLE ED HOLT	18-55.59N	072-02.48E	
RON TAPMEYAR	19-28.98N	071-19.63E NEW	
SAGAR GAURAV	19-12.67N	070-55.61E	
SAGAR SHAKTI	20-20.43N	071-15.41E	
SAGAR JYOTI	19-25.56N	071-17.81E	
SAGAR KIRAN	18-39.66N	072-13.33E	
SAGAR LAXMI	20-58.00N	071-33.00E	
SAGAR PRAGATI	20-58.00N	071-33.00E	
SAGAR UDAY	18-36.16N	071-01.64E	
SUNDOWNER VII	18-36.21N	072-13.99E	
TRIDENT II	18-29.41N	072-14.73E	
TRIDENT XII	19-07.35N	072-06.45E	
VICTORY DRILLER	19-06.08N	070-56.43E NEW	
VIRTUE-I	19-22.29N	071-03.63E	
VALIANT DRILLER	19-25.36N	071-19.57E	
2.	Wide berth requested.		
<b>255. India West Coast – Mumbai Harbour.</b> Charts 21 211 255 293 2016 INT 71. Following reported by MPT			
<u>Buoys</u>	<u>Position</u>	<u>Status</u>	
N5	18-50.06N 72-44.22E	Not in position since 14 Feb 15	
N7	18-50.19N 72-46.33E	Unlit	
N12	18-51.49N 72-48.82e	Unlit	
<b>256. India West Coast – off Vengurla.</b> Charts 22 214 2043 2046 INT 71. IN ship will undertake hydrographic survey from 09-21 Apr 15 in area bounded within 15-33N to 15-54N and 073 -14E to 073-47E			
2.	Wide berth of 02 NM around ship requested.		
3.	Cancel this MSG 220001 Apr 15.		
<b>257. India West coast – Arabian Sea.</b> Charts 22 214 215 256 257 293 INT 71. Firing practice by IN ships scheduled from 112230-131030 Apr 15 in area bounded by			
(a) 16-13N	069-14E	(b) 17-34N	071-43E
(c) 15-08N	073-04E	(d) 13-45N	070-35E
2.	Safe flying Ht 5000 M.		
3.	Cancel this MSG 131130 UTC Apr 15.		
<b>258. India East Coast – off Pondicherry.</b> Charts 32 357 INT 71 INT 706. Sri Lankan FVSL Shalika 02 reported drifting NNW in position 11-53N 080-47E on 08 Apr 15 with 05 crew due engine failure.			
<b>259. India East Coast – off Nizampatnam.</b> Charts 31 32 355 INT 71 INT 706. Survey vessel Casandra 9 progressing geophysical and geotechnical survey till 30 Apr 15 in area bounded by			
(a) 15-39.61N	080-24.83E	(b) 15-28.20N	080-33.91E
(c) 15-31.85N	080-37.90E	(d) 15-24.98N	080-37.51E
(e) 15-32.04N	080-43.43E		
2.	Wide berth around vessel requested.		
3.	Cancel this MSG 010001 May 15.		

<b>260. India East Coast – off Chennai.</b> Charts 32 356 357 INT 71 INT 706. Research vessel Samudra Ratnakar progressing continental shelf survey till 25 Apr 15 in area bounded by		
(a) 12-55.76N	080-34.05E	(b) 12-55.55N 080-47.50E
(c) 13-14.73N	080-47.33E	(d) 13-19.85N 080-33.65E
2. Wide berth around vessel requested.		
3. Cancel this MSG 260001 Apr 15.		
<b>261. India East Coast – off Vishakhapatnam.</b> Charts 31 32 308 354 391 INT 71 INT 706. Drill ship Chikyu progressing national gas hydrate survey till 16 Jun 15 in area bounded by		
(a) 17-41.38N	084-19.04E	(b) 17-26.28N 084-25.71E
(c) 17-15.79N	084-08.41E	(d) 17-30.79N 084-02.75E
2. Wide berth around vessel requested.		
3. Cancel this MSG 170001 Jun 15.		
<b>262. Indian Ocean – Bay of Bengal.</b> Charts 31 353 3010 INT 71 INT 706. Experimental flight trial scheduled from ITR daily from 16-18 Apr 15 from 0300-0700 Utc in area bounded by		
(a) 20-48.34N	087-02.60E	(b) 18-12.34N 086-07.13E
(c) 02-40.66N	086-52.43E	(d) 02-44.39N 088-37.84E
(e) 02-57.95N	090-22.46E	(f) 18-24.14N 088-30.46E
(g) 20-48.74N	087-07.42E	
2. No over flight and shipping permitted in danger zone.		
3. Cancel this MSG 180800 UTC Apr 15.		
<b>263. Cancel NAVAREA VIII 241/14 and this MSG.</b>		
<b>264. Cancel NAVAREA VIII 207/15. India East Coast – Bay of Bengal.</b> Charts 31 32 33 354 355 357 391 INT 706. Rig list correct at 101001 UTC Apr 15		
ABAN II	16-39.14N	082-22.72E
ACTINIA	16-16.26N	082-11.48E NEW
DEEP SEA MATDRILL	16-24.53N	082-02.93E
DSR DD KG-2	16-30.00N	082-33.30E NEW
PLATINUM EXPLORER	16-31.80N	082-29.60E
GSF-140	16-24.70N	082-23.30E
NOBLE DUCHESS	16-08.83N	081-40.92E
SAGAR VIJAY	16-32.72N	082-28.36E
SAGAR RATNA	16-22.04N	081-59.25E
2. Wide berth requested.		
<b>265. Cancel NAVAREA VIII 254/15/15. India West Coast – Arabian Sea.</b> Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list correct at 101002 UTC Apr 15		
ABAN ICE	19-11.41N	071-16.66E
ABAN III	19-22.07N	071-26.07E NEW
ABAN IV	19-25.23N	071-16.99E NEW
BADRINATH	19-28.06N	071-53.40E
CE THORNTON	21-03.00N	072-23.00E
DISCOVERY-1	19-05.35N	072-06.89E
DYNAMIC VISION	18-39.23N	070-58.86E
ENERGY DRILLER	18-39.56N	072-06.00E
FG MC CLINTOCK	19-13.43N	071-28.72E
GREAT DRILLER CHAAYA	18-40.10N	072-13.58E
GREATDRILL CHETNA	19-57.30N	071-14.47E
GREATDRILL CHITRA	19-19.55N	072-00.81E
HARVEY H WARD	19-36.73N	071-24.01E
JINDAL STAR	19-08.72N	071-55.25E
JT ANGEL	21-03.02N	072-21.89E NEW
KEDARNATH	20-15.31N	071-15.17E
NOBLE ED HOLT	18-55.59N	072-02.48E
PARAGON L-786	19-22.51N	071-21.80E NEW
RON TAPMEYAR	19-28.98N	071-19.63E
SAGAR GAURAV	20-58.00N	071-33.00E NEW
SAGAR SHAKTI	20-20.43N	071-15.41E
SAGAR JYOTI	19-25.56N	071-17.81E
SAGAR KIRAN	18-39.66N	072-13.33E
SAGAR LAXMI	20-58.00N	071-33.00E
SAGAR PRAGATI	20-58.00N	071-33.00E
SAGAR UDAY	18-36.16N	071-01.64E



265.	<b>Continued.</b> SUNDOWNER VII TRIDENT II TRIDENT XII VICTORY DRILLER VIRTUE-I VALIANT DRILLER	18-36.21N 18-29.41N 19-07.35N 19-06.08N 19-22.29N 19-25.36N	072-13.99E 072-14.73E 072-06.45E 070-56.43E 071-03.63E 071-19.57E
2.	Wide berth requested.		
266.	<b><u>NAVAREA VIII warnings in force as on 10 Apr 2015</u></b> <b><u>2014 series</u></b> – 111 211 233 241 310 311 336 398 405 406 415 438 439 467 476 586 614 654 676 <b><u>2015 series</u></b> – 025 030 055 081 099 114 122 124 133 143 154 160 161 164 178 183 194 205 206 208 215 224 225 232 235 236 243 244 247 249 251 252 255 256 257 258 259 260 261 262 264 265 (a) NAVAREA VIII warnings less than 42 days old (143/15 onward) promulgated via SafetyNET. (b) Text of NAVAREA VIII warnings in force including those which no longer broadcast available on <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a> . (c) Text of NAVAREA VIII warnings also printed in fortnightly Indian N to M.		
2.	Cancel this MSG 171003 UTC Apr 15.		
267.	<b>India West Coast – off Mumbai.</b> Charts 21 22 255 293 INT 71. IN will undertake duck drop and para jump exercise from 15 -16 Apr 15 in area bounded by Primary (a) 18-26N 071-43E (b) 18-26N 071-48E (c) 18-21N 071-43E (d) 18-21N 071-48E Secondary (a) 18-39N 071-39E (b) 18-39N 071-44E (c) 18-34N 071-39E (d) 18-34N 071-44E		
2.	No vessels permitted in exercise area.		
3.	Cancel this MSG 170001 UTC Apr 15.		
268.	<b>Andaman Sea – Nicobar Island.</b> Charts 41 471 INT 71. Refer NAVAREA 235/15. 02 M yellow cylindrical buoy with Fl Lt and radar reflector laid in position 06-31.1N 094-32.8E.		
2.	Wide berth of 01 NM around buoy requested.		
269.	<b>Andaman Sea – Nicobar Island.</b> Charts 41 408 409 471 472 INT 71. IN ship will undertake hydrographic survey in area bounded by Area 1- from 13-22 Apr 15 (a) 06-42N 093-38E (b) 07-02N 093-38E (c) 07-02N 094 -00E (d) 06-42N 094-00E Area 2- from 21 Apr-07 May 15 (a) 07-55N 093-23E (b) 08-08N 093-23E (c) 08-08N 093-39E (d) 07-55N 093-39E		
2.	Wide berth of 02 / 01 NM around ship / survey boat requested.		
3.	Cancel this MSG 080001 UTC May 15.		
270.	<b>Andaman Sea – Car Nicobar.</b> Charts 41 407 4032 INT 71. Keating point DGPS working at very low power.		
271.	<b>Cancel NAVAREA VIII 235 258 268 /15 and this MSG.</b>		
272.	<b>India East Coast – Bay of Bengal.</b> Charts 31 32 33 356 391 INT 706. CG aircraft firing practice scheduled from 22-30 Apr 15 from 0130-1130 UTC in area bounded by (a) 13-30N 082-00E (b) 14-30N 082-00E (c) 14-30N 082-40E (d) 13-30N 082-40E		
2.	Safe flying Ht 2000 M.		
3.	Cancel this MSG 301230 UTC Apr 15.		
273.	<b>Bay of Bengal – off Sri Lanka.</b> Charts 23 226 264 INT 71. White and blue coloured fibre dinghy OFRP-0512 reported abandoned 7-8 NM SE of great basses due stormy weather 131100 UTC Apr 15.		
2.	Cancel this MSG 181002 UTC Apr 15.		

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

- NIL -

## SECTION – VII

### CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7097	- Martello Tower	20 10.08 S 57 28.32 E	Al Iso WG 4s	24	10	White granite tower, black stripe 12	
D7097.1	- No 2	20 08.26 S 57 28.91 E	FI R 3s			□ on red beacon	
	- -	. .	Racon			*	ILRS Vol 2 Station 74260
D7097.13	- No 6	20 08.33 S 57 29.27 E	FI(2)R 7s			□ on red beacon	
D7097.14	- No 7	20 08.26 S 57 29.36 E	FI(2)R 6s			□ on red beacon	
D7097.15	- No 8	20 08.25 S 57 29.48 E	FI(2)R 7s			□ on red beacon	
D7097.16	-	20 08.56 S 57 28.84 E	Q R	3		Red □ on red beacon	
D7097.165	-	20 08.70 S 57 28.70 E	Q G	3		Green Δ on green beacon	
D7097.17	- No 1	20 08.46 S 57 28.86 E	FI G 3s			Δ on green beacon	
D7097.19	- No 3	20 08.50 S 57 29.04 E	Oc G 4s			Δ on green beacon	
D7097.21	- No 10	20 08.30 S 57 29.56 E	Oc W 15s			Red beacon	
D7097.23	- No 4	20 08.29 S 57 29.09 E	FI(3)R 10s			□ on red beacon	
D7097.27	- No 13	20 08.24 S 57 29.67 E	Oc W 4s			□ on red beacon	
D7097.29	- Container Terminal SW end. No 5	20 08.57 S 57 29.36 E	FI G				
D7097.31	- - NE end. No 12	20 08.41 S 57 29.63 E	FI R				
D7322	- Jazirat Fahl	23 40.83 N 58 30.04 E	FI W 15s	95	7	White Δ on metal framework tower 4	TE 2015
D7322.25	- Jazirat Fahl. Breakwater. Head	23 38.32 N 58 30.57 E	Iso G 2s	9	3	Metal post 3	TE 2015
D7364.399	- An Najwah al'Awdah. No 13	24 22.77 N 54 21.00 E	FI G 3s	. .	. .	Green beacon	
D7366.838	Deleted; remove from list						
D7367.82	- Ra's Al Aysh. Q2	24 10.41 N 53 07.65 E	FI R 3s	. .	. .	Red beacon	
D7367.83	- - Q1	24 10.41 N 53 07.63 E	FI G 3s	. .	. .	Green beacon	
D7367.84	- - Q4	24 10.33 N 53 07.66 E	FI R 3s	. .	. .	Red beacon	
D7367.85	- - Q3	24 10.32 N 53 07.64 E	FI G 3s	. .	. .	Green beacon	

## 7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7367.86	- - Q5	24 09.99 N 53 07.81 E	FI G 3s	..	..	Green beacon	
*	*	*	*	*	*	*	*
D7367.87	- - Q6	24 10.02 N 53 07.81 E	FI R 3s	..	..	Red beacon	
*	*	*	*	*	*	*	*
D7367.88	- - Q7	24 09.97 N 53 07.89 E	FI G 3s	..	..	Green beacon	
*	*	*	*	*	*	*	*
D7367.89	- - Q8	24 10.02 N 53 07.87 E	FI R 3s	..	..	Red beacon	
*	*	*	*	*	*	*	*
D7367.895	- - Q9	24 10.02 N 53 07.96 E	FI G 3s	..	..	Green beacon	
*	*	*	*	*	*	*	*
D7367.897	- - Q10	24 10.02 N 53 07.89 E	FI R 3s	..	..	Red beacon	
*	*	*	*	*	*	*	*
D7371.052	- Jabal Az Zannah. Breakwater	24 12.81 N 52 35.50 E	FI Y 5s				
*	*	*	*	*	*	*	*
D7371.054	- -	24 12.79 N 52 35.64 E	FI R 3s	..	..	Red beacon	
*	*	*	*	*	*	*	*
D7371.055	- -	24 12.99 N 52 35.75 E	FI R 3s	..	..	Red beacon	
*	*	*	*	*	*	*	*
D7371.056	- -	24 13.00 N 52 35.66 E	FI G 3s	..	..	Green beacon	
*	*	*	*	*	*	*	*

## **SECTION – VIII**

### **CORRECTION TO LIST OF RADIO SIGNALS**

#### **INP 31(1), 2014**

(Last correction: Edition No. 24 dated 15 Dec 2014)

#### COAST RADIO STATIONS

**PAGE 31, MAURITIUS, MAURITIUS MRCC, Contacts table, Row 4, column 2, email:**

*Delete entry and replace by:*



ncgpps.mpf@govmu.org  
opsnoghq@orange.mu

(Source: BA 14/15)

(08/15)

**PAGE 34, OMAN, PRE –ARRIVAL QUARANTINE REPORTING, Contacts table, Rows 2 & 3:**

*Delete and replace by:*

 Port of Salalah: +968 23 219500, Port Control: +968 23 219052 Sultan Qaboos: +968 24 714000 Port of Sohar: +968 26 852731 & 24 697830	 Port of Salalah: +968 23 219540 Sultan Qaboos: +968 24 714007 Port of Sohar: +968 24 697831
TELEX: Port of Salalah +56 7640 PORT SLL ON Port Sultan Qaboos +56 5233 PORT SULTAN QABOOS ON	e-mail: Port of Salalah: info@salalahport.com Port Sultan Qaboos: info@pscoman.com Port of Sohar: info@portofsohar.com

(Source: BA 14/15)

(08/15)

#### **INP 31(2), 2014**

(Last correction: Edition No. 05 dated 01 Mar 2015)

NIL

#### **INP 31(5), 2011**

(Last correction: Edition No. 22 dated 16 Nov 2014)

NIL

#### **INP 31(6), 2012**

(Last correction: Edition No. 06 dated 16 Mar 2015)

NIL

## **SECTION – IX**

### **REPORTING OF NAVIGATIONAL DANGERS**

#### **Appeal to all Mariners**

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office  
107-A, Rajpur Road,  
Dehradun - 248001  
(UTTARAKHAND), INDIA  
e-mail: - inho-navy@nic.in, msis-inho-navy@nic.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.nic.in

#### **Instructions for filling up IH 102**

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

#### **Position Reporting**

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/ Everest/ Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

#### **Depth Reporting**

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.



As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102 A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

*Please Note:* - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.

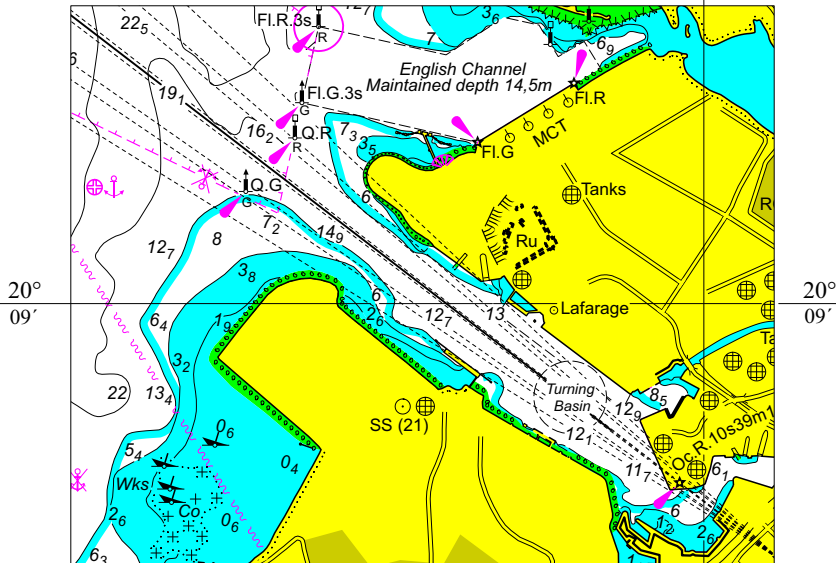


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude			Longitude	
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)				IH.102A (Revised 2012)	
Date				Ref. No.	
Name of the Ship or Sender					
Address					
Tel/Fax/E-mail					
<b>1. NAME OF PORT</b>					
Location		Latitude		Longitude	
<b>2. GENERAL REMARKS</b>					
Principal activities and trade					
Number of ships and tonnage handled per year					
Maximum size of draught of vessel handled					
Copy of Port handbook (if available)					
<b>3. ANCHORAGES</b>					
Type / Purpose					
Minimum depth at anchorage					
Shelter afforded					
Holding ground					
Recommended pilotage to the anchorage					
<b>4. PILOTAGE</b>					
Authority for request					
Embarkation position					
Regulations					
Documents to be provided					
Recommended pilotage to approach of Harbour and Berths					
Information on VTMS					
<b>5. DIRECTIONS</b>					
Entry and Berthing Information					
Tides (Height)					
Tidal Stream Information					
Wind Speed and Direction					
Navigational Aids (Beacons / Buoys / Lights / Etc.)					
<b>6. POLLUTION CONTROL</b>					
Local regulation in force (If Any)					
<b>7. TUGS</b>					
Number available / Tug type					
Maximum HP / Bollard pull					

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

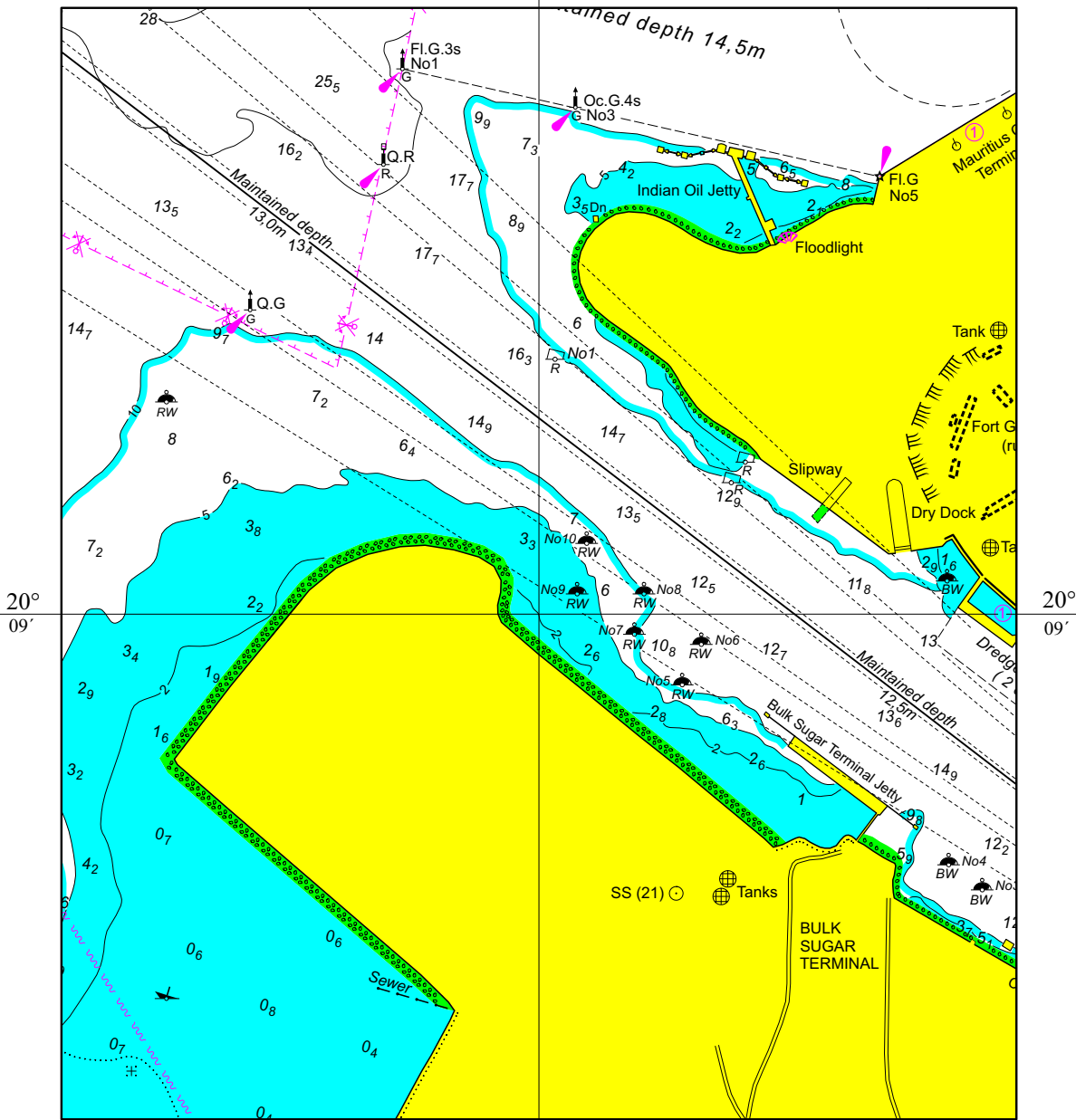
<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
<b>17. PORT AUTHORITY</b>	
Designation, Address, Telephone, E-mail Address and Website	
<b>18. SECURITY</b>	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
<b>19. SMALL CRAFT FACILITIES</b>	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
<b>20. SHORT LEAVE</b>	
<b>21. CLUBS RECREATION</b>	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
<b>22. VIEWS</b>	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
<b>23. ADDITIONAL DETAILS</b>	
Any other information considered to be useful for the mariners	
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b>	

$57^{\circ}30'$ 

*Block Correction for Chart No. 2514 (INT 7739)*

57°30'E







**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

**INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)**

**AFTN: VABBYXYC**