

# INDIAN NOTICES TO MARINERS

EDITION NO. 17 DATED 01 SEP 2016

(CONTAINS NOTICES 159 TO 168)



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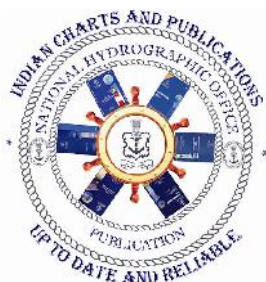
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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND  
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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 after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is 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 charts and publications. Failure to comply with the warning may invite legal action.**

### 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 some 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 edition 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>IN63033R</b>	<b>3033</b>	<b>KARAIKAL PORT</b>	<b>26-08-2016</b>
<b>IN53033K</b>	<b>3033</b>	<b>KARAIKAL ANCHORAGE</b>	<b>26-08-2016</b>

2. 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>IN63033R</b>	<b>3033</b>	<b>KARAIKAL PORT</b>	<b>11-07-2013</b>
<b>IN53033K</b>	<b>3033</b>	<b>KARAIKAL ANCHORAGE</b>	<b>01-07-2013</b>

3. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>2110</b>	<b>DAHEJ HARBOUR</b>	<b>12,500</b>	<b>New Edition</b>
<b>2075 (INT 7366)</b>	<b>APPROACHES TO TUTICORIN</b>	<b>60,000</b>	<b>New Chart</b>
	<b>TUTICORIN HARBOUR</b>	<b>25,000</b>	
<b>2123</b>	<b>ULWA CHANNEL</b>	<b>10,000</b>	<b>New Chart</b>
<b>2124</b>	<b>SALAYA CHANNEL</b>	<b>15,000</b>	<b>New Chart</b>
<b>2125</b>	<b>BHOGAT ANCHORAGE</b>	<b>25,000</b>	<b>New Chart</b>
<b>4001</b>	<b>ELPHINSTONE HARBOUR AND RANGAT BAY</b>	<b>27,500</b>	<b>New Chart</b>
<b>4005</b>	<b>NANCOWRY HARBOUR AND APPROACHES</b>	<b>12,500</b>	<b>New Edition</b>
<b>4017</b>	<b>EXPEDITION AND GRAND HARBOURS</b>	<b>12,500</b>	<b>New Edition</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:

<b>United Kingdom Hydrographic Office</b> 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.hydro.gov.uk">www.hydro.gov.uk</a>	<b>M/s Jeppesen Norway AS</b> Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: +47 51 464700 Mob: +91 93222 38542 Fax: +47 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>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad- 500 034 Tel: +91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>



**SECTION – I**

The list of charts affected by the Notices 159 to 168 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	166 (T)
22 (INT 752)	3	162, 163, 164, 166 (T)
23	1	166 (T)
31	5	168 (T)
32 (INT 754)	5	163, 164, 167 (T), 168 (T)
33	5	168 (T)
41 (INT 757)	6	168 (T)
208	2	160
210	2	161
214	3	166 (T)
217	3	162
218	3	162
220	3	163, 164
254 (INT 7331)	2	160, 161
257 (INT 7343)	3	166 (T)
258 (INT 7348)	3	162
259 (INT 7356)	3	163, 164
260 (INT 7362)	3	163
268 (INT 7353)	4	166 (T)
272	4	162
273	4	166 (T)
292 (INT 7021)	2	161, 166 (T)
293 (INT 7022)	3	166 (T)
355 (INT 7405)	5	167 (T)
356 (INT 7400)	5	168 (T)
357 (INT 7397)	5	168 (T)
391	5	167 (T), 168 (T)
404 (INT 7031)	6	168 (T)
405	6	168 (T)
409	6	165
472 (INT 7032)	6	168 (T)
2020	3	166 (T)
2022 (7345)	3	166 (T)
2025	3	162
2029 (INT 7358)	3	163
2039	2	160
2047	4	166 (T)
2082	2	160
3033	5	159
7703 (INT 703)	1	166 (T)
7705 (INT 705)	1	166 (T)
7706 (INT 706)	1	167 (T), 168 (T)

SECTION – II  
**PERMANENT NOTICES**

**\*159 (17/16) INDIA – EAST COAST – Karaikal Anchorage, Karaikal Port - Breakwater.**

Source: Karaikal Port Trust.

**Chart 3033** [previous update 032/15]

Insert	accompanying block showing amendments to Breakwater centered on:	10° 50′.35N., 79° 51′.20E.
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**Chart 3033 (PLAN)** [previous update 032/15]

Insert	accompanying block showing amendments to Breakwater centered on:	10° 50′.35N., 79° 51′.20E.
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**\*160 (17/16) INDIA – WEST COAST – Gulf of Khambhat – Approaches to Dahej – Foul.**

Source: VTS Khambhat.

**Chart 254 (INT 7331)** [previous update 123/16]

Insert	#	21° 41′.78N., 72° 27′.22E.
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**Chart 208** [previous update 123/16]

Insert	#	21° 41′.78N., 72° 27′.22E.
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**Chart 2039** [previous update 083/16]

Insert	#	21° 41′.77N., 72° 27′.24E.
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**Chart 2082** [previous update 126/16]

Insert	#	21° 41′.81N., 72° 27′.21E.
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**\*161 (17/16) INDIA – WEST COAST – Umargam to Satpati - Light.**

Source: NHO Dehradun.

**Chart 292 (INT 7021)** [previous update 131/16]

Delete	Fl.10M	19° 58′.50N., 72° 43′.00E.
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**Chart 254 (INT 7331)** [previous update 160/16]

Delete	Fl.5s13m10M	19° 58′.50N., 72° 43′.00E.
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**Chart 210** [previous update 164/15]

Delete	Fl.5s13m10M SS Strom	19° 58′.50N., 72° 43′.00E.
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**\*162 (17/16) INDIA – WEST COAST – Azhikkal Anchorage; Kasaragod Anchorage - Light.**

Source: DLL, Cochin.

**Chart 22 (INT 752)** [previous update 095/16]

Amend	range of light to, 20M	12° 30′.30N., 74° 58′.45E.
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**Chart 272** [previous update 136/16]

Amend	range of light to, 20M	12° 30′.30N., 74° 58′.45E.
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**Chart 258 (INT 7348)** [previous update 136/16]

Amend	light to, Fl(3)20s38m20M	(a) 12° 30′.30N., 74° 58′.45E.
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Delete	SS Strom	(a) above
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**\*162 (17/16) INDIA – WEST COAST – Azhikkal Anchorage; Kasaragod Anchorage - Light. Continued.****Chart 217** [previous update 132/16]

Amend	light to, Fl(3)20s38m20M	(a)	12° 30′.30N., 74° 58′.45E.
Delete	SS Strom		(a) above

**Chart 218** [previous update 136/16]

Amend	light to, Fl(3)20s38m20M	(a)	12° 30′.30N., 74° 58′.35E.
Delete	SS Strom		(a) above

**Chart 2025** [previous update 136/16]

Amend	light to, Fl(3)20s38m20M	(a)	12° 30′.25N., 74° 58′.44E.
Delete	SS Strom		(a) above

**\*163 (17/16) INDIA – WEST COAST – Approaches to Kochi - Lights.**

Source: DLL, Cochin.

**Chart 22 (INT 752)** [previous update 162/16]

Amend	range of light to, 20M	10° 46′.50N., 75° 55′.30E.
	range of light to, 19M	10° 33′.10N., 76° 01′.10E.
	range of light to, 19M	10° 12′.00N., 76° 09′.50E.
	range of light to, 18M	09° 44′.90N., 76° 17′.10E.

**Chart 32 (INT 754)** [previous update 199/15]

Amend	range of light to, 20M	10° 46′.50N., 75° 55′.30E.
	range of light to, 19M	10° 33′.10N., 76° 01′.10E.
	range of light to, 19M	10° 12′.00N., 76° 09′.50E.
	range of light to, 18M	09° 44′.90N., 76° 17′.10E.

**Chart 259 (INT 7356)** [previous update 062/16]

Amend	light to, Fl.15s34m20M	10° 46′.50N., 75° 55′.30E.
	light to, Fl(2)20s34m19M	10° 33′.10N., 76° 01′.10E.
	light to, Fl(3)20s34m19M	10° 12′.10N., 76° 09′.50E.
	light to, Fl(2)10s35m18M	09° 44′.90N., 76° 17′.15E.

**Chart 260 (INT 7362)** [previous update 062/16]

Amend	light to, Fl(2)10s35m18M	09° 44′.80N., 76° 17′.21E.
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**Chart 220** [previous update 062/16]

Amend	light to, Fl.15s34m20M	10° 46′.50N., 75° 55′.24E.
	light to, Fl(2)20s34m19M	10° 33′.10N., 76° 01′.10E.
	light to, Fl(3)20s34m19M	10° 12′.10N., 76° 09′.50E.
	light to, Fl(2)10s35m18M	09° 44′.80N., 76° 17′.21E.

**Chart 2029 (INT 7358)** [previous update NC 30 Jun 16]

Amend	light to, Fl(3)20s34m19M	10° 12′.20N., 76° 09′.47E.
	light to, Fl(2)10s35m18M	09° 44′.90N., 76° 17′.15E.



**\*164 (17/16) INDIA – WEST COAST – Tanur Nagaram to Manakkodam - Racon.**

Source: DLL, Cochin.

**Chart 22 (INT 752) [previous update 163/16]**

Insert  Racon (D) 10° 12'·00N., 76° 09'·50E

**Chart 32 (INT 754) [previous update 163/16]**

Insert  Racon (D) 10° 12'·00N., 76° 09'·50E

**Chart 259 (INT 7356) [previous update 163/16]**

Insert  Racon (D) 10° 12'·10N., 76° 09'·50E

**Chart 220 [previous update 163/16]**

Insert  Racon (D) 10° 12'·10N., 76° 09'·50E

**\*165 (17/16) Miscellaneous updates to charts.**

Source: NHO Dehradun.

Chart	Previous Updates	Details
409	156/16	Insert Chart No.4205 and Magenta limit as follows: 07° 51'·20N., 93° 20'·00E. (W Border) 07° 51'·20N., 93° 40'·00E. 08° 02'·00N., 93° 40'·00E. (N Border)
		Delete Chart No. 4017 and Magenta limit as follows: 08° 02'·00N., 93° 22'·75E. (N Border) 07° 54'·40N., 93° 22'·75E. 07° 54'·40N., 93° 39'·95E. 08° 02'·00N., 93° 39'·95E. (N Border)

## SECTION – III

### TEMPORARY AND PRELIMINARY NOTICES

**\*166 (T) (17/16) INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.**

Source: NIOT - Chennai.

1. Following yellow coloured data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:

Buoy No.	Position	Charts affected
AD02/ MB	14° 51' 88N., 68° 54' 87E.	7705 (INT 705)
*AD04/ MB	08° 29' 03N., 73° 05' 62E.	22 (INT 752), 23, 273
AD06/OB	18° 30' 88N., 67° 28' 28E.	21, 292 (INT 7021)
AD07/OB	14° 57' 97N., 68° 59' 37E.	7705 (INT 705)
AD08/ OB	11° 46' 10N., 68° 35' 80E.	7703 (INT 703), 7705 (INT 705)
AD09/ OB	08° 15' 20N., 73° 21' 00E.	22 (INT 752), 23, 273
AD10/ OB	10° 19' 07N., 72° 35' 32E.	22 (INT 752), 273, 268 (INT 7353)
CB02/ CB	10° 52' 43N., 72° 12' 53E.	22 (INT 752), 268 (INT 7353), 273, 2047
CB04/ CB	15° 24' 23N., 73° 46' 13E.	22 (INT 752), 293 (INT 7022), 257 (INT 7343), 214, 2022 (INT 7345), 2020
CALVAL/ MB	10° 36' 30N., 72° 13' 78E.	22 (INT 752), 273, 268 (INT 7353)
TB12/ TB	20° 20' 30N., 67° 32' 83E	21, 292 (INT 7021)
STB02/ TB	20° 48' 00N., 65° 25' 00E	21

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
3. All positions are in WGS 84 datum.
4. \* Indicates new/revised entry.

**Former INM 141(T)/16 is cancelled.**

**\*167 (T) (17/16) India – East Coast – Ramaypatnam to Sacramento Shoal – Survey Operation.**

Source: ODA Group, Visakhapatnam.

1. Seismic survey vessels Brahmaputra, Dolphin, Kohinoor – I and Ganesh will carry out 3D – OBC Seismic survey activities in below mentioned area till **31 Dec 16**:

**Block GS - 49 (KG - Basin)**

SI No	Position	SI No	Position
(i)	16° 20' 71N., 081° 39' 09E.	(viii)	16° 19' 97N., 082° 06' 79E.
(ii)	16° 19' 80N., 081° 43' 67E.	(ix)	16° 18' 63N., 082° 04' 50E.
(iii)	16° 22' 79N., 081° 50' 41E.	(x)	16° 16' 07N., 081° 56' 78E.
(iv)	16° 24' 33N., 081° 56' 82E.	(xi)	16° 14' 28N., 081° 49' 46E.
(v)	16° 29' 27N., 082° 06' 86E.	(xii)	16° 14' 92N., 081° 48' 88E.
(vi)	16° 26' 13N., 082° 04' 33E.	(xiii)	16° 15' 21N., 081° 47' 87E.
(vii)	16° 21' 74N., 082° 06' 78E.	(xiv)	16° 15' 23N., 081° 39' 06E.

2. The vessels will deploy 04 sea bottom seismic cables of length up to 16 KM with separation of 400 Mtr with direction 340 and all cables marked by buoys.
3. Vessels are requested to give a wide berth of 04 NM around the vessels and navigate with caution.

**Charts affected – 32 (INT 754) – 355 (INT 7405) – 391 – 7706 (INT 706).**

**\*168(T) (17/16) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.**

Source: NIOT - Chennai.

1. Following yellow coloured data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:

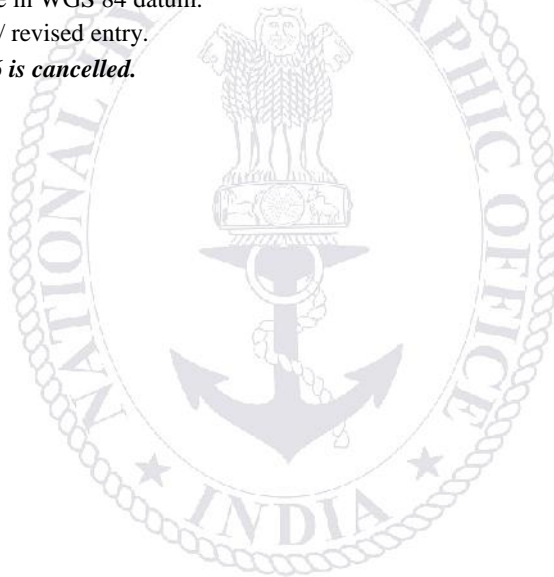
<b>Buoy No.</b>	<b>Position</b>	<b>Chart Affected</b>
BD08/ OB	18° 09′.95N., 89° 39′.12E	31
BD09/ OB	17° 50′.88N., 89° 40′.50E	31
BD10/ OB	16° 30′.02N., 87° 58′.80E	31
*BD11/ OB	13° 29′.12N., 84° 00′.07E	32 (INT 754),33,391
BD12/ OB	10° 29′.92N., 94° 01′.83E	33, 41(INT 757), 472 (INT 7032)
BD13/ OB	14° 00′.57N., 86° 58′.88E	31, 33
BD14/ OB	06° 35′.02N., 88° 14′.93E	33
CB 01/ CB	11° 35′.33N., 92° 35′.75E	33, 41 (INT 757), 404 (INT 7031), 405
*CB 06/ CB	13° 06′.35N., 80° 19′.06E	32 (INT 754), 33, 356 (INT 7400), 357 (INT 7397)
TB03/ TB	06° 19′.12N., 88° 36′.00E	33
TB05/ TB	10° 59′.68N., 89° 36′.37E	33
TB06/ TB	14° 43′.57N., 89° 35′.82E	31
TB09/ TB	17° 18′.32N., 89° 46′.77E	31
STB01/ TB	06° 15′.00N., 88° 48′.00E	33
STB03/ TB	03° 48′.60N., 91° 42′.00E	7706 (INT 706)
STB04/ TB	10° 00′.00N., 88° 30′.00E	33
STB05/ TB	13° 30′.00N., 89° 00′.00E	33

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.

3. All positions are in WGS 84 datum.

4. \* Indicates new/ revised entry.

**Former INM 144(T)/16 is cancelled.**



## **SECTION – IV**

### **MARINE INFORMATION**

#### **1. NAVTEX TRANSMISSION**

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mumbai - Temporarily Out of Operation

Chennai - Temporarily Out of Operation

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Operational

Following new Navtex stations along the Indian coast are operating on trial basis:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
<b>Sl.</b>	<b>Station Name</b>	<b>B1</b>	<b>Broad Cast Timings in UTC</b>					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

#### **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](mailto:indsar@vsnl.net), or [icgmrc\\_mumbai@mtnl.net](mailto:icgmrc_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.



## List of Indian Chart Agents

<b>M/s OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com	<b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmmain@md4.vsnl.net.in
<b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 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	<b>EW Liner Charts &amp; Publication (India)</b> 2/524, Sundeeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in
<b>M/s C &amp; C Marine Combine</b> 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	<b>Gujarat Pipavav Port Limited</b> PO – Ucchaliya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)
<b>M/s SVR Chart Agencies</b> Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam – 530 016 Tele Fax: 0891-2799471, Cell: +91 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	<b>M/s Jeppesen India Pvt. Ltd</b> 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
<b>M/s JM Maritime Services</b> 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	<b>M/s Global Marine Infratech Pvt. Ltd.</b> Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in
<b>Lift o Marine</b> Paper / Digital Charts Allen's Mansion, Flat C6 Nungi Station Road Kolkata – 700 140, IN Tel: +91 9836972027 / 8902228463 Fax: 033 24924283 Email: sankar@liftomarine.org Web: www.liftomarine.org	<b>M/s L. R. Marine Services</b> 301, 3rd Floor, Biryia 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
<b>M/s Engineering Logistics Executive Multi Services</b> Eloms Charts, Door No: 61-4-45-A/4, Prakash Nagar Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elomscharts.in Web: www.elomscharts.in	<b>M/s IIC Technologies Limited</b> 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
<b>M/s Aatash Computer &amp; Communications Pvt. Ltd.</b> 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	<b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani's Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com, nyvmane@yahoo.com Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a>

## **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 31 Aug 16:

**2015 SERIES** – 287 334 386 735

**2016 SERIES** – 064 371 387 420 432 439 445 459 464 467 470 471 474 475 483 488 494 507 508  
509 510 514 515 516 517 518

3. NAVAREA VIII Warnings issued during the period from 16 Aug to 31 Aug 16 (both dates inclusive) are as tabulated below:–

<b>485. India West Coast – Arabian Sea.</b> Charts 22 INT 71. SLFV Nirasha Duwa reported adrift 07-41N 071-37E at 0530 UTC Aug 16 due engine failure.
2. Cancel this MSG 180530 UTC Aug 16.
<b>486. India West Coast – Arabian Sea.</b> Charts 22 INT 71. RV MGS Sagar progressing geophysical survey till 31 Aug 16 in area bounded by 11-01.0N 070-30.6E, 09-23.3N 070-30.9E, 11-01.9N 069-34.7E.
2. Cancel this MSG 311830 UTC Aug 16.
<b>487. India East Coast.</b> Charts 31 INT 71. RCC NAIS Kolkata off for maintenance.
<b>488. India West Coast.</b> Charts 2048 INT 71. Muttam racon (08-07N 077-19E) inoperative.
<b>489. Cancel NAVAREA 400 and this MSG. INTM 157/16 refer.</b>
<b>490. India West Coast – Okha.</b> Charts 21 203 2068 INT 705. Firing by Naval Coast Battery scheduled on 22 Aug 16 from 0530-0730 UTC.
2. Danger area extending seaward upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E. Safe flying height 13 KM.
3. Cancel this MSG 220830 UTC Aug 16.
<b>491. India East Coast – S Bay of Bengal.</b> Charts 32 INT 71. SLFV Jayamadu - 4 reported adrift 06-04N 084-12E at 180300 UTC Aug 16 due engine failure.
2. Cancel this MSG 210300 UTC Aug 16.
<b>492. North Indian Ocean.</b> Charts 23 INT 71. SLFV Oshadi reported adrift 01-43N 081-32E 18 Aug 16 due engine failure.
2. Cancel this MSG 211830 UTC Aug 16.
<b>493. India East Coast – S Bay of Bengal.</b> Charts 33 INT 71. Abandoned fishing vessel reported adrift in position 06-04.3N 084-32.3E on 181720 UTC Aug 16.
2. Cancel this MSG 211720 UTC Aug 16.
<b>494. India West Coast – Gulf of Khambhat.</b> Charts 2039 INT 71. MV New Everest reported loss of anchor with cable in position 21-41.81N 072 -27.21E.
<b>495. Lakshadweep Sea - Minicoy.</b> Charts 2006 INT 71. DGPS (08-16N 073-02E) inoperative on 22 Aug 16 from 0130 – 1030 UTC.
2. Cancel this MSG 221130 UTC Aug 16.
<b>496. Cancel NAVAREA 487 and this MSG.</b>
<b>497. India East Coast – Off Gopalpur.</b> Charts 31 352 353 3005 INT 706.
2. Army air defence firing scheduled from 25-27 Aug 16 0130-0730 and 0830-1430 UTC in area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c. Safe flying height 6.1 KM.
3. BPTA flight scheduled from 25-27 Aug 0130-0730 and 0830-1430 UTC and 30 - 31 Aug 16 from 0030-1230 UTC in area bounded by 19-17.67N 084-55.21E, 19-10.75N 084-47.38E, 18-56.03N 084-52.64E, 19-12.33N 085-14.92E. Safe flying height 1.5 KM.
4. Cancel this MSG 311330 UTC Aug 16.
<b>498. Indian Ocean – Off Reunion Island.</b> Charts INT 70 71. Gunnery exercise scheduled from 230400 to 251600 UTC Aug 16 in area bounded by 21-12S 054-57E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E.
2. Cancel this MSG 251700 UTC Aug 16.
<b>499. NAVAREA VIII Warnings in Force as on 19 Aug 16.</b>
<b><u>2015 series</u></b> - 287 334 386 735
<b><u>2016 series</u></b> - 064 371 387 420 432 439 445 455 458 459 464 467 468 470 471 472 474 475 483 486 488 490 491 492 493 494 495 497 498
(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.

<b>499. Continued.</b>	(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a> .
2.	Cancel this MSG 261000 UTC Aug 16.
<b>500. Andaman Sea – Off Port Cornwallis.</b>	Charts 41 402 INT 71. Firing scheduled daily from 23 - 25 Aug 16 from 0400-1100 UTC in danger area bounded by 13-10N to 13-20N and 093-10E to 093-20E.
2.	Safe flying height 1.5 KM.
3.	Cancel this MSG 251200 UTC Aug 16.
<b>501. India East Coast- Chennai.</b>	Charts 313 3001 INT 71. Firing by Naval Coast Battery scheduled on 26 Aug 16 from 0530 - 0730 UTC.
2.	Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. Safe flying height 12.8 KM.
3.	Cancel this MSG 260830 UTC Aug 16.
<b>502. India West Coast – Goa.</b>	Charts 22 214 215 216 257 293 2020 2022 2078 INT 705 706. Firing by Naval Coast Battery scheduled on 26 Aug 16 from 0330 - 0630 UTC.
2.	Danger area bounded by 200 to 260 bearing from MPT building upto 10 NM seaward. Safe flying height 6.5 KM.
3.	Cancel this MSG 260730 UTC Aug 16.
<b>503. India East Coast – Central Bay of Bengal.</b>	Charts 32 356 INT 71. Experimental launch scheduled from Sriharikota (13-41.73N 080-14.08E) on 28 Aug 16 between 0030 - 0430 UTC.
2.	Danger zones enclosed within Zone – 1: Circle of 10 NM around launcher. Zone - 2: Sector of radii of 50 and 220 NM from launch pad between azimuth 70 and 100 . altitude 100 KM.
3.	Cancel this MSG 280530 UTC Aug 16.
<b>504. Cancel NAVAREA 468 and this MSG.</b>	
<b>505. North Indian Ocean.</b>	Chart INT 71. SLFV Sayani-01 reported adrift 00-20S 092-30E at 220510 UTC Aug 16 due engine failure.
2.	Cancel this MSG 250510 UTC Aug 16.
<b>506. Cancel NAVAREA 455 and this MSG.</b>	
<b>507. India West Coast – Off Bhatkal.</b>	Charts 257 INT 71. Fishing boat Amma reported submerged with mast visible in vicinity of 13-53.93N 074-11.86E.
<b>508. Bay of Bengal – Yangon River Approaches.</b>	Chart 41 4019 INT 71. MV Thura Phyto Kyaw Lin and MV Shwe Nila reported sunk near additional lower western buoy in position 16-24.008N 096-21.095E and 16-24.10N 096-20.96E. MV Thura Phyto Kyaw Lin marked by red conical buoy.
2.	Four cable clearance from additional lower western buoy advised.
<b>509. India East Coast – Central Bay of Bengal.</b>	Chart 32 INT 71. RV MGS Sagar progressing survey till 05 Oct 16 in areas bounded by 11-27.22N 083-31.35E, 11-18.37N 082-37.33E, 13-03.65N 082-37.27E, 13-03.35N 083-44.75E and 13-31.13N 083-48.43E, 13-03.35N 083-46.97E, 13-03.65N 082-37.07E, 14-59.50N 083-34.30E, 15-41.58N 083-37.73E.
2.	Cancel NAVAREA 486 and this MSG 051830 UTC Oct 16.
<b>510. NAVAREA VIII Warnings in force as on 26 Aug 16.</b>	
	<b>2015 series</b> - 287 334 386 735
	<b>2016 series</b> - 064 371 387 420 432 439 445 458 459 464 467 470 471 474 475 483 488 494 497 503 507 508 509
(a)	NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.
(b)	Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a> .
2.	Cancel this MSG 021000 UTC Sep 16.
<b>511. Indian Ocean.</b>	Chart INT 71. 2.5 m yellow buoy reported adrift in vicinity of 03-45.5N 091-47.7E. Caution advised.
2.	Cancel this MSG 291000 UTC Aug 16.
<b>512. North Indian Ocean.</b>	Charts 23 INT 71. SLFV Sandaruwani reported adrift 04-25N 083-30E at 271200 UTC Aug 16 due engine failure.
2.	Cancel this MSG 301200 UTC Aug 16.
<b>513. Lakshadweep Sea – Off Colombo.</b>	Charts 23 263 INT 71. Firing practice scheduled on 31 Aug 16 from 0230-0630 UTC in danger area bounded by 07-19N 079-10E, 07-16N 079-30E, 07-03N 079-10E, 07-06N 079-30E . Safe flying height 5 KM.
2.	Cancel this MSG 310730 UTC Aug 16.
<b>514. Bay Of Bengal – Off Bangladesh.</b>	Charts 31 351 360 361 371 INT 71. Firing by Naval Ships scheduled daily from 31 Aug to 30 Sep 16 from 2200-1700 UTC in areas bounded by AREA -A 21-20.83N 090-34.00E, 21-41.00N 091-14.00E, 21-20.83N 091-28.00E, 21-00.00N 090-47.83E AREA -B 20-46.00N 090-00.00E, 20-58.00N 090-17.00E, 20-40.00N 090-38.00E, 20-28.00N 090-22.00E

<b>514.</b>	<b>Continued.</b>	
	AREA -D	20-07.00N 090-52.00E, 20-22.00N 091-06.00E, 20-00.00N 091-36.00E, 19-44.00N 091-21.00E
	AREA -D1	20-22.00N 091-06.00E, 20-46.03N 091-31.00E, 20-24.00N 091-59.00E, 20-00.00N 091-36.00E
	AREA -E	21-18.00N 089-31.00E, 21-18.00N 089-50.00E, 21-04.00N 089-54.00E, 21- 04.00N 089-34.00E
	AREA -F	20-58.00N 089-34.00E, 20-58.00N 089-54.00E, 20-34.00N 089-54.00E, 20-34.00N 089-34.00E
2.	Safe flight height for area B, D and E 12 KM and area A, D - 1 and f 3 KM.	
3.	Cancel this MSG 301800 UTC Sep 16.	
<b>515.</b>	<b>India West Coast – Kochi.</b>	Charts 22 220 2029 INT 71. Firing by Naval Coast Battery scheduled on
	<b>DATE</b>	<b>TIME (UTC)</b>
	02 SEP 16	0900-1200
	06 SEP	0900-1200 AND 1230-1430
	09 SEP	0900-1200
	13 SEP	0900-1200
2.	Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. Safe flying height 10 KM.	
3.	Cancel this MSG 131300 UTC Sep 16.	
<b>516.</b>	<b>SW Bay Of Bengal.</b>	Charts 23 INT 71. SLFV JAYAPRARTHANA-06 reported adrift 06-26N 082-05E at 300630 UTC AUG 16 due engine failure.
2.	Cancel this MSG 020630 UTC Sep 16.	
<b>517.</b>	<b>India West Coast – Off Mumbai.</b>	Charts 21 255 INT 71. CS UMM AL Anber will undertake submarine cable repair using ROV till 14 Sep 16 from 18-58.6N 072-24.1E TO 18-56.8N 072-11.1E.
2.	Wide berth requested.	
3.	Cancel this MSG 141830 UTC Sep 16.	
<b>518.</b>	<b>North Indian Ocean.</b>	Chart INT 71. CS Leon Thevenin will undertake cable repairs 6 NM around 11-24.95S 068-06.50E from 01 Sep 16.
2.	Wide berth requested.	

**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
<b>F1202.58</b>	North Passange Island. Cape Portman	12 18.57 N 92 56.04 E	FI W 5s	29	13	. .	<b>TE 2014</b>
					*		
	BELAWAN CHANNEL						
<b>F1354</b>	- Approaches	03 51.78 N 98 44.09 E	FI G 3s	10	5	Green on green beacon	
		*		*		*	
<b>F1371</b>	- Pertamina Jetty. E end	03 47.46 N 98 42.67 E	Q W	2	4.5	Dolphin	
		*					
<b>F1376</b>	Kuala Tanjung. Approach	03 23.13 N 99 29.45 E	FI R 6s	10	5	Red □ on beacon 5	<i>fl 0.6.</i> Ra refl. <b>TE</b> ; Red □ <b>light buoy FI R 6s 5M</b> <b>in situ (T) 2010</b>
		*					

**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2014**

*(Last correction: Edition No. 13 dated 01Jul2016)*

**NIL**

**INP 31(2), 2014**

*(Last correction: Edition No. 16 dated 16 Aug2016)*

**NIL**

**INP 31(5), 2011**

*(Last correction: Edition No. 14 dated 16Jul2016)*

**NIL**

**INP 31(6), 2012**

*(Last correction: Edition No. 06 dated 16 Mar 2016)*

**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.gov.in, msis-inho@navy.gov.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.gov.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					

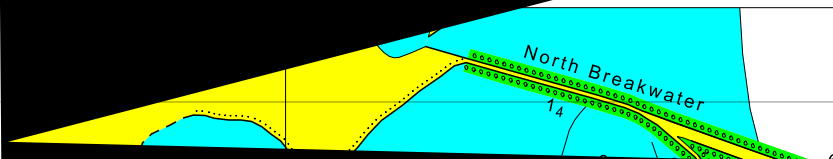


HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)				IH.102A (Revised 2012)	
Date				Ref. No.	
Name of the Ship or Sender					
Address					
Tel/Fax/E-mail					
<b>1. NAME OF PORT</b>					
Location		Latitude		Longitude	
<b>2. GENERAL REMARKS</b>					
Principal activities and trade					
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>	

Block correction for Chart No.3033 (Karaikal Anchorage) 79°52'



Fl.G.5s9 M

7<sub>2</sub>

Fl.G.5s9 M





**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**