



# INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2017

(CONTAINS NOTICES 031 TO 036)

**NATIONAL HYDROGRAPHIC OFFICE WISHES ALL MARINERS A HAPPY NEW YEAR 2017**

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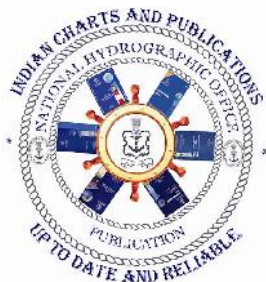
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

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

**FEEDBACK: [msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in)**



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 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 over loading 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 forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>2009</b>	<b>BETUL ANCHORAGE; BELEKERI ANCHORAGE</b>	<b>30,000</b>	<b>New Chart</b>
<b>2017</b>	<b>NAVLAKHI &amp; APPROACHES</b>	<b>25,000</b>	<b>New Edition</b>
<b>2018 (INT 7321)</b>	<b>APPROACHES TO KANDLA</b>	<b>37,500</b>	<b>New Chart</b>
<b>2059 (INT 7322)</b>	<b>KANDLA CREEK</b>	<b>15,000</b>	<b>New Edition</b>
	<b>KANDLA SOGAL CHANNEL</b>	<b>20,000</b>	
<b>2118</b>	<b>AZHIKKAL PORT</b>	<b>7,500</b>	<b>New Chart</b>
	<b>AZHIKKAL ANCHORAGE</b>	<b>37,500</b>	
<b>2119</b>	<b>BEYPORE PORT</b>	<b>7,500</b>	<b>New Chart</b>
	<b>BEYPORE ANCHORAGE</b>	<b>25,000</b>	
<b>3004 (INT 7403)</b>	<b>CHENNAI HARBOUR</b>	<b>15,000</b>	<b>New Edition</b>
<b>3013 (INT 7422)</b>	<b>HUGLI RIVER – HALDIA TO KUKRAHATTI REACH</b>	<b>37,500</b>	<b>New Chart</b>
<b>4010</b>	<b>DUGONG CREEK; HUT BAY</b>	<b>25,000</b>	<b>New Chart</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: www.hydro.gov.uk	<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: enc@jeppesen.com, info@c-map.co.no Website: www.jeppesen.com
<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: data@ecc.no Website: - www.primar.org	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com

## VI

### TEMPORARY AND PRELIMINARY NOTICES

*In Force 01 Jan 2017*

*(Former In Force List dated 01 Oct 2016 is cancelled)*

<b>Cancelled Notices</b>	
<b>Area</b>	<b>Notice No.</b>
1	445/06.
2	038/13, 120/15, 128/15, 183/15, 186/15, 076/15, 097/16, 178/16.
3	208/14, 038/16, 079/16, 108/16, 167/16, 180/16.
4	377/07.

#### 1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
152/15 2514		INDIAN OCEAN – MAURITIUS – Port Louis – Buoy.

#### 2. INDIA WEST COAST – INDIAN OCEAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
152/11 2081 – 2100		INDIA – WEST COAST – Pipavav Port – Dredging.
182/12	21 – 22 (INT 752) – 292 (INT 7021) – 2093	INDIA – ARABIAN SEA – Argo Floats.
065/14	23– 31– 33 – 7070(INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073(INT 73) – 7702 (INT 702) – 7703(INT 703) – 7706(INT 706) – 7707(INT 707) – 7708(INT 708)	INDIA OCEAN – Data Buoys.
099/14	21– 203 (INT 7319) – 2017	INDIA – WEST COAST – Gulf of Kachchh – Eastern Portion – Buoys.
042/15	22 (INT 752) – 214– 293 (INT 7022) – 2022 (INT 7345)	INDIA – WEST COAST – Approaches to Mormugao – Unlit Vessel.
066/15	271 – 251 (INT 7318) – 203 (INT 7319) – 2031 (INT 7326) – 2068 – 2013 (INT 7324)	INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Buoys.
087/15	273	INDIAN OCEAN – Kadmat Island to Ihavandiffulu Atoll – Buoy.
098/15	21– 208 – 209 – 254 (INT 7331) – 292 (INT 7021) – 2039– 2102	INDIA – WEST COAST– Bhavnagar Port – Anchorage.
109/15	2043 – 2042 – 2046	INDIA – WEST COAST – Vengurla Anchorage – Buoy.
121/15	21 – 22 – 292 – 293 – 255 – 211 – 2016	INDIA – WEST COAST – Inner Approaches to Mumbai – Foul.
127/15	2040	INDIA – WEST COAST – Porbandar Port – Jetty.
157/15	259 (INT 7356) – 260 (INT 7362) – 220 – 2029 (INT 7358) – 2004 (INT 7359).	INDIA – WEST COAST – Kochi Harbour – Buoy.
158/15	260 (INT 7362) – 261 – 222 – 223 – 2012	INDIA – WEST COAST – Vizhinjam Anchorage – Sea Cage Farm.
163/15	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2015 (INT 7337) – 2016 (INT 7336) – 2076 (INT 7338)	INDIA – WEST COAST – Mumbai Port – Buoys. Wreck.

## VII

### 2. INDIA WEST COAST – INDIAN OCEAN. (Continued).

035/16	22 – 272 – 258 (INT 7348) – 218 – 2025	INDIA – WEST COAST – Azhikkal Anchorage – Racon.
046/16	202 – 203 (INT 7319) – 2031 (INT 7326) – 2068	INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.
047/16	214 – 2022 (INT 7345) – 2078 (INT 7346)	INDIA – WEST COAST – Port of Mormugao – Dredging.
074/16	2079 (INT 7329) – 2106	INDIA – WEST COAST – Mundra Port – Construction Work.
075/16	2016 (INT 7336) – 2015 (INT 7337)	INDIA – WEST COAST – Port of Mumbai – Buoys.
098/16	21 – 22(INT752) – 292(INT7021) – 293(INT7022) – 272 – 257(INT7343) – 259(INT7356) – 214 – 221	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
099/16	21 – 22 – 292 (INT 7021) – 293 (INT 7022) – 254 (INT 7331) – 257 (INT) – 210 – 209 7343) – 214 – 2022 (INT 7345) – 2020.	INDIA – WEST COAST – RACON.
109/16	7070 (INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7701 (INT 701) – 8008.	INDIAN OCEAN – Maputo to Muqdisho – Oceanographic Moorings.
152/16	2008 (INT 7369) – 2010	INDIA – WEST COAST – Karwar Naval Harbour – Buoy.
153/16	2061 – 2099	INDIAN OCEAN – MALDIVES – Male’ Atoll – Sea Bridge.
166/16	21 – 22 (INT 752) – 23 – 292 (INT 7021) – 293 (INT 7022) – 273 – 268 (INT 7353) – 257 (INT 7343) – 214 – 2047 – 2022 (INT 7345) – 2020 – 7703 (INT 703) – 7705 (INT 705)	INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.
035/17	21 – 291 – 203 (INT 7319) – 2068 – 2079 – 2106	INDIA – WEST COAST – Gulf of Kachchh – Racon.

### 3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
237/10	406 – 4010	INDIA – ANDAMAN SEA – Little Andaman Islands – Hut Bay – Light.
094/12	33 – 41 (INT 757) – 402 – 403 – 404 (INT 7439) – 405 – 406 – 407 – 408 – 409 – 471 – 472 (INT 7032) – 473 (INT 7031) – 4016 – 4035	INDIA – ANDAMAN SEA – Fish Aggregating Devices.
183/12	31 – 32 (INT 754) – 33 – 354 (INT 7408)	INDIA – BAY OF BENGAL – Argo Floats.
212/12	3034	INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.
225/12	31 – 321 – 322 – 371 – 3020	BAY OF BENGAL – MYANMAR COAST – Combermere Bay to Cheduba Strait – Platform.
159/13	31 – 41 (INT757) – 409 – 471 – 472 – 4035 – 4039	INDIA – ANDAMAN SEA – Nicobar Island – Campbell Bay – Jetty.
195/13	352(INT7416) – 3005	INDIA – EAST COAST – Gopalpur Port – Breakwater. Wrecks. Onshore Installation.
068/15	31 – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411)	INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.

## VIII

### 3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR. (Continued).

185/15	408 – 409 – 472 – 4039 – 4182 – 4205	INDIA – Andaman Sea – Lights.
036/16	308 – 3002 (INT 7410) – 3012 (INT 7411)	INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.
078/16	31 – 32 (INT 754) – 33 – 391 – 356 (INT 7400) – 3034	INDIA – EAST COAST – Krishnapatnam Port – RACON.
100/16	31 – 391 – 354 (INT 7408) – 308	INDIA – EAST COAST – Outer Approaches to Vishakhapatnam – Light.
101/16	31 – 352 (INT 7416) – 3041 – 3010 (INT 7418)	INDIA – EAST COAST – Paradip Port – RACON.
112//16	31 – 32 (INT 754) – 33 – 308 – 352 (INT 7416) – 354 (INT 7408) – 355 (INT 7405) – 357 (INT 7397) – 391	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
113/16	31 – 32 (INT 754) – 354 (INT 7408) – 391 – 3009 (INT 7407)	INDIA – EAST COAST – Bay of Bengal – Kakinada – Deep Water Port.
121/16	31 – 32 (INT 754) – 391 – 356 (INT 7400)	INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.
168/16	31 – 32 (INT 754) – 33 – 356 (INT 7400) – 391 – 41 (INT 757) – 404 (INT 7439) – 405 – 472 (INT 7032) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.
179/16	32 (INT 754) – 357 (INT 7397) – 3003	INDIA – EAST COAST – Pudduherry Harbour – Data Buoy.
191/16	31 – 32 (INT 754) – 391 – 354 (INT 7408) – 355 (INT 7405)	INDIA – East Coast – Sacramento Shoal to Kalingapatnam – Survey Operation.
200/16	31 – 41 (INT 757) – 451	BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Preparis North Channel to Rangoon River – Drilling Operation.
036/17	409 – 4039	INDIA – ANDAMAN SEA – Light.

### 4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

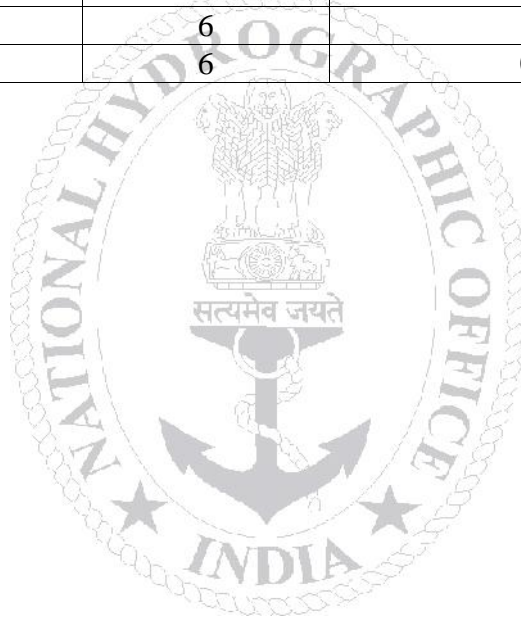
383/03	33 – 41 (INT 757)	INDONESIA – Sumatera – North and Northwest Coasts – Restricted area.
238/10	41 (INT 757) – 471	INDONESIA – Sumatera – North West Coast – Pulau Bunta – Lights.



**SECTION – I**

The list of charts affected by the Notices 031 to 036 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	033, 035 (T)
32 (INT 754)	5	034
33 (INT 755)	5	034
203 (INT 7319)	2	035 (T)
204	2	031
291	2	033, 035 (T)
358 (INT 7394)	1	034
409	6	036 (T)
2068	2	035 (T)
2079 (INT 7329)	2	035 (T)
2106	2	035 (T)
4002	6	032
4015	6	032
4016	6	032
4039	6	036 (T)



**SECTION – II****PERMANENT NOTICES****\*031 (01/17) INDIA – WEST COAST – Dwarka to Navibandar – Restricted Area.**

Source: Cairn India Limited.

**Chart 204** [previous update 177/16]

Insert	semi-circular limit of anchoring prohibited area ‘ <del>XXXX</del> ’ of radius 1800m centered on	21° 56’.01N., 69° 09’.87E.
	joining, from:	21° 56’.89N., 69° 10’.36E.
	to:	21° 56’.52N., 69° 10’.79E.
Delete	semi-circular limit of anchoring prohibited area ‘ <del>XXXX</del> ’ of radius 1000 centered on	21° 56’.01N., 69° 09’.87E.
	joining, from:	(a) 21° 56’.17N., 69° 10’.43E.
	to:	(b) 21° 56’.53N., 69° 10’.01E.
	limit of anchoring prohibited area ‘ <del>XXXX</del> ’,	(a) above 21° 56’.89N., 69° 10’.36E. and (b) above 21° 56’.52N., 69° 10’.79E.

**\*032 (01/17) INDIA – ANDAMAN SEA – Andaman Islands – Approaches to Port Meadows and Kotara Anchorage – Port Limit.**

Source: Ministry of Shipping.

**Chart 4015** [previous update 074/15]

Insert	Port limit, pecked li ne, joining	(a) 11° 56’.02N., 92° 47’.17E. 11° 56’.67N., 92° 59’.28E. 12° 08’.75N., 92° 57’.62E. 12° 11’.07N., 92° 56’.95E. 12° 11’.89N., 92° 56’.18E. (a) above
	Legend, “Limit of Port Meadow”, centered on:	11° 56’.80N., 92° 52’.58E. 12° 04’.50N., 92° 52’.00E. 12° 10’.15N., 92° 57’.15E.

**\*032 (01/17) INDIA – ANDAMAN SEA – Andaman Islands – Approaches to Port Meadows and Kotara Anchorage – Port Limit. Continued.**

**Chart 4016** [previous update 053/14]

Insert	Port limit, pecked line, joining	11° 59'.00N., 92° 48'.65E. (N Border)
		11° 56'.08N., 92° 46'.92E.
		11° 56'.75N., 92° 59'.16E.
	Legend, “Limit of Port Meadow”, centered on:	11° 56'.60N., 92° 53'.25E.

**Chart 4002** [previous update 169/16]

Insert	Port limit, pecked line, joining	12° 04'.25N., 92° 51'.71E. (E Border)
		11° 56'.03N., 92° 47'.16E.
		11° 56'.33N., 92° 51'.71E. (E Border)
	Legend, “Limit of Port Meadow”, centered on:	12° 01'.10N., 92° 50'.00E.
		11° 56'.20N., 92° 49'.00E.


**\*033 (01/17) ARABIAN SEA – Coast of India and Pakistan – Gwadar to Dwarka – Buoy.**

Source: BA Notice 4464/16.

**Chart 21** [previous update 131/16]

Insert	 Rep (2016)	22° 56'.00N., 64° 24'.20E.
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**Chart 291** [previous update 131/16]

Insert	 Rep (2016)	22° 56'.00N., 64° 24'.20E.
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**\*034 (01/17) INDIA AND SRILANKA – Approaches to Palk Bay – Lights.**

Source: BA Notice 4546/16.






**Chart 32 (INT 754)** [previous update 164/16]

Delete	 Fl.11M	09° 34'.10N., 79° 51'.10E.
	 Fl(2)10M	09° 16'.30N., 80° 49'.00E.

**Chart 33 (INT 755)** [previous update NC 31 May 2016]

Delete	 Fl(2)10M	09° 16'.30N., 80° 49'.00E.
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**Chart 358 (INT 7394)** [previous update 038/15]

Delete	 Oc.10s8m5M (occas)	09° 06'.75N., 79° 43'.60E.
	 F.8m5M (occas)	09° 31'.75N., 79° 43'.00E.
	 Fl.5s11M	09° 34'.10N., 79° 51'.10E.
	 Fl.R.5s11m11M	09° 42'.70N., 79° 50'.70E.
	 Fl(2)10s20m10M	09° 16'.30N., 80° 49'.00E.

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

**\*035 (T) (01/17) INDIA – WEST COAST – Gulf of Kachchh – RACON.**

Source: DLL Gandhidham.

1. Following lighthouse RACON is reported inoperative.

SI No.	Name	Position	RACON Code	Charts Affected
(a)	Navinal Island	22° 43′.88N., 69° 42′.37E.	‘C’	21 – 291 – 203 (INT 7319) – 2068 – 2079 (INT 7329) – 2106

2. Mariners are advised to contact local port authorities for more information.  
3. **Former INM 120(T)/15 is cancelled.**

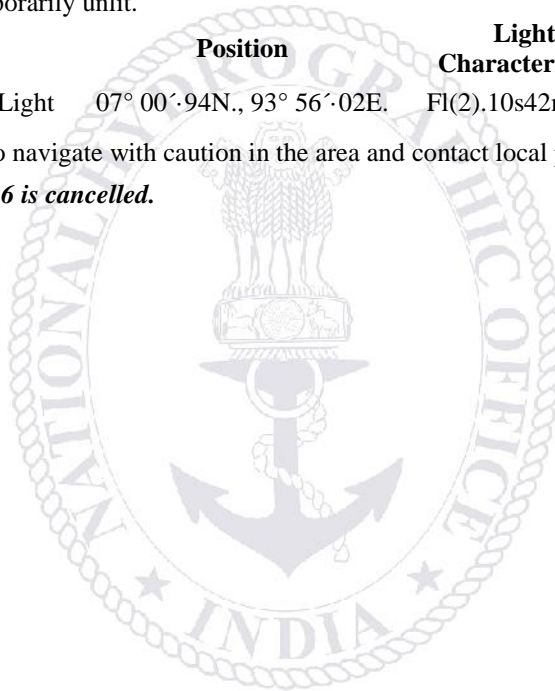
**\*036 (T) (01/17) INDIA – ANDAMAN SEA – Light.**

Source: DLL Port Blair.

1. Following light is temporarily unlit.

SI No.	Light	Position	Light Characteristics	Charts Affected
(a)	Koltapalm Light	07° 00′.94N., 93° 56′.02E.	Fl(2).10s42m10M	409 – 4039.

2. Mariners are advised to navigate with caution in the area and contact local port authorities for more details. .  
3. **Former INM 180(T)/16 is cancelled.**



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

### 1. **NAVTEX TRANSMISSION**

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

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

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, 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.

### 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.

#### **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

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><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: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>E.W.Liner Charts &amp; Publication (India)</b> 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a> Web: <a href="http://www.ewliner.com">www.ewliner.com</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a> , <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Uchchayia, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : <a href="mailto:mahalakshmitravels99@gmail.com">mahalakshmitravels99@gmail.com</a> <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: 022-6510 3668, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@smsmarine.co.in">info@smsmarine.co.in</a> , <a href="mailto:raj_chakravorty@yahoo.com">raj_chakravorty@yahoo.com</a> Web: <a href="http://www.smsmarine.co.in">www.smsmarine.co.in</a></p>
<p><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 : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>Global Marine Infratech Pvt. Ltd.</b> Ground Floor, Siksha Sandan, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a> Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biryra House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a> , <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: <a href="mailto:sales@elemscharts.in">sales@elemscharts.in</a> Web: <a href="http://www.elemscharts.in">www.elemscharts.in</a></p>	<p><b>M/s IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@icitechnologies.com">somnath.marthi@icitechnologies.com</a> <a href="mailto:sanjeev.sharma@icitechnologies.com">sanjeev.sharma@icitechnologies.com</a> Web: <a href="http://www.icitechnologies.com">www.icitechnologies.com</a></p>
<p><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: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	

**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 Dec 16:

**2015 SERIES** – 287 334 386

**2016 SERIES** – 064 432 464 475 572 644 685 702 703 723 729 737 739 740 742 750 754 765 767  
769 770 779 780 781 786 787 790 799 800 801 802 803 804 805 806 807 808 809

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

<p><b>771. India West Coast – off Trivandrum.</b> Charts 22 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 21 Dec 16 from 0530-0730 UTC.</p> <p>2. Danger sector</p> <p>(a) Radius of 05 NM from Thumba between azimuth 190 and 300.</p> <p>(b) Radii of 45 and 75 NM from Thumba between azimuth 220 and 260.</p> <p>3. Cancel this MSG 210830 UTC Dec 16.</p>
<p><b>772. India East Coast – off Kakinada.</b> Charts 31 32 391 INT 71. Firing by naval ships scheduled 200630 to 201000 and 0730-1230 UTC on 21, 22 Dec 16 in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E.</p> <p>2. Cancel this MSG 221330 UTC Dec 16.</p>
<p><b>773. Bay of Bengal – off Talaimannar.</b> Charts 32 358 INT 71. Naval firing practice scheduled on 21 Dec 16 from 0230-0630 UTC in danger circle extending 5 NM from 08-56N 079-48E.</p> <p>2. Cancel this MSG 210730 UTC Dec 16.</p>
<p><b>774. India East Coast – Vishakhapatnam.</b> Charts 31 308 3002 INT 71. Firing by naval coast battery scheduled on 21 Dec 16 from 0630 - 1030 UTC in danger sector extending upto 15 NM between bearing 070 and 130 from 17-42N 083-18E</p> <p>2. Cancel this MSG 211130 UTC Dec 16.</p>
<p><b>775. India East Coast – off Puri to Balasore.</b> Charts 31 351 352 353 INT 71. Experimental flight trial scheduled from ITR on 20 and 21 Dec from 0330-0730 UTC in danger zone bounded by 21-19.71N 086-53.28E, 20-24.68N 087-13.73E, 19-18.57N 085-39.55E, 18-55.65N 086-00.15E, 20-55.02N 088-39.60E, 21-35.59N 087-10.70E and 22,23,24 Dec 16 from 0530-0930 UTC in danger zone bounded by 21-22.36N 086-55.59E, 21-13.92N 086-51.84E, 20-39.66N 087-22.32E, 20-52.38N 087-36.66E, 21-25.74N 087-05.16E, 21-22.88N 086-56.59E.</p> <p>2. Cancel this MSG 241030 UTC Dec 16.</p>
<p><b>776. India West Coast – Okha.</b> Charts 21 203 2068 INT 71. Firing by naval coast battery scheduled on 22 Dec 16 from 0530-0730 UTC.</p> <p>2. Danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E.</p> <p>3. Cancel this MSG 220830 UTC Dec 16.</p>
<p><b>777. NAVAREA VIII warnings in force as on 16 Dec 16.</b></p> <p><b><u>2015 Series</u></b> - 287 334 386</p> <p><b><u>2016 Series</u></b> - 064 432 464 474 475 572 644 685 694 702 703 710 716 721 723 729 733 735 737 739 740 742 747 748 750 754 760 764 765 766 767 768 769 770 771 772 773 774 775 776.</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>2. Cancel this MSG 231000 UTC Dec 16.</p>
<p><b>778. Bay of Bengal – off Batticaloa.</b> Charts 32 359 INT 71. Naval firing practice scheduled on 23 Dec 16 from 0330-1030 UTC in danger circle extending 5 NM from 07-16N 082-02E.</p> <p>2. Cancel this MSG 231130 UTC Dec 16.</p>
<p><b>779. Andaman Sea – Great Nicobar.</b> Chart 409 INT 71. Indira point Lt (06-45N 093-50E) and RACON inoperative.</p>
<p><b>780. Andaman Sea – off Rangoon River.</b> Chart 451 452 INT 71. Hydrographic survey in progress in vicinity of 16-12.7N 096-16.7E.</p> <p>2. Wide berth requested.</p>



<b>781. India West Coast – Gulf of Kachchh.</b> Charts 203 INT 71. Salaya channel buoys VLCC (22-36.20N 069-16.60E) drifted and Ranwara unlit. 2. Cancel NAVAREA VIII MSG 694.
<b>782. Andaman Sea – Nancowry Island.</b> Charts 408 INT 71. Cape Cannought Lt (07-56N 093-35E) unlit.
<b>783. Bay of Bengal – off Trincomalee.</b> Charts 359 3014 INT 71. Naval firing practice scheduled on 26 Dec 16 from 0330-1130 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 261230 UTC Dec 16.
<b>784. Bay of Bengal and Indian Ocean.</b> Charts 31 INT 70 71. Experimental flight trial scheduled from ITR on 26 and 27 Dec 16 from 0300 to 0700 UTC in danger zone bounded by 20-48.36N 087-02.58E, 19-03.39N 086-26.30E, 06-21.99S 087-05.29E, 06-16.38S 089-21.89E, 05-59.58S 091-37.54E, 19-11.29N 088-02.33E, 20-48.76N 087-07.40E and 15-24.17S 087-38.14E, 25-19.43S 088-26.10E, 25-10.82S 091-02.58E, 24-53.78S 093-37.96E, 14-59.66S 092-35.90E. 2. Cancel MSG 270800 UTC Dec 16.
<b>785. India West Coast – Off Mumbai ODA.</b> Charts 292 293 INT 71. Firing by naval ships scheduled on 27 Dec 16 from 0630-1430 UTC in danger area bounded by 18-22N 071-04E, 18-04N 071-38E, 17-38N 071-21E, 18-05N 070-40E. 2. Cancel this MSG on 271530 UTC Dec 16.
<b>786. India East Coast.</b> Charts 355 INT 706. Rig list correct at 221004 UTC Dec 16. ABAN ABRAHAM 16-11.42N 082-12.65E ABAN II 16-23.23N 082-01.41E DDKG 2 16-41.52N 082-42.73E DS MATDRILL 16-15.88N 081-41.93E NEW JACK BATES 16-15.28N 082-12.98E RIG 805 16-40.18N 082-25.72E SAGAR BHUSHAN 16-17.74N 082-11.03E SAGAR RATNA 16-20.43N 081-59.35E SAGAR VIJAY 16-19.41N 082-10.51E 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 735.
<b>787. India East Coast – off Paradip.</b> Charts 31 352 INT 71. INS Sandhayak progressing hydrographic survey in area bounded within 19-17.5N to 20-08.5N and 085-35.5E to 087-00.0E. 2. Wide berth from ship and survey boats requested. 3. Cancel this MSG 301830 UTC Dec 16.
<b>788. Bay of Bengal – off Trincomalee.</b> Charts 359 3014 INT 71. Naval firing practice scheduled on 27 and 28 Dec 16 from 0230-0630 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 280730 UTC Dec 16.
<b>789. India West Coast – off Netrani Island.</b> Charts 22 216 257 293 INT 71. Firing by Naval ships scheduled on 29 Dec 16 from 0030 to 1230 UTC in danger area bounded within 13-56.20N to 14-07.20N and 074-13.60E to 074-25.07E. 2. Cancel this MSG 291330 UTC Dec 16.
<b>790. Andaman Sea – Port Blair.</b> Chart 4012 INT 71. Sub bottom investigation in progress at southwest end of Haddo jetty. 2. Clearance of 400 metres from jetty end requested. 3. Cancel NAVAREA 716 and this MSG 311830 UTC Jan 17.
<b>791. Cancel NAVAREA VIII 474 and this MSG.</b>
<b>792. North Indian Ocean.</b> Charts 22 INT 71. SLFV Seya Baba reported adrift 00-20S 079-20E at 221230 UTC Dec 16. 2. Cancel this MSG 251230 UTC Dec 16.
<b>793. NAVAREA VIII Warnings in force as on 23 Dec 16.</b> <b>2015 Series</b> - 287 334 386 <b>2016 Series</b> - 064 432 464 475 572 644 685 702 703 710 721 723 729 733 737 739 740 742 750 754 764 765 766 767 769 770 775 779 780 781 782 783 784 785 786 787 788 789 790 791 792 (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.gov.in">www.hydrobharat.gov.in</a> . 2. Cancel this MSG 301000 UTC Dec 16.
<b>794. India West Coast – off Mumbai.</b> Charts 2016 INT 71. SCI Nalanda progressing diving ops 18-46N 072-29E. 2. Wide berth of 2 NM requested. 3. Cancel this MSG 301830 UTC Dec 16.
<b>795. Bay of Bengal – off Trincomalee.</b> Charts 359 3014 INT 71. Naval firing practice scheduled on 29 Dec 16 from 0330-1130 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 291230 UTC Dec 16.
<b>796. India East Coast – Chennai.</b> Charts 313 3001 3004 INT 71. Firing by Naval Coast Battery scheduled on 30 Dec 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. 3. Cancel this MSG 300830 UTC Dec 16.

<b>797.</b>	<b>Cancel NAVAREA VIII 784 and this MSG.</b>																						
<b>798.</b>	<b>Cancel NAVAREA VIII 710 782 and this MSG.</b>																						
<b>799.</b>	<b>India East Coast – Bay of Bengal And Ne Indian Ocean.</b> Charts 31 351 INT 71. Experimental flight trial scheduled from ITR from 020400-020800 and 060300-060700 UTC Jan 17 in danger zone bounded by 20-48.43N 087-00.57E, 18-12.37N 086-07.11E, 02-40.61N 087-05.29E, 02-44.41N 088-37.82E, 02-55.80N 090-09.74E, 18-24.16N 088-30.44E, 20-49.15N 087-09.37E. 2. Cancel this MSG 060800 UTC Jan 17.																						
<b>800.</b>	<b>India East Coast – off Sacramento Shoal.</b> Chart 355 INT 71. RV Polar Duchess progressing seismic survey in area bounded by 16-27.47N 082-16.96E, 16-26.02N 082-16.33E, 16-25.97N 082-20.32E, 16-24.56N 082-19.16E 16-24.49N 082-30.03E, 16-31.69N 082-29.95E, 16-32.80N 082-31.80E, 16-38.00N 082-28.09E, 16-36.04N 082-25.00E, 16-35.11N 082-23.85E, 16-32.63N 082-22.85E, 16-30.13N 082-21.09E. 2. Wide berth requested. 3. Cancel this MSG 201830 UTC Jan 17.																						
<b>801.</b>	<b>India East Coast – off Santhapalli.</b> Charts 308 353 INT 71. RV Samudra Kaustubh progressing survey in area bounded by 18-00.00N 083-49.91E, 18-07.85N 083-47.37E, 18-03.45N 083-45.90E, 18-00.00N 083-46.68E, 18-09.01N 083-49.92E, 18-05.61N 083-49.22E, 18-00.81N 083-47.83E. 2. Wide clearance requested. 3. Cancel this MSG 121830 UTC Jan 17.																						
<b>802.</b>	<b>India West Coast – Mumbai to Tapti Oda.</b> Charts 21 INT 71. SV Fugro mapper progressing survey in vicinity of 20-17N 071-16E, 18-28N 072-17E, 18-37N 071-52E, 18-52N 071-25E, 19-36N 071-53E, 19-06N 071-32E, 20-42N 072-12E, 18-52N 072-19E, 19-34N 071-20E, 18-37N 071-00E, 19-13N 072-06E, 18-53N 072-02E, 21-03N 072-25E. 2. Wide berth requested. 3. Cancel this MSG 281830 UTC Jan 17.																						
<b>803.</b>	<b>North Indian Ocean.</b> Chart INT 71. SLFV Jeewantha Putha reported adrift 01-43N 079-05E at 280330 UTC Dec 16 due broken rudder. 2. Cancel this MSG 310430 UTC Dec 16.																						
<b>804.</b>	<b>Andaman Sea – Cinque Island.</b> Charts 4016 INT 71. North Cinque Lt (11-20N 092-43E) unlit.																						
<b>805.</b>	<b>India West Coast – Kochi.</b> Charts 22 260 220 2029 INT 71. Firing by Naval Coast Battery scheduled on <table border="1"> <thead> <tr> <th>DATE</th> <th>TIME (UTC)</th> </tr> </thead> <tbody> <tr> <td>03 JAN 17</td> <td>0900-1200</td> </tr> <tr> <td>06 JAN</td> <td>0900-1200 AND 1230-1430</td> </tr> <tr> <td>10 JAN</td> <td>0900-1200</td> </tr> <tr> <td>13 JAN</td> <td>0900-1200</td> </tr> <tr> <td>16 JAN</td> <td>0330-0630</td> </tr> <tr> <td>17 JAN</td> <td>0900-1130</td> </tr> <tr> <td>20 JAN</td> <td>0900-1200 AND 1230-1430</td> </tr> <tr> <td>24 JAN</td> <td>0900-1200</td> </tr> <tr> <td>27JAN</td> <td>0900-1200</td> </tr> <tr> <td>31 JAN</td> <td>0900-1200</td> </tr> </tbody> </table> 2. Firing 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. 3. Cancel this MSG 311300 UTC Jan 17.	DATE	TIME (UTC)	03 JAN 17	0900-1200	06 JAN	0900-1200 AND 1230-1430	10 JAN	0900-1200	13 JAN	0900-1200	16 JAN	0330-0630	17 JAN	0900-1130	20 JAN	0900-1200 AND 1230-1430	24 JAN	0900-1200	27JAN	0900-1200	31 JAN	0900-1200
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24 JAN	0900-1200																						
27JAN	0900-1200																						
31 JAN	0900-1200																						
<b>806.</b>	<b>India East Coast – off Kakinada.</b> Charts 31 32 INT 71. Firing by Naval ships scheduled on 04 Jan 17 from 0130 – 0730 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. 2. Cancel this MSG 040830 UTC Jan 17.																						
<b>807.</b>	<b>India East Coast- Vishakhapatnam.</b> Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 04 Jan 17 from 0630 - 1030 UTC in danger sector extending upto 15 NM between bearing 070 and 130 from 17-42N 083-18E. 2. Cancel this MSG 041130 UTC Jan 17.																						
<b>808.</b>	<b>India West Coast – Mumbai Oda.</b> Charts 255 INT 7. MV Flamboyan progressing survey in area bounded by 19-38.1N 071-26.9E, 19-41.4N 072-04.5E, 19-06.6N 072-11.1E, 19-08.9N 072-01.2E, 19-25.4N 071-57.7E, 19-23.6N 071-32.1E. 2. Wide berth requested. 3. Cancel NAVAREA VIII 721 and this MSG 311830 UTC Jan 17.																						
<b>809.</b>	<b>NAVAREA VIII warnings in force as on 30 Dec 16.</b> <u>2015 series</u> - 287 334 386 <u>2016 series</u> - 064 432 464 475 572 644 685 702 703 723 729 737 739 740 742 750 754 765 767 769 770 779 780 781 786 790 799 800 801 802 803 804 805 806 807 808 (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.gov.in">www.hydrobharat.gov.in</a> . 2. Cancel this MSG 061000 UTC Jan 17.																						

**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
D7324.2	Al Musanah Fishery Harbour. NW Breakwater. Head	23 47.21 N 57 38.92 E	Fl G 6s	..	5	Green $\Delta$ on green beacon 3	*
D7324.25	Al Musanah Fishery Harbour. SW Breakwater. Head.	23 47.14 N 57 38.90 E	Fl R 6s	..	5	Red $\square$ on red beacon 3	*
D7573	KHALIJ AL KUWAYT. APPROACHES. JAZIRAT KUBBAR - Jazirat Kubbar	29 04.26 N 48 29.57 E	Fl(2)W 10s	28	18	White framework tower, black bands	<i>fl 0.2, ec 2.3, fl 0.2, ec 7.3.</i>
	--	..	Racon	..	..	..	ILRS Vol 2 Station 78110 *
F0706.5	Thottapally Harbour - N Breakwater	09 19.18 N 76 22.80 E	Fl(2)W 10s	15	15	White Gl trestle tower 15	*
F0756	Cheriyakara Island	10 02.35 N 72 17.08 E	Fl(2)W 20s	38	19	White metal column, red bands 30	W207°-199° (352°).
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79070 *
F0952.3	Isakapalle	14 43.81 N 80 06.02 E	Fl(2)W 10s	34	18	White round concrete tower, red stripes 30	*
F1056.4	Cox's Bazar	21 26.06 N 91 58.32 E	Fl W 15s	54	21	Orange dome on framework tower 7	<i>fl 0.7.</i> <b>TE 2016</b>
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79330 *
F1222.65	Nancowry Island. Cape Cannought	07 55.76 N 93 34.58 E	Fl(2)W 15s	22	10	Square masonry tower, black bands 12	<i>fl 0.5, ec 1, fl 0.5, ec 13</i> *
F1223.8	Menchal Island	07 23.73 N 93 46.13 E	Fl W 10s	47	10	Red and white metal framework tower 30	<i>fl 0.5</i> *
F1224	GREAT NICOBAR - Indira Point (Pygmalion Point)	06 45.33 N 93 49.67 E	Fl(2)W 20s	35	10	White round metal tower, red diagonal stripes 35	<i>fl 0.5, ec 1, fl 0.5, ec 18</i>
	--	..	Racon	..	..	..	ILRS Vol 2 Station 79620 <b>TD 2016</b>
F1684	SINGAPORE PORT. WEST JURONG CHANNEL - Sultan Shoal	01 14.38 N 103 38.88 E	Fl(2)W 15s	20	15	White round tower on 2- storey dwelling 21	<i>fl 0.2, ec 3.6, fl 0.2, ec 11.</i> <i>Ra refl.</i>
	--	..	Racon	..	..	..	ILRS Vol 2 Station 80260 <b>Reported TD (T) 2016</b>
	--	..	AIS	..	..	..	MMSI No 005631144 *

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

**INP 31(1), 2014**

(Last correction: Edition No. 23 dated 01 Dec 2016)

NIL

**INP 31(2), 2014**

(Last correction: Edition No. 24 dated 16 Dec 2016)

NIL

**INP 31(5), 2011**

(Last correction: Edition No. 23 dated 1 Dec 2016)

**PAGE 171, CHAPTER 10, DISTRESS, SEARCH AND RESCUE, ISRAEL**

Delete entry and replace by:

<b>ISRAEL</b>			
National SAR Agency: RCC HEFA (Haifa) Address: POB 806, Haifa 31007 Israel Tel: +972 4 8632073 +972 4 8632145 +972 4 8632075 +972 4 8632226 Fax: +972 4 8632117 +972 3 6849867 (Fax to mail) E-mail: rcc@mot.gov.il rcchaifa@gmail.com			
	Telephone +972	Fax +972	Others/Ship Earth stations
RCC BENGURIAN AIRPORT (Cospas-Sarsat SPOC)	3 9756215 3 9756216 3 9756217	3 9756219	AFTN LLBGYUDYX LLTAZRZX LLADYAYZ Email: fpl@iaa.gov.il
RCC HEFA (Haifa)	4 8632073 4 8632145 4 8632075 4 8632226	4 8632117 3 6849867 (Fax to mail)	Inmarsat C: +580 423594249 Inmarsat mini -M :+870 772577926 Email: rcc@mot.gov.il rcchaifa@gmail.com

(Source: BA 48/16)

(01/17)

**INP 31(6), 2012**

(Last correction: Edition No. 24 dated 16 Dec 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.

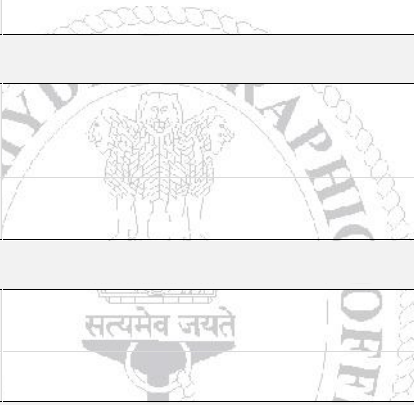
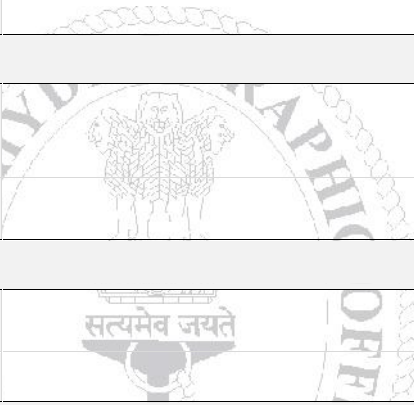


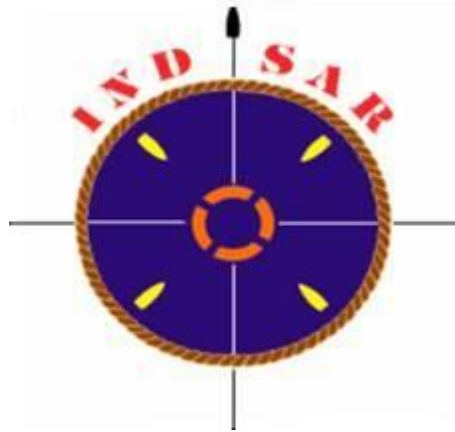
<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object 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					



<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (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>	



**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**