

INDIAN NOTICES TO MARINERS



EDITION NO. 24 DATED 16 DEC 2014

(CONTAINS NOTICES 201 TO 208)

REACH US 24 x 7



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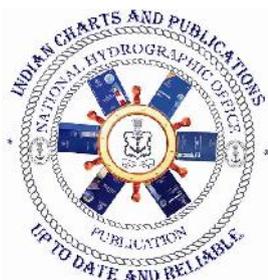
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

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

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

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

III

EXPLANATORY NOTES

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

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

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

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

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

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

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

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

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid 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 most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).

(b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.

(c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2514 (INT 7739)	15-12-2014	APPROACHES TO PORT LOUIS <u>Limits</u> 20° 13'.16S; 57° 21'.00E. 20° 00'.04S; 57° 53'.00E.	37,500	1	Rs. 1870.00
	15-12-2014	PORT LOUIS <u>Limits</u> 20° 10'.75S; 57° 27'.60E. 20° 06'.35S; 57° 30'.70E.	12,500	1	Rs. 1870.00
262 (INT 7365)	15-11-2014	CAPE COMORIN TO PAMBAN <u>Limits</u> 07° 44'.01N; 77° 14'.35E. 09° 30'.00N; 80° 00'.00E.	30,0000	4	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
2086	30-04-2012	APPROACHES TO PORT LOUIS; PORT LOUIS	2514	15-12-2014
262	15-12-1977	CAPE COMORIN TO PAMBAN	262	15-11-2014

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62514P	2514	PORT LOUIS	16-12-2014
IN52514A	2514	APPROACHES TO PORT LOUIS	16-12-2014

4. 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>
IN42008K	2008	KARWAR HARBOUR AND APPROACHES	15-12-2014

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN42008K	2008	KARWAR HARBOUR AND APPROACHES	19-08-2009

6. The forthcoming Indian Charts are as follows:-

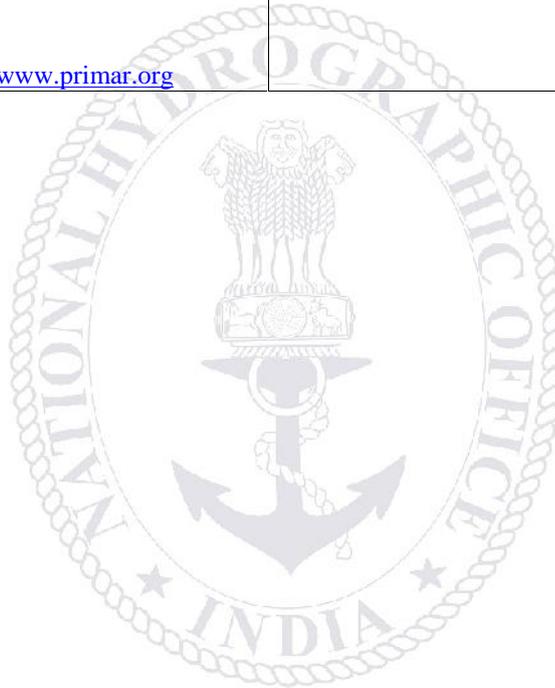
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2040	PORBANDAR ANCHORAGE	25,000	New Chart
	PORBANDAR PORT	10,000	
2520	APPROACHES TO DAR ES SALAAM	30,000	New Chart
3001 (INT 7402)	APPROACHES TO CHENNAI	60,000	New Chart
3010 (INT 7418)	PARADIP ANCHORAGE	25,000	New Chart
	PARADIP PORT	12,500	
4181	SOUTH BAY AND APPROACHES	25,000	New Chart
4182	CAMPBELL AND ANDERSON BAY	25,000	New Chart

VI

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:

<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>JEPPESEN MARINE Jeppesen Norway AS Hovalandsveien 52 P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: enc@jeppesen.com, info@c-map.co.no Website: www.jeppesen.com</p>
<p>M/s Primar 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</p>	



SECTION – I

The list of charts affected by the Notices 201 to 208 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	201, 202
22 (INT 752)	3	201
41 (INT 757)	6	208 (T)
208	2	201
209	2	201
210	2	201
211	3	201, 203
212	3	201
213	3	201
214	3	201
254 (INT 7331)	2	201
255 (INT 7334)	3	201, 202, 203
256 (INT 7340)	3	201
257 (INT 7343)	3	201
264	4	205
292 (INT 7021)	2	201, 202
293 (INT 7022)	3	201, 202
355 (INT 7405)	5	206
410	7	208 (T)
411	7	208 (T)
451	7	208 (T)
452	7	208 (T)
2020	3	201
2022 (INT 7345)	3	201
2026	2	201, 203
2028	3	201
2036 (INT 7352)	3	201
2038	3	201
2039	2	201
2041	3	201
2042	3	201
2043	3	201
2044	2	201
2046	3	201
2065	3	201
2067	1	205
2075 (INT 7366)	4	204
2082	2	201
2101	2	201
2103	3	201
2108	2	201
2110	2	201
4019	7	208 (T)
7707 (INT 707)	1	207

SECTION – II
PERMANENT NOTICES

***201/(24/14) INDIA – WEST COAST – Arabian Sea – Piram Island to Aguada – AIS.**

Source: DGLL.

Chart 21 [previous update 197/14]

Insert	 Fl.11M AIS	21° 39′.57N., 72° 32′.89E.
	 Fl.13M AIS	18° 32′.30N., 72° 54′.35E.
	 AIS, at light	20° 48′.70N., 72° 49′.80E.
		20° 11′.70N., 72° 45′.00E.
		19° 50′.80N., 72° 39′.42E.
		19° 16′.62N., 72° 46′.82E.
		18° 16′.83N., 72° 56′.16E.
		17° 33′.94N., 73° 08′.47E.
legend, “AIS”, at light		21° 35′.90N., 72° 21′.20E.
		21° 05′.53N., 72° 38′.54E.

Chart 22 (INT 752) [previous update 040/14]

Insert	 Fl.13M AIS	18° 32′.30N., 72° 54′.35E.
	 AIS, at light	19° 16′.62N., 72° 46′.82E.
		18° 16′.83N., 72° 56′.16E.
		17° 33′.94N., 73° 08′.47E.
		16° 36′.36N., 73° 19′.27E.
		16° 23′.25N., 73° 22′.37E.
		15° 51′.32N., 73° 36′.88E.
legend, “AIS”, at light		16° 59′.26N., 73° 16′.34E.
		15° 29′.52N., 73° 46′.36E.

Chart 292 (INT 7021) [previous update 197/14]

Insert	 AIS, at light	20° 48′.70N., 72° 49′.80E.
		19° 50′.80N., 72° 39′.42E.
		19° 16′.62N., 72° 46′.82E.
		18° 16′.83N., 72° 56′.16E.
legend, “AIS”, at light		21° 39′.57N., 72° 32′.89E.
		21° 35′.90N., 72° 21′.20E.
		21° 05′.53N., 72° 38′.54E.
		20° 11′.70N., 72° 45′.00E.
		18° 32′.30N., 72° 54′.35E.

201/(24/14) INDIA – WEST COAST – Arabian Sea – Piram Island to Aguada – AIS. Continued.*Chart 293 (INT 7022)** [previous update 196/14]

Insert	 AIS, at light	19° 16′.62N., 72° 46′.82E.
		18° 16′.83N., 72° 56′.16E.
		17° 33′.94N., 73° 08′.47E.
		16° 36′.36N., 73° 19′.27E.
		16° 23′.25N., 73° 22′.37E.
		15° 51′.32N., 73° 36′.88E.
	legend, “AIS”, at light	18° 32′.30N., 72° 54′.35E.
		16° 59′.26N., 73° 16′.34E.
		15° 29′.52N., 73° 46′.36E.

Chart 254 (INT 7331) [previous update 197/14]

Insert	 AIS, at light	20° 48′.70N., 72° 49′.80E.
		19° 50′.80N., 72° 39′.42E.
	legend, “AIS”, at light	21° 39′.57N., 72° 32′.89E.
		21° 35′.90N., 72° 21′.20E.
		21° 05′.53N., 72° 38′.54E.
		20° 11′.70N., 72° 45′.00E.

Chart 255 (INT 7334) [previous update NE 15 Aug 14]

Insert	 AIS, at light	19° 50′.80N., 72° 39′.42E.
		19° 16′.62N., 72° 46′.82E.
		18° 16′.83N., 72° 56′.16E.
	legend, “AIS”, at light	18° 32′.30N., 72° 54′.35E.

Chart 256 (INT 7340) [previous update 102/14]

Insert	 AIS, at light	18° 16′.83N., 72° 56′.16E.
		17° 33′.94N., 73° 08′.47E.
		16° 36′.36N., 73° 19′.27E.
		16° 23′.25N., 73° 22′.37E.
		15° 51′.32N., 73° 36′.88E.
	legend, “AIS”, at light	16° 59′.26N., 73° 16′.34E.

Chart 257 (INT 7343) [previous update 196/14]

Insert	 AIS, at light	15° 51′.32N., 73° 36′.88E.
	legend, “AIS”, at light	15° 29′.52N., 73° 46′.36E.

Chart 208 [previous update 197/14]

Insert	legend, “AIS”, at light	21° 39′.57N., 72° 32′.89E.
		21° 35′.90N., 72° 21′.20E.
		21° 05′.53N., 72° 38′.54E.

201/(24/14) INDIA – WEST COAST – Arabian Sea – Piram Island to Aguada – AIS. Continued.*Chart 210** [previous update 101/14]

Insert  AIS, at light 20° 11′.70N., 72° 45′.00E.
19° 50′.80N., 72° 39′.42E.

Chart 211 [previous update 140/14]

Insert  AIS, at light 19° 16′.62N., 72° 46′.82E.
18° 16′.83N., 72° 56′.16E.
legend, “AIS”, at light 18° 32′.30N., 72° 54′.35E.

Chart 212 [previous update 154/13]

Insert  AIS, at light 18° 16′.83N., 72° 56′.16E.
17° 33′.94N., 73° 08′.47E.
16° 59′.26N., 73° 16′.34E.

Chart 213 [previous update 159/14]

Insert  AIS, at light 16° 36′.36N., 73° 19′.27E.
16° 23′.25N., 73° 22′.37E.
15° 51′.32N., 73° 36′.88E.
legend, “AIS”, at light 16° 59′.26N., 73° 16′.34E.

Chart 214 [previous update 159/14]

Insert  AIS, at light 15° 51′.32N., 73° 36′.88E.
legend, “AIS”, at light 15° 29′.52N., 73° 46′.36E.

Chart 209 [previous update 136/14]

Insert  AIS, at light 20° 48′.70N., 72° 49′.80E.
20° 11′.70N., 72° 45′.00E.
legend, “AIS”, at light 21° 05′.53N., 72° 38′.54E.

Chart 2044 [previous update 197/14]

Insert legend, “AIS”, at light 21° 35′.90N., 72° 21′.20E.
21° 05′.53N., 72° 38′.54E.

Chart 2039 [previous update 188/14]

Insert legend, “AIS”, at light 21° 39′.57N., 72° 32′.89E.
21° 35′.90N., 72° 21′.20E.

Chart 2022 (INT 7345) [previous update 103/14]

Insert legend, “AIS”, at light 15° 29′.52N., 73° 46′.36E.

Chart 2028 [previous update 154/13]

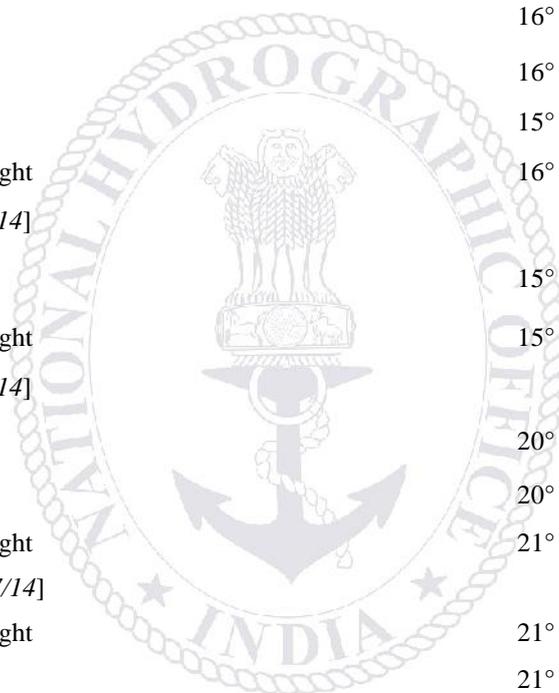
Insert legend, “AIS”, at light 16° 59′.26N., 73° 16′.34E.

Chart 2028 (Plan) [previous update 154/13]

Insert legend, “AIS”, at light 16° 59′.26N., 73° 16′.34E.

Chart 2043 [previous update 159/14]

Insert  AIS, at light 15° 51′.32N., 73° 36′.88E.



201/(24/14) INDIA – WEST COAST – Arabian Sea – Piram Island to Aguada – AIS. Continued.*Chart 2042** [previous update 203/13]

Insert  AIS, at light 15° 51′.32N., 73° 36′.88E.

Chart 2101 [previous update 128/14]

Insert legend, “AIS”, at light 21° 05′.53N., 72° 38′.54E.

Chart 2026 [previous update NE 30 Sep 10]

Insert legend, “AIS”, at light 18° 32′.30N., 72° 54′.35E.

Chart 2020 [previous update 103/14]

Insert legend, “AIS”, at light 15° 29′.52N., 73° 46′.36E.

Chart 2036 (INT 7352) [previous update 170/14]

Insert  AIS, at light 18° 16′.83N., 72° 56′.16E.

Chart 2038 [previous update NC 31 Oct 13]

Insert  AIS, at light 16° 36′.36N., 73° 19′.27E.

Chart 2041 [previous update 203/13]

Insert  AIS, at light 16° 23′.25N., 73° 22′.37E.

Chart 2046 [previous update 159/14]

Insert  AIS, at light 15° 51′.32N., 73° 36′.88E.

Chart 2082 [previous update NC 31 Jul 14]

legend, “AIS”, at light 21° 39′.57N., 72° 32′.89E.

Chart 2065 [previous update NC 30 May 13]

Insert  AIS, at light 17° 33′.94N., 73° 08′.47E.

Chart 2103 [previous update 170/14]

Insert  AIS, at light 18° 16′.83N., 72° 56′.16E.

Chart 2108 [previous update 147/14]

Insert legend, “AIS”, at light 21° 05′.53N., 72° 38′.54E.

Chart 2110 [previous update 138/14]

Insert legend, “AIS”, at light 21° 39′.57N., 72° 32′.89E.

***202(24/14) INDIA – WEST COAST – Approaches to Mumbai – FPSO.**

Source: FODAG

Chart 21 [previous update 201/14]

Insert  FPSO 19° 10′.62N., 70° 56′.74E.

Chart 292 (INT 7021) [previous update 201/14]

Insert  FPSO 19° 10′.62N., 70° 56′.74E.

Chart 293 (INT 7022) [previous update 201/14]

Insert  FPSO 19° 10′.62N., 70° 56′.74E.

Chart 255 (INT 7334) [previous update 201/14]

Insert  FPSO 19° 10′.62N., 70° 56′.74E.

***203(24/14) INDIA – WEST COAST – Revdanda Port – Wreck.**

Source: MRCC Mumbai

Chart 255 (INT 7334) [previous update 202/14]

Insert



18° 33′.50N., 72° 54′.50E.

Chart 211 [previous update 201/14]

Insert



18° 33′.50N., 72° 54′.50E.

Chart 2026 [previous update 201/14]

Insert



18° 33′.50N., 72° 54′.50E.

***204(24/14) INDIA – WEST COAST – Tuticorin Harbour – Light.**

Source: V.O. Chidambaranar Port Trust.

Chart 2075 (INT 7366) [previous update 113/14]

Amend

light to, Q.9m

08° 48′.11N., 78° 09′.62E.

light to, Q.14m

08° 48′.14N., 78° 09′.49E.

Chart 2075 (INT 7366) (Plan) [previous update 113/14]

Amend

light to, Q.9m

08° 48′.11N., 78° 09′.62E.

light to, Q.14m

08° 48′.14N., 78° 09′.49E.

***205(24/14) SRI LANKA – SW COAST – Approaches to Galle Harbour – Buoy.**

Source: Sri Lanka Port Authority.

Chart 264 [previous update 088/13]

Delete



06° 00′.48N., 80° 13′.17E.

Chart 2067 [previous update 468/08]

Delete



06° 00′.48N., 80° 13′.17E.

Chart 2067 (Plan) [previous update 468/08]

Delete



06° 00′.48N., 80° 13′.17E.

***206(24/14) INDIA – EAST COAST – Ramayapatnam to Sacramento Shoal – Buoy.**

Source: FODAG.

Chart 355 (INT 7405) [previous update 052/14]

Insert



16° 30′.41N., 82° 29′.64E.

207(24/14) INDIAN OCEAN – Maldives to Sumatera – Rocks.

Source: BA Notice 5112/14.

Chart 7707 (INT 707) [previous update 223/12]

Insert



00° 56′.40N., 98° 24′.00E.

00° 11′.70S., 99° 11′.00E.

00° 12′.40S., 98° 45′.50E.

00° 25′.20S., 98° 46′.10E.

SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***208 (T)/(24/14) Myanmar – Yangon River – Buoys.**

Source: Myanmar Hydrographic Department.

1. Eight Navigational buoys have been laid in the following positions to define navigable channel at western channel entrance, Yangon river.

Sl. No.	Buoy Name	Position	Characteristics
*(a)	Intermediate Buoy	16° 23′.600N., 96° 21′.100E.	Fl.G.4s
*(b)	Lower Spit Buoy	16° 24′.400N., 96° 21′.480E.	Fl.G.2s
(c)	Center Spit Buoy	16° 25′.461N., 96° 21′.985E.	Fl.G.3s
(d)	Upper Spit Buoy	16° 26′.600N., 96° 21′.650E.	Q.G
*(e)	Additional Lower Western Buoy	16° 24′.100N., 96° 20′.450E.	Fl.R.4s
*(f)	Lower Western Buoy	16° 24′.810N., 96° 21′.080E.	Fl.R.3s
(g)	Center Western Buoy	16° 25′.583N., 96° 21′.123E.	Fl.R.2s
*(h)	Additional Upper Western Buoy	16° 26′.400N., 96° 20′.580E.	Fl.R.2s

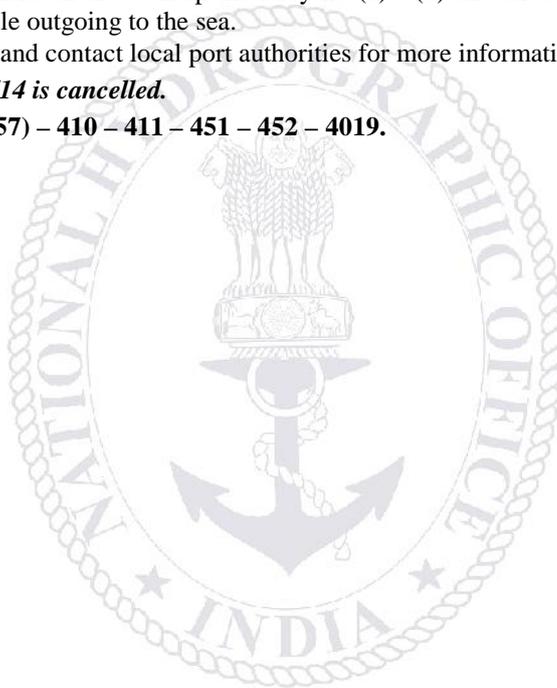
* Indicates new or revised entries.

2. Vessels entering the harbour are to keep the buoy no (a) - (d) on starboard side, and buoy no (e) - (h) on port side. It is to be vice versa while outgoing to the sea.

3. Mariners to take note and contact local port authorities for more information.

4. ***Former INM 195(T)/14 is cancelled.***

Chart Affected – 41 (INT 757) – 410 – 411 – 451 – 452 – 4019.



SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

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

(Source – DG Shipping)

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

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or 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, 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 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 (16th 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

4.2

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**

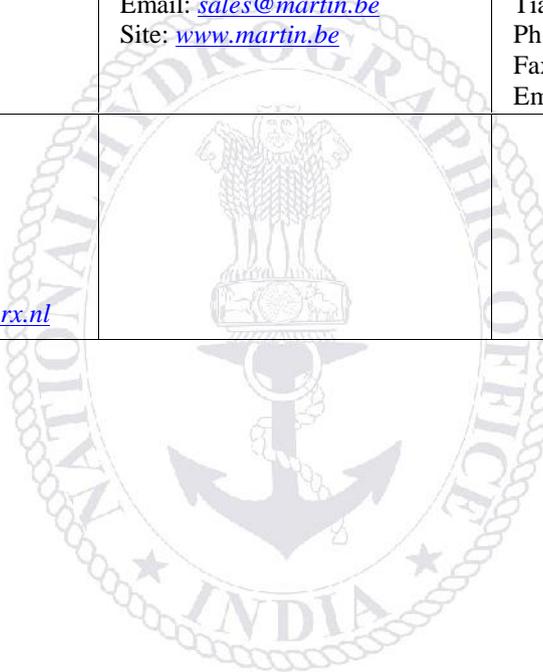
The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and 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 Thuarya, 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.

Distribution of Indian Paper Charts and Nautical Publications

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

<p>JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>	<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>
<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>	<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martincn.com</p>
<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>		

List of Indian Chart Agents.

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor 58, Dr. Sunderlal Bahl Path (Goa Street) Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380, Fax: 91-22-22621488 Email: sales@bogerdmartin.com , sarmarin@vsnl.com	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: ewsbom@bom3.vsnl.net.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelangarai, Chennai 600041 Land Mark - Nearby Suganya Kalyana Mandapam Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: raj_chakravorty@yahoo.com , info@c-map.co.in Website: www.c-map.co.in
M/s JM Maritime Services 24/24C Kavarana Building Ground Floor, Wadi Bunder P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com , pramod@inspireship.com
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungi Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924283, Cell: +91-8902228463 Email: sankar_roy342@yahoo.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in
Engineering Logistics Executive Multi Services Door No: 61-4-45-A/4 Prakash Nagar Malkapuram Visakhapatnam - 530 014 Mob: +91 9133362541/9966244818 Email: elemulti.services69@yahoo.com	M/s L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/+91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 059 Mob: +91 7926923982/83, Fax: +91 7926923984 Email: info@aatash.com , zubin@aatash.com	

SECTION – V
NAVAREA – VIII WARNINGS IN FORCE

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 13 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 15 Dec 14:

2013 SERIES – 035 197 228 506 547 662
2014 SERIES – 111 211 225 233 241 310 311 336 384 398 405 406 415 438 439 440 466 467 476 489 553 555 575 586 614 632 633 635 636 637 644 651 654 657 658 660 661 662 663 664 665 666 667

3. NAVAREA VIII Warnings issued during the period from 01 Dec to 15 Dec 14 (both dates inclusive) are as tabulated below: –

643. India West Coast – off Mumbai High. Charts 21 253 254 255 293 INT 71. MV Geo Caspian will progress seismic survey from 07 Dec 14 for 01 month in area bounded by (A) 19-21.00N 070-42.00E (B) 19-41.50N 070-42.00E (C) 19-55.00N 071-20.00E (D) 19-43.00N 071-20.00E (E) 19-33.00N 071-15.50E 2. Wide berth of 06 NM requested. 3. Cancel this MSG 080001 UTC Jan 15.
644. India West Coast – Okha. Charts 203 2013 2031 2068 INT 71. Samiyani Island north light house (F0389) temporarily unlit.
645. Cancel NAVAREA VIII 642/14 and this MSG.
646. Cancel NAVAREA VIII 620/14. India West Coast – Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 021004 UTC Dec 14 ABAN III 18-47.46N 071-59.99E ABAN ICE 18-35.95N 071-15.96E BADRINATH 21-36.81N 068-35.17E CE THROTON 18-30.06N 072-15.95E DISCOVERY-1 18-38.20N 071-00.93E DYNAMIC VISION 18-39.23N 070-58.86E ENERGY DRILLER 18-53.90N 071-28.70E FG MC CLINTOK 19-08.00N 071-52.08E GREAT DRILLER CHAAYA 19-57.74N 071-00.13E GREATDRILL CHETNA 19-57.16N 072-09.73E HARVEY H WARD 19-36.73N 071-24.01E NEW JINDAL STAR 18-54.75N 071-49.57E JT ANGEL 23-01.00N 068-39.97E KEDARNATH 23-01.68N 068-20.34E NOBLE ED HOLT 19-36.62N 071-22.90E RON TAPPEMEYER 19-20.38N 071-25.41E SAGAR GAURAV 19-12.67N 070-55.61E SAGAR SHAKTI 19-13.89N 072-08.37E SAGAR JYOTI 19-25.56N 071-17.81E SAGAR KIRAN 19-25.24N 071-16.99E SAGAR LAXMI 20-58.00N 071-33.00E SAGAR PRAGATI 20-58.00N 071-33.00E SAGAR UDAY 19-32.27N 071-24.08E SUNDOWNER VII 18-29.06N 072-15.15E TRIDENT II 18-29.42N 072-14.73E TRIDENT XII 19-07.35N 072-06.45E VICTORY DRILLER 19-27.56N 071-11.24E VIRTUE-I 19-28.70N 071-46.66E 2. Wide berth requested.
647. India West Coast – off Goa. Charts 22 214 215 216 257 293 2022 INT 705. Drop tank jettison trials scheduled from 0230 – 1030 UTC from 08 – 10 Dec 14. Danger zone bounded by (A) 15-09N 073-11E (B) 15-15N 073-29E (C) 14-20N 073-53E (D) 14-12N 073-38E 2. Cancel this MSG 101130 UTC Dec 14.

<p>648. India East Coast – Bay of Bengal. Charts 31 351 352 3017 INT 71 INT 706. Artillery rocket trials scheduled on 09 Dec from 0630 – 1030 UTC and 10 – 12 Dec 14 from 0530 – 0930 UTC. Danger zone bounded by</p> <table> <tr> <td>(A)</td> <td>21-25.49N</td> <td>087-00.17E</td> <td>(B)</td> <td>21-04.06N</td> <td>087-33.46E</td> </tr> <tr> <td>(C)</td> <td>20-54.20N</td> <td>087-23.52E</td> <td>(D)</td> <td>20-48.70N</td> <td>087-10.46E</td> </tr> </table> <p>2. No over flight and shipping permitted in danger zone. 3. Cancel this MSG 121030 UTC Dec 14.</p>	(A)	21-25.49N	087-00.17E	(B)	21-04.06N	087-33.46E	(C)	20-54.20N	087-23.52E	(D)	20-48.70N	087-10.46E																																																																								
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<p>649. Andaman Sea – South Andaman. Charts 41 404 473 INT 706. Firing by CG aircraft from 09 – 11 Dec from 0200 – 1000 UTC in area bounded by</p> <table> <tr> <td>(A)</td> <td>11-50N</td> <td>093-20E</td> <td>(B)</td> <td>11-50N</td> <td>093-35E</td> </tr> <tr> <td>(C)</td> <td>12-00N</td> <td>093-20E</td> <td>(D)</td> <td>12-00N</td> <td>093-35E</td> </tr> </table> <p>2. Safe flying height 2000 metres. 3. Cancel this MSG 111100 UTC Dec 14.</p>	(A)	11-50N	093-20E	(B)	11-50N	093-35E	(C)	12-00N	093-20E	(D)	12-00N	093-35E																																																																								
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<p>650. Indian Ocean – off Reunion Island. Charts INT 70 71 72 702. Naval gunnery exercise scheduled on 08 and 09 Dec from 0800 – 1700 UTC in area bounded by</p> <table> <tr> <td>(A)</td> <td>21-12.0S</td> <td>054-57.0E</td> <td>(B)</td> <td>21-26.0S</td> <td>055-02.5E</td> </tr> <tr> <td>(C)</td> <td>21-31.2S</td> <td>054-47.4E</td> <td>(D)</td> <td>21-17.2S</td> <td>054-42.0E</td> </tr> </table> <p>3. Cancel this MSG 091800 UTC Dec 14.</p>	(A)	21-12.0S	054-57.0E	(B)	21-26.0S	055-02.5E	(C)	21-31.2S	054-47.4E	(D)	21-17.2S	054-42.0E																																																																								
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<p>651. Cancel NAVAREA VIII 646/14. India West Coast – Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 051003 UTC Dec 14</p> <table> <tr> <td>ABAN III</td> <td>18-47.46N</td> <td>071-59.99E</td> </tr> <tr> <td>ABAN ICE</td> <td>18-35.95N</td> <td>071-15.96E</td> </tr> <tr> <td>BADRINATH</td> <td>21-36.81N</td> <td>068-35.17E</td> </tr> <tr> <td>CE THORNTON</td> <td>18-30.06N</td> <td>072-15.95E</td> </tr> <tr> <td>DISCOVERY-1</td> <td>18-38.20N</td> <td>071-00.93E</td> </tr> <tr> <td>DYNAMIC VISION</td> <td>18-39.23N</td> <td>070-58.86E</td> </tr> <tr> <td>ENERGY DRILLER</td> <td>18-53.26N</td> <td>071-28.70E</td> </tr> <tr> <td>FG MC CLINTOCK</td> <td>19-32.35N</td> <td>071-20.92E NEW</td> </tr> <tr> <td>GREAT DRILLER CHAAYA</td> <td>19-42.00N</td> <td>071-03.13E NEW</td> </tr> <tr> <td>GREATDRILL CHETNA</td> <td>19-57.16N</td> <td>072-09.73E</td> </tr> <tr> <td>HARVEY H WARD</td> <td>19-36.73N</td> <td>071-24.01E</td> </tr> <tr> <td>JINDAL STAR</td> <td>18-54.75N</td> <td>071-49.57E</td> </tr> <tr> <td>JT ANGEL</td> <td>20-09.38N</td> <td>071-49.42E NEW</td> </tr> <tr> <td>KEDARNATH</td> <td>23-01.68N</td> <td>068-20.34E</td> </tr> <tr> <td>NOBLE ED HOLT</td> <td>19-36.62N</td> <td>071-22.90E</td> </tr> <tr> <td>RON TAPMEYAR</td> <td>19-14.45N</td> <td>070-58.88E NEW</td> </tr> <tr> <td>SAGAR GAURAV</td> <td>19-12.67N</td> <td>070-55.61E</td> </tr> <tr> <td>SAGAR SHAKTI</td> <td>19-13.89N</td> <td>072-08.37E</td> </tr> <tr> <td>SAGAR JYOTI</td> <td>19-25.56N</td> <td>071-17.81E</td> </tr> <tr> <td>SAGAR KIRAN</td> <td>19-25.24N</td> <td>071-16.99E</td> </tr> <tr> <td>SAGAR LAXMI</td> <td>20-58.00N</td> <td>071-33.00E</td> </tr> <tr> <td>SAGAR PRAGATI</td> <td>20-58.00N</td> <td>071-33.00E</td> </tr> <tr> <td>SAGAR UDAY</td> <td>19-32.27N</td> <td>071-24.08E</td> </tr> <tr> <td>SUNDOWNER VII</td> <td>18-29.06N</td> <td>072-15.15E</td> </tr> <tr> <td>TRIDENT II</td> <td>18-29.42N</td> <td>072-14.73E</td> </tr> <tr> <td>TRIDENT XII</td> <td>19-07.35N</td> <td>072-06.45E</td> </tr> <tr> <td>VICTORY DRILLER</td> <td>19-27.56N</td> <td>071-11.24E</td> </tr> <tr> <td>VIRTUE-I</td> <td>19-28.70N</td> <td>071-46.66E</td> </tr> </table> <p>2. Wide berth requested.</p>	ABAN III	18-47.46N	071-59.99E	ABAN ICE	18-35.95N	071-15.96E	BADRINATH	21-36.81N	068-35.17E	CE THORNTON	18-30.06N	072-15.95E	DISCOVERY-1	18-38.20N	071-00.93E	DYNAMIC VISION	18-39.23N	070-58.86E	ENERGY DRILLER	18-53.26N	071-28.70E	FG MC CLINTOCK	19-32.35N	071-20.92E NEW	GREAT DRILLER CHAAYA	19-42.00N	071-03.13E NEW	GREATDRILL CHETNA	19-57.16N	072-09.73E	HARVEY H WARD	19-36.73N	071-24.01E	JINDAL STAR	18-54.75N	071-49.57E	JT ANGEL	20-09.38N	071-49.42E NEW	KEDARNATH	23-01.68N	068-20.34E	NOBLE ED HOLT	19-36.62N	071-22.90E	RON TAPMEYAR	19-14.45N	070-58.88E NEW	SAGAR GAURAV	19-12.67N	070-55.61E	SAGAR SHAKTI	19-13.89N	072-08.37E	SAGAR JYOTI	19-25.56N	071-17.81E	SAGAR KIRAN	19-25.24N	071-16.99E	SAGAR LAXMI	20-58.00N	071-33.00E	SAGAR PRAGATI	20-58.00N	071-33.00E	SAGAR UDAY	19-32.27N	071-24.08E	SUNDOWNER VII	18-29.06N	072-15.15E	TRIDENT II	18-29.42N	072-14.73E	TRIDENT XII	19-07.35N	072-06.45E	VICTORY DRILLER	19-27.56N	071-11.24E	VIRTUE-I	19-28.70N	071-46.66E
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TRIDENT XII	19-07.35N	072-06.45E																																																																																		
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VIRTUE-I	19-28.70N	071-46.66E																																																																																		
<p>652. Cancel NAVAREA VIII 616 639/14 and this MSG.</p>																																																																																				
<p>653. NAVAREA VIII – Warnings in force as on 05 Dec 2014 2013 series – 035 160 197 228 506 547 662 2014 series – 111 211 225 233 241 310 311 336 384 398 405 406 415 438 439 440 466 467 476 489 553 555 558 575 586 599 614 619 632 633 635 636 637 638 641 643 644 647 648 649 650 651 652</p> <p>(a) Text of NAVAREA VIII warnings in force including those which are no longer being broadcast are available on www.hydrobharat.nic.in. (b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to mariners.</p> <p>2. Cancel this MSG 121004 UTC Dec 14.</p>																																																																																				
<p>654. India West Coast – Gulf of Kutchh. Charts 21 2017 INT 71. Navalakhi light house racon off air.</p>																																																																																				
<p>655. Cancel NAVAREA VIII 558 619 /14 and this MSG. INM 200(T) /14 refers.</p>																																																																																				

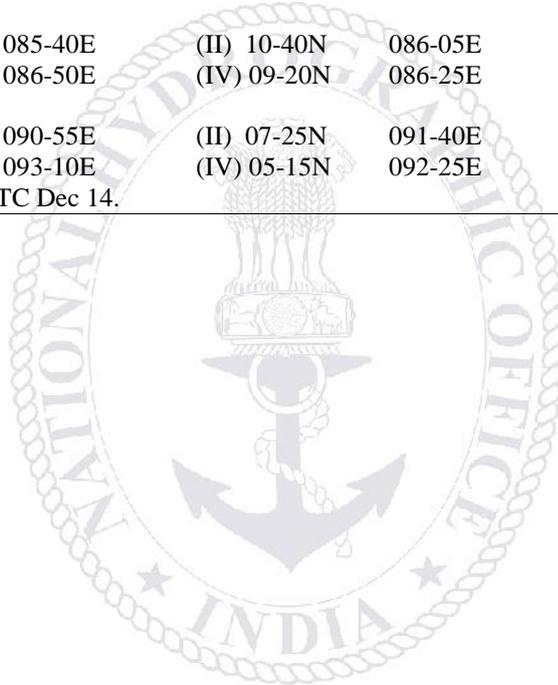
<p>656. India East Coast – off Kakinada. Charts 31 32 391 INT 71 INT 706. Naval ships will carry out Lakshya firing on 14 Dec from 0230 – 0730 UTC in area bounded by 15-30N 083-24E / 16-14N 084-00E / 15-34N 084-46E / 15-08N 084-24E.</p> <p>2. Safe flying height 8000 m.</p> <p>3. Cancel this MSG 1410830 UTC Dec 14.</p>																
<p>657. India West Coast – off Okha. Charts 21 251 252 271 291 INT 71. Firing from Kathiawar air to air range scheduled from 15–19 Dec from 0330 – 0930 UTC daily in area bounded by 22-18.54N 068-25.00E/ 22-06.04N 068-49.00E/ 21-30.79N 069-26.99E/ 21-09.04N 069-40.49E/ 21-30.54N 068-48.50E.</p> <p>2. No over flight and vessels permitted in area.</p> <p>3. Cancel this MSG 191030 UTC Dec 14.</p>																
<p>658. Indian Ocean – Gulf of Mannar. Charts 32 224 262 INT 71 INT 706. Firing practice by CG aircraft scheduled from 15 – 20 Dec from 0100 – 1230 UTC daily in area bounded by 08-25N 078-25E/ 08-40N 078-45E/ 08-35N 078-30E.</p> <p>2. Safe flying height 4000 m.</p> <p>3. Cancel this MSG 201330 UTC Dec 14.</p>																
<p>659. Cancel NAVAREA VIII 160/13 638/14 and this MSG.</p>																
<p>660. India East Coast – off Balasore. Charts 31 301 351 3011 INT 71 INT 706. Experimental flight trial scheduled from ITR launch on 16 Dec from 0530 – 0730 and 0830 – 1030 UTC and 17 Dec from 0530 – 0730 and 0830 – 1030 UTC and 18 Dec from 0530 – 0730 UTC in area bounded by</p> <table border="0"> <tr> <td>(A) 21-22.51N</td> <td>086-58.52E</td> <td>(B) 21-45.63N</td> <td>087-57.18E</td> </tr> <tr> <td>(C) 21-28.17N</td> <td>088-05.11E</td> <td>(D) 21-05.55N</td> <td>087-06.20E</td> </tr> </table> <p>2. No over flight and shipping permitted in danger zone.</p> <p>3. Cancel this MSG 180830 UTC Dec 14.</p>	(A) 21-22.51N	086-58.52E	(B) 21-45.63N	087-57.18E	(C) 21-28.17N	088-05.11E	(D) 21-05.55N	087-06.20E								
(A) 21-22.51N	086-58.52E	(B) 21-45.63N	087-57.18E													
(C) 21-28.17N	088-05.11E	(D) 21-05.55N	087-06.20E													
<p>661. India West Coast – Trivandrum. Charts 22 32 222 260 INT 71 INT 706. RH 200 rocket launch from Thumba (08-31.98N 076-52.05E) between 0530 to 0730 UTC on 17 Dec 14.</p> <p>2. Danger zones</p> <p>(a) Sector of radius 05 NM from launcher between azimuth 190 and 300.</p> <p>(b) Sector of radii 45 NM and 75 NM from launcher between azimuth 220 and 260.</p> <p>3. No over flight and shipping permitted in danger zone.</p> <p>4. Cancel this MSG 170830 UTC Dec 14.</p>																
<p>662. Andaman Sea – Myanmar waters. Charts 41 325 371 451 INT 71. Drilling campaign will be carried out Enesco 104 from 08 Dec 14 to 15 Mar 15 in area bounded by</p> <table border="0"> <tr> <td>(A) 15-48.33N</td> <td>093-54.68E</td> <td>(B) 15-44.48N</td> <td>093-54.67E</td> </tr> <tr> <td>(C) 15-44.48N</td> <td>093-58.63E</td> <td>(D) 15-48.32N</td> <td>093-58.65E</td> </tr> </table> <p>2. Unauthorized navigation, anchoring, fishing and trawling prohibited within 4 km from drilling area.</p> <p>3. Cancel this MSG 160001 UTC Mar 15.</p>	(A) 15-48.33N	093-54.68E	(B) 15-44.48N	093-54.67E	(C) 15-44.48N	093-58.63E	(D) 15-48.32N	093-58.65E								
(A) 15-48.33N	093-54.68E	(B) 15-44.48N	093-54.67E													
(C) 15-44.48N	093-58.63E	(D) 15-48.32N	093-58.65E													
<p>663. Andaman Sea – Myanmar waters. Charts 41 451 INT 71 INT 706. MV Mariner will progress geotechnical survey from 13 Dec to 13 Jan 15 in area bounded by</p> <p>Block M-3</p> <table border="0"> <tr> <td>A) 15-25.99N</td> <td>095-30.12E</td> <td>(B) 15-24.67N</td> <td>095-16.71E</td> </tr> </table> <p>Block M-9</p> <table border="0"> <tr> <td>(A) 14-12.08N</td> <td>095-48.53E</td> <td>(B) 14-14.36N</td> <td>096-09.57E</td> </tr> <tr> <td>(C) 14-09.19N</td> <td>096-05.16E</td> <td>(D) 14-15.08N</td> <td>095-56.28E</td> </tr> <tr> <td>(E) 14-10.35N</td> <td>096-04.65E</td> <td></td> <td></td> </tr> </table> <p>2. Unauthorized navigation, anchoring, fishing and trawling prohibited within 4 KM from survey area.</p> <p>3. Cancel this MSG 140001 UTC Jan 15.</p>	A) 15-25.99N	095-30.12E	(B) 15-24.67N	095-16.71E	(A) 14-12.08N	095-48.53E	(B) 14-14.36N	096-09.57E	(C) 14-09.19N	096-05.16E	(D) 14-15.08N	095-56.28E	(E) 14-10.35N	096-04.65E		
A) 15-25.99N	095-30.12E	(B) 15-24.67N	095-16.71E													
(A) 14-12.08N	095-48.53E	(B) 14-14.36N	096-09.57E													
(C) 14-09.19N	096-05.16E	(D) 14-15.08N	095-56.28E													
(E) 14-10.35N	096-04.65E															
<p>664. NAVAREA VIII – Warnings in force as on 12 Dec 2014</p> <p>2013 series – 035 197 228 506 547 662</p> <p>2014 series – 111 211 225 233 241 310 311 336 384 398 405 406 415 438 439 440 466 467 476 489 553 555 575 586 614 632 633 635 636 637 644 647 650 651 654 656 657 658 660 661 662 663</p> <p>(a) Text of NAVAREA VIII warnings in force including those which are no longer being broadcast are available on www.hydrobharat.nic.in.</p> <p>(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.</p> <p>2. Cancel this MSG 191005 UTC Dec 14.</p>																
<p>665. Indian Ocean – off Reunion Island. Charts INT 70 71 72 702. Naval gunnery exercise scheduled from 142000 – 150800 and 161400 – 171900 UTC Dec 14 in area bounded by</p> <table border="0"> <tr> <td>(A) 21-12.0S</td> <td>054-57.0E</td> <td>(B) 21-26.0S</td> <td>055-02.5E</td> </tr> <tr> <td>(C) 21-31.2S</td> <td>054-47.4E</td> <td>(D) 21-17.2S</td> <td>054-42.0E</td> </tr> </table> <p>3. Cancel this MSG 172000 UTC Dec 14.</p>	(A) 21-12.0S	054-57.0E	(B) 21-26.0S	055-02.5E	(C) 21-31.2S	054-47.4E	(D) 21-17.2S	054-42.0E								
(A) 21-12.0S	054-57.0E	(B) 21-26.0S	055-02.5E													
(C) 21-31.2S	054-47.4E	(D) 21-17.2S	054-42.0E													

- 666. India East Coast – Gopalpur.** Charts 31 352 353 391 3005 INT 706.
2. Army air defence firing scheduled from 162330 – 181730 and 212330 – 241730 UTC Dec 14 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 42 NM radius joining point (b) and (c).
 Safe flying height 24400 M.
 3. Basic pilotless target aircraft flight scheduled from 162330- 181730 and 212330-241730 UTC Dec 14 in area bounded by
 (a) 19-17.67N 084-55.21E (b) 19-10.75N 084-47.38E
 (c) 18-56.03N 084-52.64E (d) 19-12.33N 085-14.92E
 Safe flying height 1550 M.
 4. No over flight and vessels permitted in area.
 5. Cancel this MSG 241830 UTC Dec 14.
-
- 667. Indian Ocean – Bay of Bengal.** Charts 32 33 471 472 INT 71 INT 706. LVM3-X/CARE mission launch scheduled from 13-43.2N 080-13.8E on 18 Dec from 0330 to 0730 UTC Dec 14
2. Danger areas as follows
 - (a) **Danger Zone-1**
Circle of 10 NM around launcher
 - (b) **Danger Zone-2**

(I) 11-30N 083-00E	(II) 12-15N 083-30E
(III) 11-45N 084-15E	(IV) 11-00N 083-45E
 - (c) **Danger Zone - 3**

(I) 09-50N 085-40E	(II) 10-40N 086-05E
(III) 10-10N 086-50E	(IV) 09-20N 086-25E
 - (d) **Danger Zone - 4**

(I) 06-15N 090-55E	(II) 07-25N 091-40E
(III) 06-25N 093-10E	(IV) 05-15N 092-25E
 3. Cancel this MSG 180830 UTC Dec 14.



SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

- NIL -

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 23 dated 01 Dec 2014)

COAST RADIO STATIONS

PAGE 37, REUNION (France), LA REUNION (CROSS) MRCC, Contacts table, row 1, column 2,

Delete:

DSC MF

(Source: BA 50/14)

(24/14)

INP 31(2), 2014

(Last correction: Edition No. 23 dated 01 Dec 2014)

NIL

INP 31(5), 2011

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

NIL

INP 31(6), 2012

(Last correction: Edition No. 18 dated 15 Sep 2014)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

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

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

Instructions for filling up IH 102

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

Position Reporting

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

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

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

Depth Reporting

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

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

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

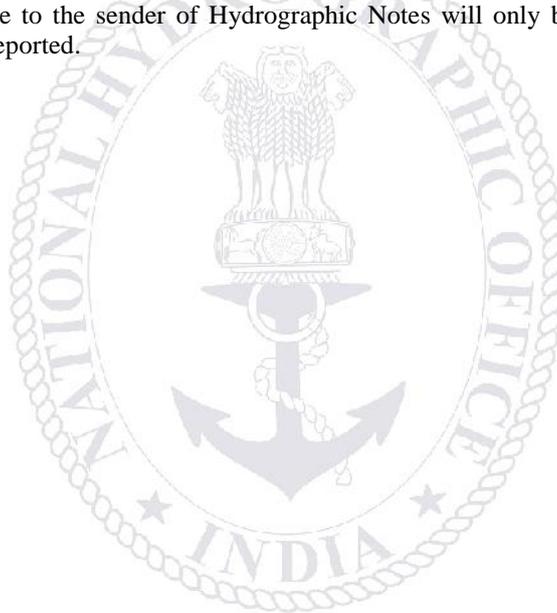
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

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

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

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

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

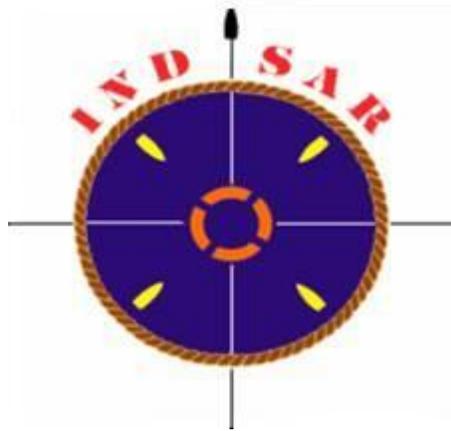


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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

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			
1. NAME OF PORT			
Location	Latitude		Longitude
2. GENERAL REMARKS			
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)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
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	

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC