

INDIAN NOTICES TO MARINERS

EDITION NO. 21 DATED 01 NOV 2016

(CONTAINS NOTICES 193 TO 201)



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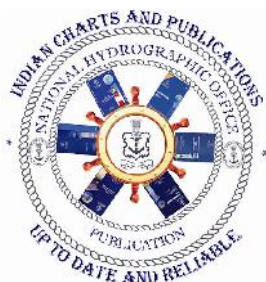
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: msis-incho@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 overloading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC's AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2074	30-09-2016	PAWAS BAY – RANPAR PORT LIMITS 16° 52'.20N; 73° 14'.30E. 16° 54'.75N; 73° 18'.00E.	10,000	3	Rs. 1870.00
		APPROACHES TO PAWAS BAY LIMITS 16° 50'.00N; 73° 10'.00E. 16° 56'.70N; 73° 19'.25E.	25,000		

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
4005	30-09-2016	NANCOWRY HARBOUR & APPROACHES LIMITS 07° 58'.85N; 93° 28'.90E. 08° 03'.16N; 93° 35'.60E.	12,500	6	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
2074	30-11-2012	PAWAS BAY – RANPAR PORT	2074	30-09-2016
2077 (APPROACHES TO PAWAS BAY ONLY)	31-07-2013	APPROACHES TO PAWAS BAY	2074	30-09-2016
4005	15-12-2012	NANCOWRY HARBOUR AND APPROACHES	4005	30-09-2016

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62002T	2002	PORTS OF NEW MANGALORE AND MANGALORE	25-10-2016

5. The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62002R	2002	PORTS OF NEW MANGALORE AND MANGALORE	13-06-2016

VI

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2017	NAVLAKHI & APPROACHES	25,000	New Edition
2018 (INT 7321)	APPROACHES TO KANDLA	37,500	New Chart
2059 (INT 7322)	Approaches to Kandla	37,500	New Edition
2118	AZHIKKAL PORT	7,500	New Chart
	AZHIKKAL ANCHORAGE	37,500	
2119	BEYPORE PORT	7,500	New Chart
	BEYPORE ANCHORAGE	25,000	
2124	SALAYA CHANNEL	15,000	New Chart
4017	EXPEDITION AND GRAND HARBOURS	12,500	New Edition

Availability of ENC's

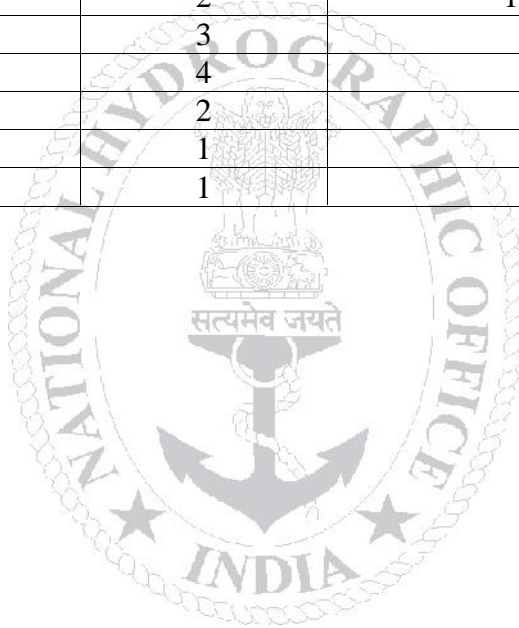
The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing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

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Web site: www.hydro.gov.uk	M/s Jeppesen Norway AS 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
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	M/s IIC Technologies Limited 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

SECTION – I

The list of charts affected by the Notices 193 to 201 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
31	5	200 (T)
41 (INT 757)	6	200 (T), 201 (T)
203 (INT 7319)	2	195
213	3	199
245	1	198
268 (INT 7353)	4	196
273	4	196
289	1	198
290	1	198
451	7	200 (T)
2002 (INT 7351)	3	193
2018 (INT 7321)	2	195
2027	2	194, 195
2028	3	199
2047	4	196
2080	2	195
8004	1	197
8005	1	197



SECTION – II**PERMANENT NOTICES*****193 (21/16) INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Wharf – Coastline.**

Source: NHO Dehradun.

Chart 2002 (INT 7351) [previous update 118/16]

Insert accompanying block showing amendments to wharf and coastline centered on: 12° 51′.39N., 74° 49′.55E.

***194 (21/16) INDIA – WEST COAST – Gulf of Kachchh – Rozi Anchorage – Anchorage Area.**

Source: NHO.

Chart 2027 [previous update NC 15 Nov 2012]

Insert limit of anchorage area , joining: 22° 43′.00N., 70° 02′.80E. (N Border)
 22° 42′.80N., 70° 02′.80E.
 22° 42′.80N., 70° 06′.50E. (E Border)

***195 (21/16) INDIA – WEST COAST – Gulf of Kachchh – Rozi Anchorage – Foul.**

Source: VTS Kandla.

Chart 203 (INT 7319) [previous update 154/16]

Insert # 22° 42′.56N., 70° 03′.51E.

Chart 2080 [previous update 061/16]

Insert # 22° 42′.60N., 70° 03′.50E.

Chart 2018 (INT 7321) [previous update 042/16]

Insert # 22° 42′.60N., 70° 03′.50E.

Chart 2027 [previous update 194/16]

Insert # 22° 42′.60N., 70° 03′.50E.

***196 (21/16) INDIA – LAKSHADWEEP – Plans in Lakshadweep – Light – Tower.**

Source: DLL Cochin.

Chart 273 [previous update 095/16]


Amend Light to; Fl.5s24m11M 10° 56′.60N., 72° 18′.93E.

Chart 268 (INT 7353) [previous update NC 30 Apr 2016]

Insert  Fl.5s24m11M 10° 56′.60N., 72° 18′.93E.

Chart 2047 [previous update NC 31 Jul 2015]

Insert  Fl.5s24m11M 10° 56′.60N., 72° 18′.93E.

Delete  Square Tr 10° 56′.60N., 72° 18′.93E.

197 (21/16) PERSIAN GULF – Strait of Hormuz - Anchorage Area. Legend.

Source: BA Notice – 3006/16

Chart 8004 [previous update 156/15]

Insert circular limit of anchorage area, pecked line, radius 1M centered on: (a) 26° 17'·40N., 56° 14'·94E.



legend, “”, centered on: (a) above

Chart 8005 [previous update 106/13]


Insert circular limit of anchorage area, pecked line, radius 1M centered on: (a) 26° 17'·39N., 56° 15'·00E.


legend, “”, centered on: (a) above

198 (21/16) Gulf of Oman Western Portion – Anchorage Area. Legends.

Source: BA Notice – 3004/16

Chart 289 [previous update 149/16]

Insert limit of anchorage area ,----------, joining: (a) 24° 34'·00N., 56° 40'·00E.
(b) 24° 32'·00N., 56° 40'·00E.
(c) 24° 32'·00N., 56° 42'·00E.
(d) 24° 34'·00N., 56° 42'·00E.
(a) above
and
(c) above
(d) above
(e) 24° 34'·00N., 56° 44'·00E.
(f) 24° 32'·00N., 56° 44'·00E.
(c) above
(a) – (d) above
(c) – (f) above

Legend, *D* , within





Legend, *E* , within


Chart 290 [previous update 150/16]

Insert limit of anchorage area ,----------, joining: (a) 24° 34'·00N., 56° 40'·00E.
(b) 24° 32'·00N., 56° 40'·00E.
(c) 24° 32'·00N., 56° 42'·00E.
(d) 24° 34'·00N., 56° 42'·00E.
(a) above
and
(c) above
(d) above
(e) 24° 34'·00N., 56° 44'·00E.
(f) 24° 32'·00N., 56° 44'·00E.
(c) above
(a) – (d) above
(c) – (f) above



Legend, *D* , within

Legend, *E* , within

198 (21/16) Gulf of Oman Western Portion – Anchorage Area. Legends. Continued.**Chart 245** [previous update 193/14]

Insert limit of anchorage area ,----------, joining:

(a) 24° 34'·00N., 56° 40'·00E.
 (b) 24° 32'·00N., 56° 40'·00E.
 (c) 24° 32'·00N., 56° 42'·00E.
 (d) 24° 34'·00N., 56° 42'·00E.
 (a) above
 and
 (c) above
 (d) above
 (e) 24° 34'·00N., 56° 44'·00E.
 (f) 24° 32'·00N., 56° 44'·00E.
 (c) above
 (a) – (d) above
 (c) – (f) above

Legend, “*D* ”, within
 Legend, “*E* ”, within

***199 (21/16) Miscellaneous updates to charts**

Source: NHO Dehradun.

Chart	Previous Updates	Details
213	<i>115/16</i>	Insert Chart No.2074 and Magenta limit as follows: 16° 50'·00N., 73° 10'·00E. 16° 56'·70N., 73° 10'·00E. 16° 56'·70N., 73° 19'·25E. 16° 50'·00N., 73° 19'·25E. 16° 50'·00N., 73° 10'·00E.
		Delete Chart No.2074 and Magenta limit as follows: 16° 50'·00N., 73° 10'·00E. 16° 56'·70N., 73° 10'·00E. 16° 56'·70N., 73° 19'·00E. 16° 50'·00N., 73° 19'·00E. 16° 50'·00N., 73° 10'·00E.
2028	<i>178/15</i>	Insert Chart No.2074 and Magenta limit as follows: 16° 50'·00N., 73° 10'·00E. 16° 56'·70N., 73° 10'·00E. 16° 56'·70N., 73° 19'·25E. 16° 50'·00N., 73° 19'·25E. 16° 50'·00N., 73° 10'·00E.
		Delete Chart No.2074 and Magenta limit as follows: 16° 50'·00N., 73° 10'·00E. 16° 56'·70N., 73° 10'·00E. 16° 56'·70N., 73° 19'·00E. 16° 50'·00N., 73° 19'·00E. 16° 50'·00N., 73° 10'·00E.

SECTION – III

TEMPORARY AND PRELIMINARY NOTICES

***200 (T) (21/16) BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Preparis North Channel to Rangoon River – Drilling Operation.**

Source: Myanmar Hydrographic Office.

1. Drilling operation will be carried out by Petro Vietnam (call sign; 3WNX), in below mentioned co-ordinate till **30 Jun 17**:

Sl. No.	Point	Position
(a)	WP - 4	15° 09' .62N., 94° 43' .05E.

2. During the drilling period unauthorized navigation, anchoring and fishing is prohibited within 5 NM from the above mentioned area.

3. Mariners are advised to navigate with caution.

Charts affected – 31 – 41 (INT 757) – 451.

***201 (T) (21/16) ANDAMAN SEA – Survey Operation.**

Source: Myanmar Hydrographic Office.

1. SV Swissco Ruby (call sign; 9V2084) & SK Wira (call sign; 9MLJ2) will be undertaking geophysical / geotechnical site investigation survey in block M-9 till **04 Dec 16**. The survey area is bounded by the following coordinates:-

Sl. No.	Position
(i)	14° 21' .47N., 95° 46' .50E.
(ii)	14° 21' .47N., 96° 11' .58E.
(iii)	14° 07' .81N., 96° 11' .57E.
(iv)	14° 07' .81N., 95° 46' .51E.

2. During the operation period unauthorized navigation, anchoring, fishing and trawling is prohibited within 4 KM from the above mentioned area.

3. Mariners are advised to navigate with caution.

Charts affected – 41 (INT 757).

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

Mumbai - Temporarily Out of Operation

Chennai - Temporarily Out of Operation

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Operational

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

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(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 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 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

M/s OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s VDO Marine Insrtuments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg	E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in	Gujarat Pipavav Port Limited PO – Ucchahiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)
M/s SVR Chart Agencies Door No.50-81-48/4, Seetammampeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravel99@gmail.com	C-MAP India Pvt. Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel/ Fax: 022-67939504 Email: info@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 Global Marine Infratech Pvt. Ltd. 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: tusarkantha@gmiindia.in Web: www.gmiindia.in
Lift o Marine Allen's Mansion, Flat C6 Nungi Station Road, Bata Nagar Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org Web: www.liftomarine.org	M/s L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com
M/s Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in	M/s IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@ictechnologies.com Web: www.ictechnologies.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com	M/s Zenith Surveys (I) Pvt. Ltd. Lakhani's Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com, nyvmane@yahoo.com Web: www.zenithsurvey.com

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE

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

2. NAVAREA VIII Warnings in force as on 31 Oct 16:

2015 SERIES – 287 334 386

2016 SERIES – 064 432 464 474 475 571 572 607 618 628 644 645 646 653 656 657 658 659 660
661 663 664 665 666 667 668 669 670

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

633.	India East Coast – off Gopalpur. Charts 31 352 353 3005 INT 706. Army air defence firing and BPTA flight scheduled on 20, 21, 24, 26, 27 and 29 Oct 16 from 0130-0730 and 0830-1430 UTC.
2.	Firing area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c. Safe flying height 6100 metres.
3.	Flight area bounded by 19-17.67N 084-55.21E, 19-10.75N 084-47.38E, 18-56.03N 084-52.64E, 19-12.33N 085-14.92E. Safe flying height 1525 metres.
4.	Cancel NAVAREA 604 and this MSG 291530 UTC Oct 16.
634.	India East Coast – South East off Kakinada. Charts 31 32 391 INT 71. Firing by naval ships scheduled on 19 Oct 16 from 0130 to 0700 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. Safe flying height 8000 metres.
2.	Cancel this MSG 190800 UTC Oct 16.
635.	Bay of Bengal – off Kankasanturai. Charts 32 358 INT 71. Naval firing practice scheduled on 21 Oct 16 from 0230-1330 UTC in danger area extending 5 NM from 09-55N 080-33E. Safe flying height 10000 metres.
2.	Cancel this MSG 211430 UTC Oct 16.
636.	North Indian Ocean. Charts 23 INT 71. SLFV Keara Duwa reported adrift 02-01N 078-42E at 170310 UTC Oct 16 due engine failure.
2.	Cancel this MSG 200310 UTC Oct 16.
637.	India West Coast - New Mangalore. Charts 217 2052. Suratkal DGPS (13-00N 074-47E) inoperative.
638.	Cancel NAVAREA VIII 558 565 573 610 623 625 and this MSG. INTM 186 183 187 184 191(T) 192(T) refers.
639.	India West Coast. Charts 255 292 INT 71. Rig list correct at 171006 UTC Oct 16.
	ABAN ICE 19-12.78N 070-45.13E IN SAFETY FAIRWAY
	GREAT DRILL CHAARU 20-05.63N 071-48.56E IN SAFETY FAIRWAY
	ABAN IV 18-36.17N 071-01.65E NEW
	PARAGON L-786 19-30.07N 071-21.63E NEW
	RON TAPMEYAR 19-35.10N 071-19.53E NEW
	ACTINIA 18-37.77N 071-27.17E
	ABAN III 18-55.53N 072-18.18E
	CE THORNTON 18-42.32N 072-20.29E
	DISCOVERY-1 20-18.78N 072-02.12E
	DYNAMIC VISION 19-11.03N 072-11.12E
	DEEP SEA FORTUNE 19-34.59N 071-23.43E
	DEEP SEA FOSSIL 19-20.38N 071-25.41E
	FG MCCLINTOCK 19-37.33N 071-19.97E
	GREAT DRILL CHAAYA 18-39.26N 070-58.87E
	GREAT DRILL CHETNA 19-29.06N 072-00.47E
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	JINDAL STAR 19-13.21N 072-10.52E
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	MERCURY FOCUS 21-15.78N 072-34.01E
	NOBLE ED HOLT 20-11.31N 071-52.15E
	PARAGON M 1161 19-18.33N 071-27.31E
	PARAMESWARA 20-01.85N 071-37.94E
	ROWAN LOUISIANA 19-34.41N 071-41.04E
	SAGAR GAURAV 19-11.12N 071-33.22E
	SAGAR SHAKTI 19-37.86N 071-32.28E
	SAGAR JYOTI 19-11.05N 072-08.03E

639. Continued.	
SAGAR KIRAN	19-19.64N 071-16.56E
SAGAR LAXMI	20-58.00N 071-33.00E
SAGAR PRAGATI	20-58.00N 071-33.00E
SAGAR UDAY	19-21.00N 071-10.46E
TRIDENT II	18-29.25N 072-14.43E
TRIDENT XII	19-31.69N 071-16.51E
VICTORY DRILLER	18-31.95N 072-15.23E
VIRTUE-I	20-19.05N 072-00.52E
VALIANT DRILLER	19-34.43N 071-23.09E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 630.
640. India East Coast – off Vishakhapatnam.	Chart 354 INT 71. RV Samudra Kaustubh progressing seismic survey in area bounded by 17-35.93N 083-16.15E, 17-23.03N 083-29.50E, 17-12.90N 083-13.20E, 17-26.70N 082-59.03E.
2.	Wide berth of 4 NM ahead and 7 NM astern requested.
3.	Cancel this MSG 271830 UTC Oct 16.
641. Lakshadweep Sea – off Mangalore.	Charts 272 INT 71. RV Samudra Ratnakar progressing survey in area bounded within 12-40N to 13-10N and 073-20E to 073-50E.
2.	Wide berth requested.
3.	Cancel NAVAREA 470 and this MSG 251830 UTC Oct 16.
642. India East Coast – Central Bay of Bengal.	charts 32 INT 71. Firing by CG aircraft scheduled daily from 22 - 31 Oct 16 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E. Safe flying height 2000 metres.
2.	Cancel this MSG 311230 UTC Oct 16.
643. Cancel NAVAREA VIII 637 and this MSG.	
644. Arabian Sea – off Dahej.	Charts 2039 2082 INT 71. MV Nisyros of 9.1 M draft reported touched bottom 21-39.05N 072-26.20E at 151602 UTC Oct 16.
645. Andaman Sea – off Myanmar.	Charts 41 INT 71. SV Swissco Ruby and SK Wira Progressing survey in area bounded by 14-21.46N 095-46.49E, 14-21.47N 096-11.58E, 14-07.81N 096-11.57E, 14-07.80N 095-46.51E
2.	Wide berth requested.
3.	Cancel this MSG 041830 UTC Dec 16.
646. India East Coast – off Kattupalli.	Charts 313 INT 71. Pulicat DGPS (13-25N 080-20E) inoperative.
647. India West Coast – South-East of Tapti ODA.	Charts 21 210 INT 71. Firing by CG aircraft scheduled on 22 Oct 16 from 0330-1130 UTC in danger area bounded by 20-13.3N 071-59.0E, 20-13.3N 072-08.0E, 20-06.0N 072-06.9E, 20-06.0N 071-57.7E. Safe flying height 1850 M.
2.	Cancel this MSG 221230 UTC Oct 16.
648. Bay Of Bengal – off Trincomalee.	Charts 359 3014 INT 710. Naval firing practice scheduled on 26 Oct 16 from 0330-0630 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. Safe flying height 1500 metres.
2.	Cancel this MSG 260730 UTC Oct 16.
649. NAVAREA VIII warnings in force as on 21 Oct 16.	
	2015 Series - 287 334 386
	2016 Series - 064 432 464 474 475 556 571 572 601 606 607 612 618 620 628 633
	639 640 641 642 644 645 646 647 648
	(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 www.hydrobharat.gov.in .
2.	Cancel this MSG 281000 UTC Oct 16.
650. India West Coast – Arabian Sea.	Charts 22 272 273 293 INT 71. 225 meters long Naval vessel being towed by SCI mukta, Nand krishna and Nand panna from kochi to mumbai from 23 - 31 Oct 16.
2.	Wide berth of over 5 NM requested.
651. India East Coast- Chennai.	Charts 313 3001 3004 INT 71. Firing by Naval coast battery scheduled on 28 Oct 16 from 0530 - 0730 UTC.
2.	Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. Safe flying height 12800 M.
3.	Cancel this MSG 280830 UTC Oct 16.
652. Central Lakshadweep Sea.	Charts 261 INT 71. Naval firing practice scheduled on 28 Oct 16 from 0230-0630 UTC in danger area extending 5 NM from 06-50N 075-25E. Safe flying height 7000 M.
2.	Cancel this MSG 280730 UTC Oct 16.
653. Andaman Sea – off Preparis I.	Charts 41 INT 71. Rig petro vietnam progressing drilling 15-09.62N 094-43.04E
2.	Unauthorized navigation and fishing prohibited within 5 NM from drilling point.
3.	Cancel this MSG 301830 UTC Jun 17.

654. Bay Of Bengal – off Kankasanturai.	Charts 32 358 INT 71. Naval firing practice scheduled on 30 Oct 16 from 0330-0730 UTC in danger area extending 5 NM from 09-55N 080-33E. Safe flying height 25000 M.																																												
2.	Cancel this MSG 300830 UTC Oct 16.																																												
655. India West Coast – off Tapti Oda.	Charts 21 210 INT 71. Firing by CG aircraft scheduled on 30 Oct 16 from 0330-1130 UTC in danger area bounded by 20-13.3N 071-59.0E, 20-13.3N 072-08.0E, 20-06.0N 072-06.9E, 20-06.0N 071-57.7E. Safe flying height 1830 metres.																																												
2.	Cancel this MSG 301230 UTC Oct 16..																																												
656. India East Coast.	Charts 262 355 INT 706. Rig list correct at 271002 UTC Oct 16.																																												
	<table> <tr> <td>ABAN ABRAHAM</td><td>16-11.42N 082-12.65E NEW</td></tr> <tr> <td>ABAN II</td><td>16-23.23N 082-01.41E</td></tr> <tr> <td>RIG 805</td><td>16-40.18N 082-25.72E</td></tr> <tr> <td>SAGAR RATNA</td><td>16-20.43N 081-59.35E</td></tr> <tr> <td>SAGAR BHUSHAN</td><td>16-31.49N 082-23.61E</td></tr> <tr> <td>GSF – 140</td><td>08-56.45N 079-04.57E</td></tr> <tr> <td>DDKG 2</td><td>16-41.52N 082-42.73E</td></tr> <tr> <td>DS MATDRILL</td><td>15-38.22N 080-48.67E</td></tr> <tr> <td>SAGAR VIJAY</td><td>16-19.41N 082-10.51E</td></tr> </table>	ABAN ABRAHAM	16-11.42N 082-12.65E NEW	ABAN II	16-23.23N 082-01.41E	RIG 805	16-40.18N 082-25.72E	SAGAR RATNA	16-20.43N 081-59.35E	SAGAR BHUSHAN	16-31.49N 082-23.61E	GSF – 140	08-56.45N 079-04.57E	DDKG 2	16-41.52N 082-42.73E	DS MATDRILL	15-38.22N 080-48.67E	SAGAR VIJAY	16-19.41N 082-10.51E																										
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2.	Wide berth requested.																																												
3.	Cancel NAVAREA VIII MSG 606.																																												
657. India East Coast – off Ravva Oda.	Charts 355 INT 71. Oceanographic equipment moored subsea by M/S Fugro at 16-17.73N 082-22.75E, 16-07.90E, 082-17.18, 16-25.10N 082-23.69E, 16-18.63N 082-17.11E, 16-11.98N 082-20.05E, 16-21.03N 082-18.64E, 16-21.81N 082-19.15E.																																												
2.	Wide berth requested.																																												
3.	Cancel this MSG 101830 UTC Nov 16.																																												
658. Lakshadweep Sea – off Minicoy I.	Charts 22 INT 71. RV Samudra Ratnakar progressing survey using roV in area bounded by 08-47.52N 071-49.38E, 07-52.74N 071-49.38E, 07-52.74N 070-44.52E, 08-47.52N 070-44.52E.																																												
2.	Wide berth requested.																																												
3.	Cancel this MSG 271830 Nov 16.																																												
659. Bay Of Bengal – off Trincomalee.	Charts 359 3014 INT 71. Naval firing practice scheduled on 31 Oct and 01 Nov 16 from 0330-1130 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. Safe flying height 10000 metres.																																												
2.	Cancel this MSG 011230 UTC Nov 16.																																												
660. India West Coast – N Arabian Sea.	Charts 21 292 INT 71. Naval firing scheduled from 021030 to 050630 UTC Nov 16 in danger area bounded by 20-26N 066-13E, 20-40N 064-48E, 19-30N 063-46E, 19-07N 064-20E, 19-00N 065-23E, 19-46N 066-13E, 20-26N 066-13E.																																												
2.	Cancel this MSG 050730 UTC Nov 16.																																												
661. India West Coast – off Angria Bank.	Charts 22 293 INT 71. Naval firing scheduled from 020030 to 051630 UTC Nov 16 in danger area bounded by 16-33.5N 069-56.5E, 17-07.5N 070-55.5E, 16-48.5N 072-05.5E, 15-49.0N 072-37.5E, 14-46.0N 072-20.0E, 14-16.0N 071-41.0E, 14-07.0N 071-10.0E, 14-36.5N 070-08.5E, 15-28.5N 069-39.0E, 16-33.5N 069-56.5E.																																												
2.	Cancel this MSG 051730 UTC Nov 16.																																												
662. Cancel NAVAREA VII 612 650 and this MSG.																																													
663. India West Coast.	Charts 255 292 INT 71. Rig list correct at 281006 UTC Oct 16.																																												
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663.	Continued.	
	PARAGON M 1161	19-18.33N 071-27.31E
	PARAMESWARA	20-01.85N 071-37.94E
	RON TAPMEYAR	19-35.10N 071-19.53E
	ROWAN LOUISIANA	19-34.41N 071-41.04E
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	VICTORY DRILLER	18-31.95N 072-15.23E
	VIRTUE-I	20-19.05N 072-00.52E
	VALIANT DRILLER	19-34.43N 071-23.09E
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 639.	
664.	NAVAREA VIII warnings in force as on 28 Oct 16.	
	2015 Series - 287 334 386	
	2016 series - 064 432 464 474 475 556 571 572 607 618 628 633 639 642 644 645 646 653	
	654 655 656 657 658 659 660 661 662 663	
	(A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.	
	(B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in www.hydrobharat.gov.in .	
2.	Cancel this MSG 041000 UTC Nov 16.	
665.	India West Coast – Kochi. Charts 22 220 2029 INT 71. Firing by Naval Coast Battery scheduled on	
	DATE	TIME (UTC)
	04 NOV 16	0900-1200
	08 NOV	0900-1200
	15 NOV	0900-1200
	18 NOV	0900-1200
	22 NOV	0900-1200
	25 NOV	0900-1200
	29 NOV	0900-1200
2.	Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. Safe flying height 10000 metres.	
3.	Cancel this MSG 291300 UTC Nov 16.	
666.	Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 04 Nov 16 from 0230-0630 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. safe flying height 10000 metres.	
2.	Cancel this MSG 040730 UTC Nov 16.	
667.	India East Coast – off Kakinada. Charts 31 32 391 INT 71. Firing by Naval ships scheduled on 04 Nov 16 from 0030 to 0530 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. Safe flying height 8000 metres.	
2.	Cancel this MSG 040630 UTC Nov 16.	
668.	Lakshadweep Sea. Charts 23 INT 71. SLFV Harshana Chathuranga reported adrift 06-02N 076-56E since 30 Oct 16 due engine failure.	
2.	Cancel this MSG 021000 UTC Nov 16.	
669.	India West Coast – Mumbai to Okha. Charts 291 292 INT 71. SV Fugro Mapper will progress survey from 01 Nov 16 in vicinity of 19-57N 072-09E, 19-34N 071-07E, 19-01N 071-32E, 19-12N 072-06E, 19-28N 071-19E, 19-08N 071-52E, 18-40N 072-13E, 19-15N 070-52E, 22-29N 068-07E, 20-09N 071-45E, 18-42N 072-20E, 18-36N 071-01E .	
2.	Wide berth requested.	
3.	Cancel this MSG 311830 UTC Dec 16.	
670.	SW Indian Ocean. Chart INT 70. ALP Striker towing driller SSDR Sevan to Port Louis. Length of tow 1790 metres. Position of tow 22-49S 054-19E.	
2.	Wide berth requested.	

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII

CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6492.1	- Inhaca	25 58.60 S 32 59.31 E	FI(2+1)W15s	109	23	White 6-sided tower 31	Aeromarine. W224°-212° (348°). R212°-224° (12°) over Baixo Danae Shoal.
	- -	..	Iso R 4s	..	12	..	*
D6567	- - Praia do Chinde	18 35.27 S 36 27.61 E	Q(2)W 6s	11	7	White framework tower and dwelling 11	<i>fl 0.5, ec 0.5, fl 0.5, ec 4.5</i> *
D6648	Cabo Delgado	10 41.42 S 40 38.29 E	FI(2)W 12s	41	16	White 6- sided concrete tower and dwelling 36	<i>fl 1.5, ec 2, fl 1.5, ec 7</i> *
D7036	- Pointe Anorombato	15 42.94 S 46 18.02 E	Oc(3)WRG 12s	42	W12 R10 G 9	White metal tower, black band and lantern 11	(<i>ec 1.5, lt 1.5</i>) x 2, <i>ec 1.5, lt 4.5.</i> G303°- 116°(173°), W116°- 122°(6°), R122°- 145°(23°), W145°- 167°(22°), G167°- 186°(19°), W186°- 213°(27°). Obscured 213°- 303°(90°) by trees *
D7091-487	- Pointe des Chateaux- Colimacons. BS5	21 09.45 S 55 16.66 E	FI Y 2.5s	2	2	Yellow x on yellow buoyant beacon	Marks seaward limit of sanctuary. TE 2016 *
D7295.52	Makram	20 25.53 N 39 41.60 E	FI R		*		*
D7299.197	- Al Fahal	22 18.52 N 38 58.07 E	FI W 7s	..	15	..	Reported missing (T) 2016 *
D7299.199	- Qita al Kirash	22 26.00 N 38 59.58 E	FI G 10s	..	15	..	TE 2016 *
D7338	- Rameh Chah. E Breakwater	26 53.90 N 56 09.90 E	FI(2)G 12s	7			
D7338.2	- - W Breakwater	26 53.90 N 56 09.90 E	FI(2)R 12s	7			*
D7339	JAZIREH- YE HENGAM -Jazireh- ye Hengam	26 37.83 N 55 54.00 E	FI W 10s	120	12	Square metal tower, concrete base 4	W173°- 014° (201°)
	--	..	Racon	..	..	..	ILRS Vol.2 station 78490. TD 2016 *
D7364	- Khawr al Batin. W Breakwater. Head	24 28.63 N 54 18.00 E	FI W 4s	..	..	Beacon	
D7575.47	- Ras az Zawr	28 45.22 N 48 25.81 E	FI R 2s				*
D7575.48	- Ras az Zawr	28 45.21 N 48 25.80 E	FI R 2s				*
D7699.2	- W Breakwater	26 32.68 N 54 53.31 E	FI R 5s	9	7		*

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
F0470	- Entrance. N side. Narmada River. Luhara Point	21 39.57 N 72 32.89 E	Fl W 15s	28	11	White metal tower, red spiral 24	
	-----	..	Racon	..	..	..	ILRS Vol 2 Station 78975
	-----	..	AIS	..	..	..	MMSI No 004192221
F1064.3	Mun Aung Island. Ohnchaung	18 50.89 N 93 44.28 E	Oc R 4s	9	5	Grey metal framework tower 7	
F1188	Kantang Approches. Ko Bulaobat	07 04.49 N 99 23.64 E	Fl(2)W10s	40	10	White brick tower 11	<i>fl 0.5, ec 1.5, fl 0.5, ec 7.5</i>
F1236.5	Air Bangis	00 11.82 N 99 22.35 E	Fl W 4s	12	12	White post 10	<i>fl 0.5</i> Ra Refl
F1236.55	TAPANG BAY - Pulau Taming	00 10.97 N 99 17.77 E	Fl G 3s	12	12	Green on green beacon 10	<i>fl 0.5.</i> Ra refl
F1236.6	- Pulau Pugago	00 10.33 N 99 17.12 E	Fl R 3s	12	12	Red on red beacon 10	<i>fl 0.5.</i> Ra refl
F1694.2	- - South-eastward. Takong	01 05.90 N 103 43.25 E	Q(6)+LFl W 15s	8	9	▽ on black beacon, yellow top	<i>(fl 0.5, ec 0.5) x 6, fl 2, ec 7</i>
	-----	..	Racon	..	..	..	ILRS Vol 2 Station 86270
K0850.1	TELUK BUNGUS - Pulau Karsik	01 01.97 S 100 23.68 E	Fl W 5s	12	12	White beacon 10	<i>fl 0.5.</i> Ra refl
K0859.91	PADANG ESTUARY - Beacon	00 57.80 S 100 20.98 E	Fl G 3s	12	12	Green beacon 10	<i>fl 0.5.</i> Ra refl
K0859.92	- Beacon	00 57.77 S 100 21.03 E	Fl R 3s	12	12	Red beacon 10	<i>fl 0.5.</i> Ra refl
K0874.3	LABUHAN SUNDAI TARUSAN - Beacon	01 14.14 S 100 24.54 E	Fl G 5s	12	12	Green beacon 10	<i>fl 0.5.</i> Ra refl
K0874.8	PAINAN BAY - Baturimau Point	01 21.86 S 100 33.86 E	Fl W 5s	12	12	White beacon 10	<i>fl 0.5.</i> Ra refl
K0874.9	BATUDANDANG ISLAND - Painan	01 22.42 S 100 33.49 E	Fl W 5s	12	12	White beacon 10	<i>fl 0.5.</i> Ra refl
K0874.95	AUR KECIL - Painan	01 24.74 S 100 34.58 E	Fl W 5s	12	12	White beacon 10	<i>fl 0.5.</i> Ra refl
K0875.9	- Langeirak Island. Pokai	01 04.36 S 98 57.62 E	Fl G 5s	12	12	Green on green beacon 10	<i>fl 0.5.</i> Ra refl
K0877.9	- Siburu Bay	02 01.66 S 98 35.60 E	Fl G 5s	12	12	Green on green beacon 10	<i>fl 0.5.</i> Ra refl

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 18 dated 16 Sep 2016)

NIL

INP 31(2), 2014

(Last correction: Edition No. 18 dated 16 Sep 2016)

PAGE 26, INDONESIA (Sumatera) 86270 Takong Lt Bn.

Delete entry and replace by:

Takong Lt Bn	1°05'.90N103°43'.20E					TK		86270
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(Source: BA 36/16)

(21 /16)

INP 31(5), 2011

(Last correction: Edition No. 18 dated 16 Sep 2016)

NIL

INP 31(6), 2012

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

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

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

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

Instructions for filling up IH 102

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

Position Reporting

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

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

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

Depth Reporting

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

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

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

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

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

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

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

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

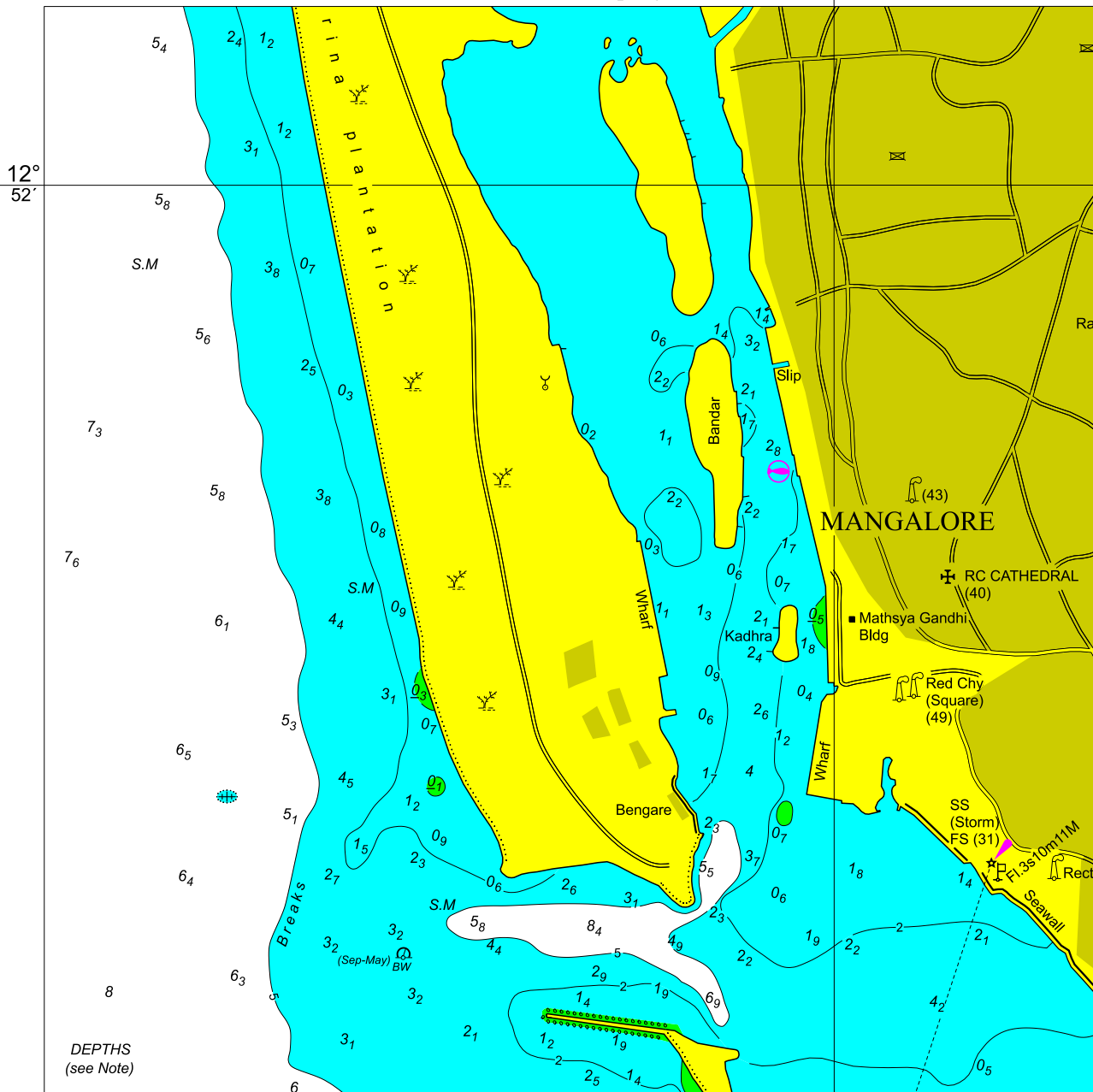


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)				IH.102A (Revised 2012)	
Date				Ref. No.	
Name of the Ship or Sender					
Address					
Tel/Fax/E-mail					
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	



Block correction for chart No. 2002 (INT 7351)

74°50'E



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