



INDIAN NOTICES TO MARINERS



EDITION NO. 14 DATED 16 JUL 2016

(CONTAINS NOTICES 135 TO 144)

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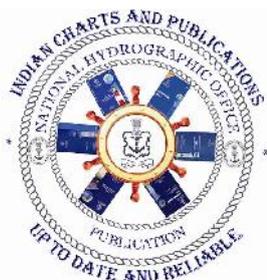
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND
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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.

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

Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.

III

EXPLANATORY NOTES

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

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

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

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

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

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

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

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

Radio Navigational Warnings.

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

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The new Indian Charts that are 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>
2528	30-06-2016	APPROACHES TO MKOANI HARBOUR LIMITS 05° 27'.00S; 39° 25'.00E. 05° 14'.00S; 39° 42'.00E.	50,000	1	Rs. 1870.00
		MKOANI HARBOUR LIMITS 05° 23'.00S; 39° 32'.50E. 05° 16'.50S; 39° 41'.00E.	25,000		

2. The new edition Indian Charts 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>
3010 (INT 7418)	31-05-2016	PARADIP PORT LIMITS 20° 14'.50N; 86° 39'.00E. 20° 17'.50N; 86° 43'.60E.	12,500	5	Rs. 1870.00
		PARADIP ANCHORAGE LIMITS 20° 11'.00N; 86° 38'.80E. 20° 17'.75N; 86° 48'.00E.	25,000		

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>
3010 (INT 7418)	31-10-2014	PARADIP PORT	3010 (INT 7418)	31-05-2016
		PARADIP ANCHORAGE		

4. The new Indian Electronic Navigational Charts that are 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>
IN43017D	3017	APPROACHES TO DHAMRA RIVER	13-07-2016

5. 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>
IN63028E	3028	KAMARAJAR PORT	14-07-2016
IN63037D	3037	DHAMRA PORT	14-07-2016
IN53038A	3038	APPROACHES TO DHAMRA PORT	12-07-2016

VI

6. 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>
IN43017A	3017	APPROACHES TO DHAMRA RIVER	14-10-2004
IN53017D	3017	DHAMRA FISHING HARBOUR	15-07-2013
IN63028E	3028	ENNORE PORT	11-08-2016
IN63037D	3037	DHAMRA PORT	30-01-2013
IN53038A	3038	APPROACHES TO DHAMRA PORT	02-07-2013

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2029 (INT 7348)	APPROACHES TO KOCHI	60,000	New Chart
2058	KANNUR (CANNANORE) AND TELlichERRY ANCHORAGE	30,000	New Chart
2008	APPROACHES TO KARWAR	25,000	New Edition

Availability of ENCs

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs 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 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 135 to 144 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	141(T)
22 (INT 752)	3	141(T)
23	1	141(T)
31	5	144(T)
32 (INT 754)	5	144(T)
33	5	144(T)
41 (INT 757)	6	144(T)
210	2	135
214	3	141(T)
218	3	136
257 (INT 7343)	3	141(T)
258 (INT 7348)	3	135,136
268 (INT 7353)	4	141(T)
272	4	136
273	4	141(T)
292 (INT 7021)	2	141(T)
293 (INT 7022)	3	141(T)
313	5	138
322	7	140
323	7	140
351 (INT 7419)	5	139
356 (INT 7400)	5	138, 144(T)
357 (INT 7397)	5	144(T)
371	7	140
391	5	144(T)
404 (INT 7031)	6	144(T)
405	6	144(T)
472 (INT 7032)	6	144(T)
2002 (INT 7351)	3	143(T)
2008 (INT 7319)	3	142(T)
2010	3	142(T)
2020	3	141(T)
2022 (INT 7345)	3	141(T)
2025	3	136
2047	4	141(T)
2118	3	136
3001 (INT 7042)	5	138
3016	4	137
3037	5	139
3038	5	139
7703 (INT 703)	1	141(T)
7705 (INT 705)	1	141(T)
7706 (INT 706)	1	144(T)

SECTION – II
PERMANENT NOTICES

***135 (14/16) Miscellaneous updates to charts.**

Source: NHO Dehradun.		
Refer Indian Notices to Mariners Annual Edition 2016 dated 01 Jan 2016 Section I		
Chart	Page No	
210	8	For Permanent Corrections – 2004 – 340. 2008 – 149 – 381. 2009 – 372. 2010 – 159. 2012 – 226. 2014 – 095 – 101 – 201. 2015 – 153 – 154 – 164. 2016 –
		Read – 2014 – 095 – 101 – 201. 2015 – 153 – 154 – 164. 2016 –
258 (INT 7348)	13	For Permanent Corrections – 2015 – 031 – 081 – 090. 2016 – 116 – 117 – 118 – 132
		Read – 2015 – 081 – 090. 2016 – 116 – 117 – 118 – 132

***136 (14/16) INDIA – WEST COAST – Azhikkal Port – Light.**

Source: NHO.

Chart 272 [previous update 132/16]

Delete SS(Strom)

11° 56′.60N., 75° 18′.10E.

Chart 258 (INT 7348) [previous update 132/16]

Delete SS(Strom)

11° 56′.54N., 75° 18′.14E.

Chart 218 [previous update 081/15]

Delete SS(Strom)

11° 56′.54N., 75° 18′.14E.

Chart 2025 [previous update 081/15]

Amend range of light to, 10M

(a) 11° 56′.45N., 75° 18′.18E.

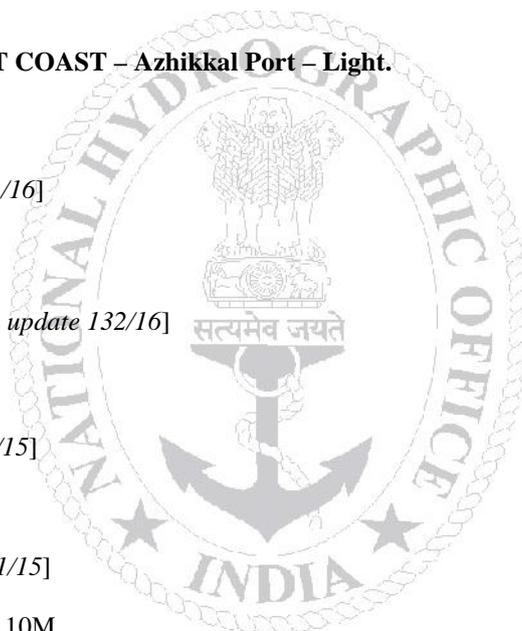
Delete SS(Strom)

(a) above

Chart 2118 [previous update NC 15 Jul 2014]

Amend range of light to, 10M

11° 56′.536N., 75° 18′.135E.



***137 (14/16) INDIA – EAST COAST – Approaches to Mandapam – Tower – Water Tank – Church - Mosque.**

Source: IH – 102, INS Sandhyak.

Chart 3016 [previous update 115/15]

Insert	 (100)	09° 16′.81N., 79° 12′.97E.
	 (100)	09° 17′.23N., 79° 14′.33E.
	 (100)	09° 16′.95N., 79° 13′.58E.
	 MOSQUE	09° 16′.87N., 79° 12′.86E.
	 Police Station	09° 16′.98N., 79° 13′.01E.
		09° 16′.91N., 79° 09′.57E.

***138 (14/16) INDIA – EAST COAST – Approaches to Chennai – Buoy.**

Source: IH 102, Seven Islands Shipping Ltd.

Chart 356 (INT 7400) [previous update 070/16]

Move	 <i>Fl.5s</i> <i>Fairway</i>	from:	13° 12′.91N., 80° 22′.40E.
	to:		13° 12′.10N., 80° 23′.60E.

Chart 313 [previous update 038/15]

Move	 <i>Fl.5s</i> <i>Fairway</i>	from:	13° 12′.91N., 80° 22′.40E.
	to:		13° 12′.10N., 80° 23′.60E.

Chart 3001 (INT 7402) [previous update NE 15 Apr 2015]

Move	 <i>Fl.5s</i> <i>Fairway</i>	from:	13° 12′.91N., 80° 22′.40E.
	to:		13° 12′.10N., 80° 23′.60E.

***139 (14/16) INDIA – EAST COAST – Dhamra Port – Port limit.**

Source: NHO.

Chart 351 (INT 7419) [previous update 105/16]

Insert	Port limit, pecked line, joining:	20° 48′.05N., 86° 57′.80E. (Shore)
		20° 48′.05N., 87° 01′.87E.
		20° 56′.05N., 87° 15′.87E.
		21° 02′.05N., 87° 13′.37E.
		20° 56′.05N., 86° 55′.30E. (Shore)
Delete	Port limit, pecked line, joining:	20° 48′.00N., 86° 57′.90E. (Shore)
		20° 48′.00N., 87° 02′.00E.
		20° 56′.00N., 87° 16′.00E.
		21° 02′.00N., 87° 13′.50E.
		20° 56′.00N., 86° 55′.00E. (Shore)

139 (14/16) INDIA – EAST COAST – Dhamra Port – Port limit. Continued.*Chart 3038** [previous update NC 15 May 2013]

Insert	Port limit, pecked line, joining:	20° 48′.05N., 86° 57′.72E. (Shore) 20° 48′.05N., 87° 01′.87E. 20° 52′.84N., 87° 10′.25E. (E Border)
	Legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48′.10N., 87° 00′.00E. 20° 50′.82N., 87° 06′.65E.
Delete	Port limit, pecked line, joining:	20° 48′.00N., 86° 57′.72E. (Shore) 20° 48′.00N., 87° 02′.00E. 20° 52′.70N., 87° 10′.25E. (E Border)
	Legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 50′.72N., 87° 06′.75E. 20° 48′.03N., 87° 00′.00E.

Chart 3037 [previous update NC 30 Nov 2012]

Insert	Port limit, pecked line, joining:	20° 48′.05N., 86° 57′.72E. (Shore) 20° 48′.05N., 87° 01′.30E. (E Border)
	Legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48′.07N., 86° 59′.48E.
Delete	Port limit, pecked line, joining:	20° 48′.00N., 86° 57′.72E. (Shore) 20° 48′.00N., 87° 01′.30E. (E Border)
	Legend, “ <i>Limit of Port of Dhamra</i> ”, centered on:	20° 48′.02N., 86° 59′.48E.

***140 (14/16) Bay of Bengal – Coast of Burma – Combermere Bay to Cheduba Strait – Leading Lights.**

Source: Myanmar Navy, Notice 29/2016.

Chart 371 [previous update 096/16]

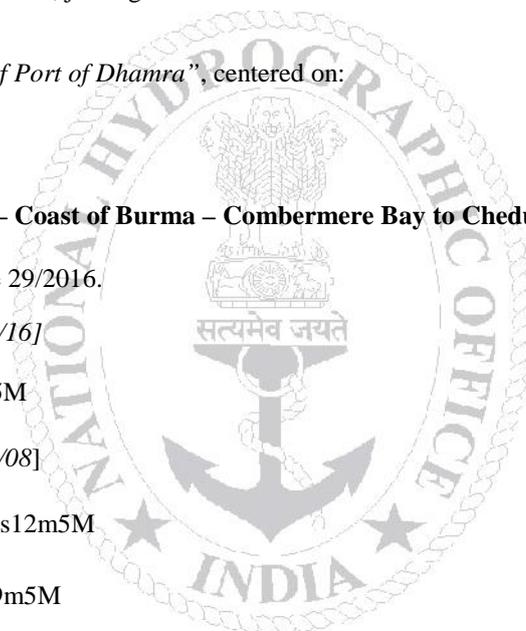
Amend	light to, Oc.R.4s5M	18° 50′.90N., 93° 44′.60E.
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Chart 323 [previous update 268/08]

Insert	 Oc.4s12m5M	18° 51′.10N., 93° 44′.45E.
Amend	light to, Oc.R.4s9m5M	18° 50′.90N., 93° 44′.60E.

Chart 322 [previous update 088/16]

Insert	 Oc.4s12m5M	18° 51′.10N., 93° 44′.45E.
Amend	light to, Oc.R.4s30m5M	18° 50′.90N., 93° 44′.60E.



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***141 (T) (14/16) INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.**

Source: NIOT - Chennai.

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

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

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

Former INM 127(T)/16 is cancelled.

***142(T) (14/16) INDIA – WEST COAST – Karwar Naval Harbour – Buoy.**

Source: HQKNA.

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

<u>Buoy No.</u>	<u>Position</u>	<u>Characteristic</u>	<u>Status</u>
No.1	14°44'.42N., 074°07'.57E	Fl.G.5s	Removed for maintenance
No.2	14°44'.40N., 074°07'.41E	Fl.R.5s	Removed for maintenance
No.3	14°45'.02N., 074°07'.59E	Fl(2)G.10s	Removed for maintenance
No.4	14°44'.99N., 074°07'.43E	Fl(2)R.10s	Unlit
No.7	14°45'.82N., 074°07'.67E	Fl.G.5s	Removed for maintenance
No.8	14°45'.83N., 074°07'.41E	Fl.R.5s	Unlit

2. Mariners are advised to navigate with caution in the area and contact local port authorities for more information.
3. **Former INM 134(T)/16 is cancelled.**

Charts affected – 2008 (INT 7319) – 2010.

***143(T) (14/16) INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Buoy.**

Source: New Mangalore Port Trust.

1. Following buoys are unlit:-

<u>Buoy No.</u>	<u>Position</u>	<u>Characteristic</u>	<u>Status</u>
No.1	12°54'.91N., 074°45'.19E	Fl.G.5s	Unlit
No.5	12°55'.16N., 074°46'.49E	Fl.R.5s	Unlit

2. Mariners are advised to navigate with caution in the area and contact local port authorities for more information.

Charts affected – 2002 (INT 7351).

***144(T) (14/16) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.**

Source: NIOT - Chennai.

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

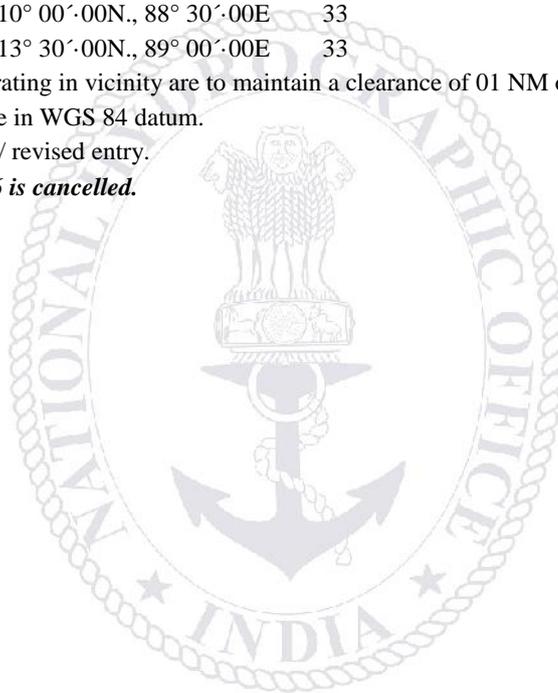
Buoy No.	Position	Chart Affected
*BD08/ OB	18° 09′.95N., 89° 39′.12E	31
*BD09/ OB	17° 50′.88N., 89° 40′.50E	31
*BD10/ OB	16° 30′.02N., 87° 58′.80E	31
*BD11/ OB	13° 29′.16N., 84° 00′.07E	32 (INT 754),33,391
*BD12/ OB	10° 29′.92N., 94° 01′.83E	33, 41(INT 757), 472 (INT 7032)
*BD13/ OB	14° 00′.57N., 86°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

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

3. All positions are in WGS 84 datum.

4. * Indicates new/ revised entry.

Former INM 128(T)/16 is cancelled.



SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

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

Mumbai - Temporarily Out of Operation

Chennai - Temporarily Out of Operation

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Operational

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

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

<p>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</p>	<p>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</p>
<p>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</p>	<p>EW Liner Charts & Publication (India) 2/524, Sundeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@vsnl.com, sales@ccmarine.in</p>	<p>Gujarat Pipavav Port Limited PO – Ucchaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p>M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammappeta, Visakhapatnam – 530 016 Tele Fax: 0891-2799471, Cell: +91 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com</p>	<p>M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur, Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com</p>
<p>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</p>	<p>M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in</p>
<p>Lift o Marine Paper / Digital Charts Allen’s Mansion, Flat C6 Nungi Station Road Kolkata – 700 140, IN Tel: +91 9836972027 / 8902228463 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p>M/s L. R. Marine Services 301, 3rd Floor, Birya 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</p>
<p>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</p>	<p>M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034 Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>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</p>	<p>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</p>

<p>M/s VDO Marine Instruments 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</p>	
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SECTION – V
NAVAREA – VIII WARNINGS IN FORCE

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

2. NAVAREA VIII Warnings in force as on 15 Jul 16:

2015 SERIES – 287 334 386 646 735

2016 SERIES – 064 356 371 387 400 401 416 417 418 420 421 422 423 427 430 432 438 439 440
441 442 443

3. NAVAREA VIII Warnings issued during the period from 01 Jul to 15 Jul 16 (both dates inclusive) are as tabulated below:–

<p>419. East Bay of Bengal And Andaman Sea. Charts 33 471 INT 71. CS Dependable laying cable till 14 Jul 16 along route 14-26.6N 092-10.6E, 11-56.1N 091-19.7E, 06-48.7N 090-54.7E, 06-13.5N 090-55.3E, 05-59.4N 092-50.2E, 06-02.7N 093-37.0E, 06-11.5N 093-57.1E, 06-24.4N 094-12.6E, 06-27.8N 094-31.3E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 141829 UTC Jul 16.</p>
<p>420. India East Coast – Visakhapatnam. Charts 3002 3012 INT 706. Construction of VLM Jetty in progress in area bounded by 17-42.43N 083-16.37E, 17-42.42N 083-16.34E, 17-42.32N 083-16.39E, 17-42.33N 083-16.41E. Foul area marked by four buoys.</p> <p>2. Wide berth requested.</p>
<p>421. Bay Of Bengal – Cheduba I. Charts 323 INT 71. Leading LTS installed on metal frame 18-50.9N 093-44.6E Oc.R.4s30ft5M and 18-51.1N 093-44.5E Oc.4s40ft5M.</p>
<p>422. Ne Bay of Bengal. Charts 31 371 INT 706. MV Polarcus Amani progressing seismic survey till 31 Jul 16 in area bounded by 18-15N 091-02E, 18-15N 092-09E, 17-30N 092-09E, 17-30N 091-03E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 311829 UTC Jul 16.</p>
<p>423. India West Coast– New Mangalore. Charts 2002 INT 71. Buoy 1 (12-54.9N 074-45.2E) and 5(12-55.2N 074-46.5E) unlit.</p>
<p>424. NAVAREA VIII Warnings in Force as on 01 Jul 16. <u>2015 series</u> – 287 334 386 445 486 498 633 646 735 <u>2016 series</u> – 031 064 356 365 368 371 380 385 387 389 392 396 399 400 401 412 416 417 418 419 420 421 422 423</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in</p> <p>(c) Cancel this MSG 081000 UTC Jul 16.</p>
<p>425. India West Coast - Off Angria Bank. Charts 22 293 INT 71. Unmanned life raft sighted 17-16N 070-50E at 010250 UTC Jul 16.</p> <p>2. Cancel this MSG 041000 UTC Jul 16.</p>
<p>426. Cancel NAVAREA VIII 486 498/15 031 392 412/16 and this MSG. INTM 134(T)/16 refers.</p>
<p>427. India West Coast – Safety Fairway And Recommended Route Off Okha. Charts 21 204 205 252 INT 71. Firing from Kathiawar air range scheduled daily till 21 Jul 16 from 0130-0930 UTC in danger area bounded by 22-12.00N 068-36.33E, 21-15.50N 069-04.00E, 21-09.00N 069-40.00E, 21-15.50N 069-42.50E, 22-05.75N 068-49.00E.</p> <p>2. Cancel NAVAREA VIII 399 and this MSG 211030 UTC Jul 16.</p>
<p>428. Ne Indian Ocean-Off Dondra Hd. Charts 23 INT 71. Sri Lankan fishing vessel Durga reported adrift 04-55N 079-25E at 031030 UTC Jul due engine failure.</p> <p>2. Cancel this MSG 061000 UTC Jul 16.</p>
<p>429. Cancel NAVAREA VIII 445 633/15 365 389/16 and this MSG.</p>
<p>430. India East Coast – Central Bay of Bengal. Charts 32 INT 71. Firing by CG Aircraft scheduled daily from 08-14 and 22 – 31 Jul 16 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E. Safe flying height 2 KM.</p> <p>2. Cancel this MSG 311230 UTC Jul 16.</p>
<p>431. Cancel NAVAREA VIII 368 385/16 and this MSG. INTM 121(T) 123/16 refers.</p>
<p>432. India East Coast – Visakhapatnam Port. Charts 3012 INT 706. Salvage OPS of metallic plate 17 x 7 MTRS sunk in position 17-42 N 083-21.2E in progress.</p> <p>2. Wide berth requested.</p>

<p>433. NAVAREA VIII Warnings in Force as on 08 Jul 16. <u>2015 series</u> – 287 334 386 646 735 <u>2016 series</u> – 064 356 371 380 387 396 400 401 416 417 418 419 420 421 422 423 427 430 432 (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. (c) Cancel this MSG 151000 UTC Jul 16.</p>														
<p>434. India West Coast– Porbander. Charts 2040 INT 705. DGPS (21-37N 069-37E) non operative.</p>														
<p>435. Ne Indian Ocean. Charts 32 INT 71. Sri Lankan fishing vessel Bihadu reported adrift 05-32N 084-32E at 110300 UTC Jul 16 due engine failure. 2. Cancel this MSG 141000 UTC Jul 16.</p>														
<p>436. Se Lakshadweep Sea. Charts 23 INT 71. Sri Lankan fishing vessel Menik reported adrift 06-03N 078-30E at 101030 UTC Jul 16 due engine failure. 2. Cancel this MSG 131000 UTC Jul 16.</p>														
<p>437. Cancel NAVAREA MSG 434 and this MSG.</p>														
<p>438. Indian Ocean. Charts INT 70 71. Hazardous operations atmospheric re-entry and splashdown of launch vehicle upper stage on 18 Jul 16 from 0528 to 0558 UTC in area bounded by 18-43S 077-50E, 26-32S 083-07E, 34-10S 091-57E, 40-35S 101-16E, 46-45S 113-11E, 52-02S 132-11E, 53-03S 147-21E, 52-39S 156-13E, 051-59S 156-00E, 49-31S 132-11E, 41-42S 110-02E, 31-15S 093-51E, 18-19S 078-44E, 10-43S 077-50E. 2. Cancel this MSG 180700 UTC Jul 16.</p>														
<p>439. India East Coast. Charts 262 355 INT 706. Rig list correct at 141002 UTC Jul 16.</p> <table border="0"> <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>16-20.00N 081-59.00E NEW</td> </tr> <tr> <td>SAGAR BHUSHAN</td> <td>16-31.49N 082-23.61E</td> </tr> <tr> <td>GSF – 140</td> <td>08-56.75N 079-05.00E NEW</td> </tr> <tr> <td>DDKG 2</td> <td>16-41.80N 082-41.60E NEW</td> </tr> <tr> <td>DS MATDRILL</td> <td>15-38.13N 080-48.76E NEW</td> </tr> </table> <p>2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 380.</p>	ABAN II	16-23.23N 082-01.41E	RIG 805	16-40.18N 082-25.72E	SAGAR RATNA	16-20.00N 081-59.00E NEW	SAGAR BHUSHAN	16-31.49N 082-23.61E	GSF – 140	08-56.75N 079-05.00E NEW	DDKG 2	16-41.80N 082-41.60E NEW	DS MATDRILL	15-38.13N 080-48.76E NEW
ABAN II	16-23.23N 082-01.41E													
RIG 805	16-40.18N 082-25.72E													
SAGAR RATNA	16-20.00N 081-59.00E NEW													
SAGAR BHUSHAN	16-31.49N 082-23.61E													
GSF – 140	08-56.75N 079-05.00E NEW													
DDKG 2	16-41.80N 082-41.60E NEW													
DS MATDRILL	15-38.13N 080-48.76E NEW													
<p>440. India West Coast. Off Trivandrum Charts 22 222 INT 71 Rocket Launch from Thumba (08-31.98N 076-52.05E) scheduled on 20 Jul 16 from 0530-0730 UTC. 2. Danger zone. (A) Sector of radius 05 NM from Thumba between azimuth 190 and 300. (B) Sector of radii 45 and 75 NM from Thumba between azimuth 220 and 260. 3. Cancel this MSG 200830 UTC Jul 16.</p>														
<p>441. Andaman Sea – South of Barren I Charts 41 473 INT 71. Firing practice scheduled on 21 and 22 Jul 16 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-20E. Safe Flying height 1.5 KM. 2. Cancel this MSG 221030 UTC Jul 16.</p>														
<p>442. India West Coast – Okha. Charts 21 203 2068 INT 705. Firing by Naval Coast Battery scheduled on 21 Jul 16 from 0530-0730 UTC. 2. Danger area extending seaward upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E. Safe Flying height 13KM. 3. Cancel this MSG 210830 UTC Jul 16.</p>														
<p>443. NAVAREA VIII WARNINGS IN FORCE AS ON 15 JUL 16 <u>2015 SERIES</u> – 287 334 386 646 735 <u>2016 SERIES</u> – 064 356 371 387 400 401 416 417 418 420 421 422 423 427 430 432 438 439 440 441 442 (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.NIC.IN 2. Cancel this MSG 221000 UTC Jul 16.</p>														

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
D7337.5	JAZIREH- YE LARAK - North	26 53.25 N 56 21.37 E	Fl(2)W 10s	20	12		
		*	*	*	*	*	*
D7339.5	-Jazireh- ye Hengam	26 37.38 N 55 53.22 E	Fl W 10s	15	18		
*	*	*	*	*	*	*	*
F0671	Azhikal	11 56.52 N 75 18.12 E	Fl(2)W8s	27	10	..	
							*
F1064.3	Mun Aung Island. Ohnchaung.Front	18 50.90 N 93 44.60 E	Oc R 4s	9	5	Grey metal framework tower 7	
		*	*	*	*	*	*
F1064.31	Mun Aung Island. Ohnchaung.Rear	18 51.10 N 93 44.45 E	Oc W 4s	12	5	Grey metal framework tower 7	
*	*	*	*	*	*	*	*
F1205	PORT BLAIR North Point	11 42.29 N 92 45.29 E	Fl(2)W 12s	72	20	White round metal tower, red diagonal stripes 35	fl 0.3, ec 2.7, fl 0.3,ec 8.7
	--	..	Racon	..	..	..	ILRS Vol 2 Station 79570
							*
F1616-5	-- N	03 00.91 N 100 51.89 E	Fl W 3s	30	15	White round tower on piles	
	---	..	Racon	..	..	..	ILRS Vol 2 Station 79860 TD 2016
F1736.983	- TgSetapa.MOLFSY (MY)	01 20.34 N 104 08.35 E	Fl Y 5s				
*	*	*	*	*	*	*	*
F1736.985	- Tg Setapa.MOLF3(MY)	01 20.06 N 104 08.23 E	Fl (2)G 10s				
*	*	*	*	*	*	*	*
F1736.988	- Tg Setapa.MOLF4(MY)	01 20.13 N 104 08.06 E	Fl(2)R10s				
*	*	*	*	*	*	*	*
F1736.99	- Tg Setapa.MOLF1(MY)	01 19.88 N 104 08.16 E	Fl G 3s				
*	*	*	*	*	*	*	*
F1736.995	- Tg Setapa.MOLF2(MY)	01 19.88 N 104 07.96 E	Fl R 3s				
*	*	*	*	*	*	*	*
K0932	-	02 14.43 S 104 54.91 E	Oc W 5s	10	5	White beacon	ec 0.5
	*	*	*	*	*	*	*
K0932.1	Remove from list ; deleted						
K0934	Remove from list ; deleted						
K0934.1	Remove from list ; deleted						

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
K0936	- Tg Buyut	02 19.28 S 104 54.87 E	F W *	33	6	Mast 30	
K0937	- Pulau Payang	02 21.30 S 104 55.28 E	F W 1.5s *	..	10	White Beacon *	
K0938	- Sungsang. Ldg Lts 194.5°. Front	02 22.56 S 104 54.31 E	Oc W 5c *	14	5	on white beacon *	*
K0938.4	- Parit. Ldg Lts 154°. Front. (Musi River)	02 26.29 S 104 56.40 E	FI W 5s *	14	5	White Δ on white beacon *	fl 1
K0938.41	- Parit. Ldg Lts 154°.Rear	02 26.44 S 104 56.48 E	FI W 5s *	30	5	White ∇ on white beacon *	fl 1. Vis 151°-157°(6°) *
K0939	- NE of Kramat Island (Musi River)	02 31.21 S 104 56.43 E	FI R 5s *	10	5	Red \square on red metal framework tower *	*
K0939.2	- Singris Island	02 34.24 S 104 56.72 E	FI R 5s *	8	5	Red \square on red beacon *	fl 0.5. *
K0939.6	- Sungai Sedumara (Sudimara)	02 36.43 S 104 57.38 E	FI R 5s *	10	5	Red \square on red beacon *	*
K0939.64	- Pegadjan	02 37.03 S 104 56.42 E	FI G 6s *	17	5	Green pole *	*
K0939.7	- Ayam Island	02 39.90 S 104 56.57 E	FI W 5s *	10	5	White beacon *	*
K0939.8	- Upang	02 42.62 S 104 57.41 E	FI R 5s *	10	5	Red red beacon *	*
K0940	- E bank. S of Upang	02 45.41 S 104 57.48 E	FI R 5s *	10	5	Red beacon *	*
K0940.4	- W Bank	02 46.07 S 104 56.53 E	FI W 5s *	6	8	White Δ on white beacon *	fl 0.5
K0941.4	- Jaran. Ldg Lts 218°. Front	02 48.70 S 104 54.61 E	FI W 5s *	10	5	White Δ on white beacon 10 *	*
K0941.41	- - - Rear. 457m from front	02 48.98 S 104 54.46 E	FI W 4s *	16	8	White ∇ on white metal framework tower 15 *	fl 1
K0942	- Burung (Musi River)	02 51.49 S 104 53.71 E	FI G 5s *	12	5	Green Δ on green beacon 10 *	*
K0943	Remove from list ; deleted						

7.3

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
K0943.4	- Borang	02 56.97 S 104 52.08 E	Fl G 5s *	12 *	6	Green beacon *	<i>f/2.</i> *
K0945	- *	02 57.04 S 104 53.20 E	Fl R 5s *	12 *	5 *	Red beacon *	*
K0945.5	-	02 58.49 S 104 51.06 E *	Lit	..	..	Yellow beacon on dolphin	
K0945.6	-	02 58.53 S 104 50.99 E *	Lit	..	..	Yellow beacon on dolphin	

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

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

NIL

INP 31(2), 2014

(Last correction: Edition No. 12 dated 16Jun2016)

PAGE 26, INDONESIA (Sumatera)
86320 Sungai Palembang Rear Ldg Lt.
Delete entry

(Source: BA 26/16)

(14 /16)

INP 31(5), 2011

(Last correction: Edition No. 11 dated 01 Jun 2016)

PAGE 74, INDONESIA (Kalimantan),
Insert below BALIKPAPAN

Banjarmasin	03°19'.67S	005251520	20	Operational
	114°35'.58E			

Note: Associated RCC is not known

(Source: BA 26/16)

(14 /16)

PAGE 79, INDONESIA (Kalimantan),
Insert below BALIKPAPAN

Banjarmasin	03°19'.67S	005251520	100	Operational
	114°35'.58E			

Note: Associated RCC is not known

(Source: BA 26/16)

(14 /16)

PAGE 82, INDONESIA (Kalimantan), below BALIKPAPAN
Insert below BALIKPAPAN

Banjarmasin	005251520	8Mhz	Operational
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Note: Associated RCC is not known

(Source: BA 26/16)

(14 /16)

8.2

INP 31(6), 2012

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

NIL

SECTION – IX
CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS

Indian Notices to Mariners, Special Edition-2012
Special Notice No. 16(Page 148)
(Source: NIOT - Chennai)

Article 8

Delete and replace by,

8. **Buoy Locations.**

ARABIAN SEA MET OCEAN BUOY LOCATIONS

Sl.No	Buoy Id/Types	Latitude (N)	Longitude (E)
01	AD02/MB	14°51'.883N	68°54'.866E
02	AD04/MB	08°29'.966N	73°05'.233E
03	AD06/OB	18°30'.883N	67°28'.283E
04	AD07/OB	14°57'.965N	68°59'.366E
05	AD08/OB	11°46'.1N	68°35'.8E
06	AD09/OB	08°15'.2N	73°21'.00E
07	AD10/OB	10°19'.066N	72°35'.316E
08	CALVAL/MB	10°36'.306N	72°13'.783E
09	CB02/CB	10°52'.433N	72°12'.533E
10	CB04/CB	15°24'.233N	73°46'.133E

ARABIAN SEA TSUNAMI BUOY LOCATIONS

Sl.No	Buoy Id/Types	Latitude (N)	Longitude (E)
01	TB12/TB	20°20'.3N	67°32'.833E
02	STB02/TB	20°48'.00N	65°25'.00E

BAY OF BENGAL MET OCEAN BUOY LOCATIONS

Sl.No	Buoy Id/Types	Latitude (N)	Longitude (E)
01	BD08/OB	18°09'.95N	89°39'.116E
02	BD09/OB	17°50'.883N	89°40'.50E
03	BD10/OB	16°30'.016N	87°58'.8E
04	BD11/OB	13°29'.116N	84°00'.066E
05	BD12/OB	10°29'.916N	94°01'.833E
06	BD13/OB	14°00'.566N	86°58'.883E
07	BD14/OB	06°35'.016N	88°14'.933E
08	CB01/CB	11°35'.333N	92°35'.750E
09	CB06/CB	13°06'.035N	80°19'.066E

BAY OF BENGAL TSUNAMI BUOY LOCATIONS

Sl.No	Buoy Id/Types	Latitude (N)	Longitude (E)
01	TB03/TB	06°19'.116N	88°36'.00E
02	TB05/TB	10°59'.683N	89°36'.366E
03	TB06/TB	14°43'.566N	89°35'.816E
04	TB09/TB	17°18'.316N	89°46'.766E
05	STB01/TB	06°15'.00N	88°48'.00E

9.2

06	STB03/TB	03°48'.6N	91°42'.00E
07	STB04/TB	10°00'.00N	88°30'.00E
08	STB05/TB	13°30'.00N	89°00'.00E

Note: CB - Coastal Buoy MB - Met Buoy OB - Omni Buoy TB - Tsunami Buoy
The present positions of the buoys may be obtained from the latest edition of Indian Notices to Mariners.

SECTION – X **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.

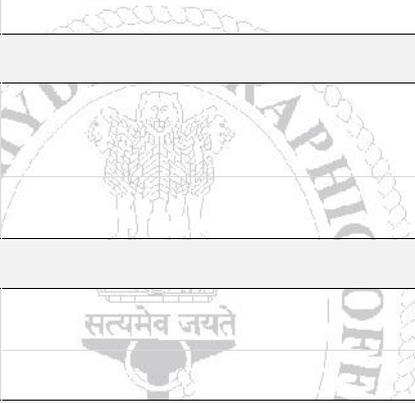
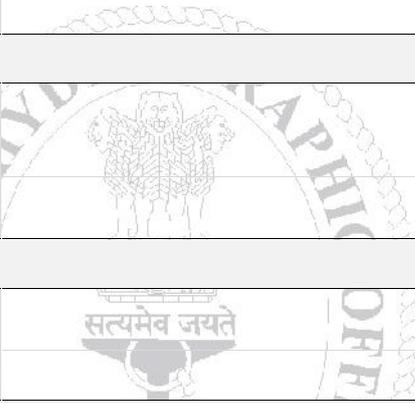
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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

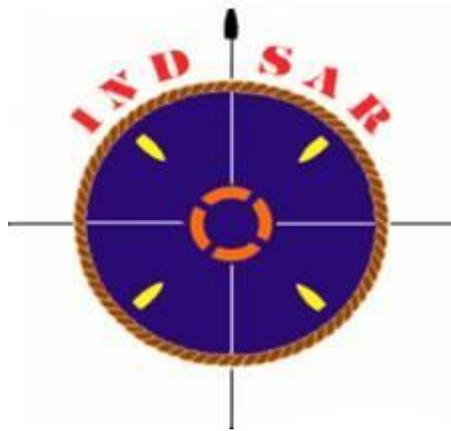


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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