



# INDIAN NOTICES TO MARINERS

EDITION NO. 12 DATED 16 JUN 2018

(CONTAINS NOTICES 107 TO 118)



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

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



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

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

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

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

### III

## **EXPLANATORY NOTES**

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

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

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

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

**Use of Global Positioning System (WGS 84) positions.**

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

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

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

## NEWLY PUBLISHED INDIAN CHARTS, ENC<sub>s</sub> AND PUBLICATION

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN63006U	3006	KUKRAHATI REACH TO ROYAPUR CROSSING	01-06-2018
IN53006Y	3006	ROYAPUR CROSSING TO KOLKATA DOCKS	01-06-2018
IN53006D	3006	KOLKATA DOCKS	01-06-2018

2. 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>
IN3203GK	203	GULF OF KUCHCHH EXTENSION TO NAVLAKHI	11-06-2018

3. 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>
IN53006K	3006	KUKRAHATI REACH TO ROYAPUR CROSSING	20-11-2008
IN53006K	3006	ROYAPUR CROSSING TO CALCUTTA DOCKS	20-11-2008
IN63006C	3006	CALCUTTA DOCKS	05-12-2008
IN3203GK	203	GULF OF KUCHCHH EXTENSION TO NAVLAKHI	30-09-2010

4. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
217	KUNDAPURA (COONDAPOOR) TO KASARAGOD	1,50,000	New Chart
220	TANUR NAGARAM TO MANAKKODAM	1,50,000	New Chart
221	ALLEPPEY TO QUILON	1,50,000	New Chart

**Availability of ENC's**

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

<p><b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a></p>	<p><b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a>, <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a></p>
<p><b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a></p>	<p><b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>



**SECTION – I**

The list of charts affected by the Notices 107 to 118 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	116(T)
31 (INT 756)	5	118(T)
32 (INT 754)	5	118(T)
33 (INT 755)	5	118(T)
203 (INT 7319)	2	108, 116(T)
217	4	117(T)
258 (INT 7348)	4	117(T)
272	4	117(T)
291	2	116(T)
293 (INT 7022)	3	117(T)
352 (INT 7416)	5	111
353 (INT 7413)	5	111
356 (INT 7400)	5	118(T)
391	5	118(T)
2002 (INT 7351)	4	117(T)
2033 (INT 7341)	2	108
2079 (INT 7329)	2	108
2080	2	108, 116(T)
2083 (INT 7339)	2	108
2100 (INT 7344)	2	109
2101 (INT 7347)	3	110
2107	2	107
2359 (INT 7350)	4	117(T)
2514 (INT 7739)	1	114,115
3005	5	111
3006 (INT 7423)	5	113
3013 (INT 7422)	5	112
3034	5	118(T)

**SECTION – II**  
**PERMANENT NOTICES**

**\*107 (12/18) INDIA – WEST COAST – Gulf of Kachchh–Mundra Port–West Basin–Buoy.**

Source: NHO, Dehradun.

**Chart 2107** [previous update 144/17]

Insert Characteristic “Q.G” to buoy 22° 44′.62N., 69° 34′.33E.

**\*108 (12/18) INDIA – WEST COAST – Sikka Creek– Racon.**

Source: Reliance Jamnagar.

**Chart 203 (INT 7319)** [previous update 037/18]

Delete  Racon (O) 22° 36′.58N., 69° 49′.93E.

Racon (R) 22° 34′.35N., 69° 47′.18E.

**Chart 2080** [previous update 195/16]

Delete  Racon (O) 22° 36′.58N., 69° 49′.93E.

Racon (R) 22° 34′.35N., 69° 47′.18E.

**Chart 2079 (INT 7329)** [previous update 144/17] सत्यमेव जयते

Delete  Racon (O) 22° 36′.55N., 69° 49′.93E.

**Chart 2083 (INT 7339)** [previous update 182/16]

Delete  Racon (O) 22° 36′.58N., 69° 49′.93E.

Racon (R) 22° 34′.35N., 69° 47′.18E.



**Chart 2083 (INT 7339) (Plan)** [previous update 182/16]

Delete  22° 29′.502N., 69° 50′.178E.

**Chart 2033 (INT 7341)** [previous update 182/16]

Delete  22° 29′.502N., 69° 50′.178E.


**\*109 (12/18) INDIA – WEST COAST – Approaches to Port Pipavav – Recommended Route.**

Source: NHO, Dehradun.

**Chart 2100 (INT 7344)** [previous update 123/17]

Delete Pecked line, joining: 20° 47′.30N., 71° 35′.00E. (E Border)

20° 40′.80N., 71° 24′.14E. (S Border)

Legend “Recommended Route (See Note)” &  20° 42′.70N., 71° 28′.90E.

centered on:

See Note “RECOMMENDED ROUTE”, centered on: 20° 55′.30N., 71° 26′.50E.

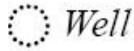


**\*110 (12/18) INDIA – WEST COAST – Approaches to Hazira– Well.**

Source: NHO, Dehradun.

**Chart 2101 (INT 7347)** [previous update 150/17]

Insert



21° 02′.61N., 72° 34′.85E.

**\*111 (12/18) INDIA – EAST COAST – Gopalpur Port – Port Limit.**

Source: Gopalpur Ports Limited.

**Chart 353 (INT 7413)** [previous update 065/15]

Insert

Port limit, pecked line, joining:

19° 15′.34N., 84° 54′.44E. (Shore)

19° 13′.80N., 84° 56′.02E.

19° 20′.50N., 85° 05′.00E.

19° 22′.23N., 85° 03′.61E. (Shore)

19° 17′.20N., 85° 00′.00E.

Legend “Limit of Port of Gopalpur”, centered on:

**Chart 352 (INT 7416)** [previous update 097/18]

Insert

Port limit, pecked line, joining:

19° 15′.34N., 84° 54′.44E. (Shore)

19° 13′.80N., 84° 56′.02E.

19° 20′.50N., 85° 05′.00E.

19° 22′.23N., 85° 03′.61E. (Shore)

19° 17′.20N., 85° 00′.00E.

Legend “Limit of Port of Gopalpur”, centered on:

**Chart 3005** [previous update 102/18]

Insert

Port limit, pecked line, joining:

19° 15′.34N., 84° 54′.44E. (Shore)

19° 13′.80N., 84° 56′.02E.

19° 20′.47N., 85° 04′.97E. (E Border)

and

19° 20′.54N., 85° 04′.97E. (E Border)

19° 21′.50N., 85° 04′.20E. (N Border)

Legend “Limit of Port of Gopalpur”, centered on:

19° 17′.05N., 85° 00′.20E.

19° 21′.00N., 85° 04′.50E.

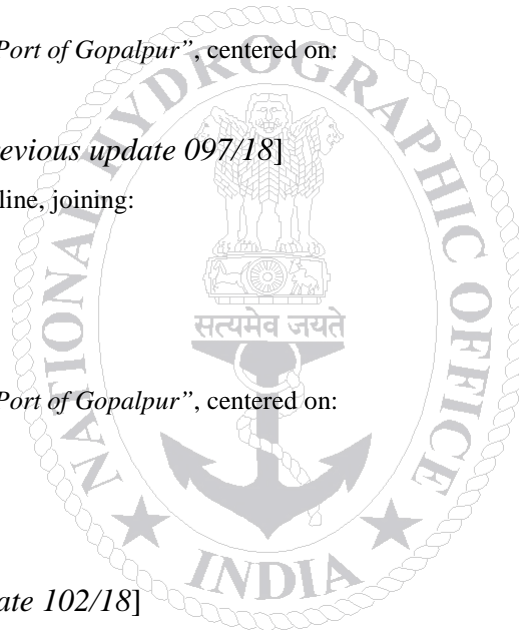
Delete

Port limit, pecked line, joining:

19° 15′.35N., 84° 54′.44E. (Shore)

19° 13′.81N., 84° 56′.02E.

19° 17′.05N., 84° 59′.93E.



**\*111 (12/18) INDIA – EAST COAST – Gopalpur Port – Port Limit. (Continued).**

19° 18′.62N., 84° 58′.30E. (Shore)

Legend “*Limit of Port of Gopalpur*”, centered on:

19° 16′.17N., 84° 58′.82E.

19° 17′.67N., 84° 59′.22E.

**\*112/(12/18) INDIA – EAST COAST – Hugli River - Haldia to Kukrahati Reach – Bearing Line.**

Source: NHO, Dehradun.

**Chart 3013 (INT 7422)** [previous update 103/18]

Delete Bearing line, joining 22° 01′.70N., 88° 03′.13E.

22° 00′.18N., 88° 03′.80E.

Legend “Structure &amp; Drum Mk ≠ 337,5°”, centered on:

22° 00′.43N., 88° 03′.73E.

**\*113 (12/18) INDIA – EAST COAST – Hugli River – Kukrahati Reach to kolkata Docks – Wreck, Buoy, Leading Line, Legend.**

Source: NHO, Deharadun.

**Chart 3006 (INT 7423) (Plan 1)** [previous update NC 31 Dec 17]

Amend Read as “224,8°” for “222.8°” 22° 22′.83N., 88° 05′.95E.

Delete  22° 23′.80N., 88° 07′.73E.

Text “G” 22° 11′.88N., 88° 03′.82E.

**Chart 3006 (INT 7423) (Plan 2)** [previous update NC 31 Dec 17]Insert  22° 33′.10N., 88° 19′.44E.

Amend Read as “AS No 3” for “AS No 1” 22° 27′.86N., 88° 07′.02E.

**\*114 (12/18) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis – Legend.**

Source: Hydrographic Unit, Mauritius.

**Chart 2514(INT 7739)** [previous update 052/17]Substitute legend “*Maintained depth 16,5m*” for legend “*Maintained depth 14,5m*” centered on ; 20° 08′.42S., 57° 29′.29E.**Chart 2514(INT 7739) Plan** [previous update 152/17]Substitute legend “*Maintained depth 16,5m*” for legend “*Maintained depth 14,5m*” centered on ; 20° 08′.42S., 57° 29′.10E.legend “*Depth 16,5m*” for legend “*Depth 14,5m*” centered on ; 20° 08′.40S., 57° 29′.44E.legend “*Maintained depth 13,5m*” for legend “*Maintained depth 13,0m*” centered on ; 20° 08′.61S., 57° 28′.72E.legend “*Dredged to 12,5m(2017)*” for legend “*Dredged to 12,2m(2015)*” centered on ; 20° 09′.07S., 57° 29′.51E.










**\*115 (12/18) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis – Wreck, Buoy, Tower.**

Source: Hydrographic Unit, Mauritius.

**Chart 2514(INT 7739) [previous update 114/18]**

Insert		20° 08′.93S., 57° 28′.71E.
		20° 07′.98S., 57° 30′.18E.

**Chart 2514(INT 7739) Plan [previous update 114/18]**

Insert		20° 08′.93S., 57° 28′.71E.
		20° 07′.98S., 57° 30′.18E.
		20° 09′.59S., 57° 29′.89E.
Delete	 No 1	20° 09′.59S., 57° 29′.91E.
	 No 4	20° 09′.25S., 57° 29′.43E.
		20° 08′.97S., 57° 29′.43E.
		20° 08′.79S., 57° 28′.61E.
		20° 08′.85S., 57° 29′.22E.
	 No 1	20° 08′.75S., 57° 29′.02E.



**SECTION – III****TEMPORARY AND PRELIMINARY NOTICES****\*116(T)/(12/18) INDIA – WEST COAST – GULF Of KACHCHH – Gulf of Kachchh Eastern Portion – Unlit Vessel.**

Source: Deendayal Port Trust.

- Four unlit ships without AIS reported in the following position at outer anchorage of Kandla:

<u>Sl. No.</u>	<u>Ship Name</u>	<u>Position</u>
(a)	MV Nautical Global VII	22° 47′.95N., 70° 02′.75E.
(b)	MV Nautical Global XVI	22° 46′.61N., 70° 01′.59E.
(c)	Maharshi Krishnatreya	22° 47′.66N., 70° 04′.42E.
(d)	Maharshi Mahatreya	22° 46′.95N., 70° 06′.26E.

- Mariners are advised to keep sharp lookout and keep well clear from the above mentioned vessels while navigating in the area.

**Charts affected – 21 – 203 (INT 7319) – 291 – 2080.****\*117(T) (12/18) INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Port Information.**

Source: Department of Ports &amp; Inland Transport – Karnataka Government.

- The Old Mangalore Port will be officially closed for monsoon/ foul weather with effect from **16 May 2018**. The spherical buoy which is laid for channel marking at entrance of the channel is withdrawn.
- All Mariners, Tindels, Owners and Operators of all Vessels are hereby cautioned to note the above warning. The vessel entering/ leaving the Old Mangalore Port after the above date are doing so at their own risk.
- Mariners are advised to contact local port authorities for more information.
- Charts Affected – 293 (INT 7022) – 272 – 258 (INT 7348) – 217 – 2359 (INT 7350) – 2002 (INT 7351).**

**\*118(T)/(12/18) INDIA – EAST COAST – Approaches to Krishnapatnam – Buoy.**

Source: Krishnapatnam Port Co. Ltd.

- Following buoys are removed for maintenance:

<u>Buoy No.</u>	<u>Position</u>	<u>Characteristic</u>
No.11	14°15′.09N., 080°10′.14E	Q.G
No.13	14°15′.00N., 080°09′.33E	Fl.G.5s

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

**Charts affected – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 3034.**

## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

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

Mauritius (Cassis) - Operational

Seychelles (Mahe)-Operational

Following new Navtex stations along the Indian coast have commenced operations:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
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)	Balasure	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.

#### 3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

#### **4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01<sup>st</sup> April 2018).

(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) 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/ IRRIDIUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

#### **7. CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

**List of Indian Chart Agents**

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>E.W.Liner Charts &amp; Publication (India)</b> 2/524, Sandeep Road, ChinnaNeelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a> Web: <a href="http://www.ewliner.com">www.ewliner.com</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: <a href="mailto:sales@elemscharts.in">sales@elemscharts.in</a> Web: <a href="http://www.elemscharts.in">www.elemscharts.in</a></p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-48/4, Seetammappeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : <a href="mailto:mahalakshmitravels99@gmail.com">mahalakshmitravels99@gmail.com</a> <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiiindia.in">tusarkantha@gmiiindia.in</a> Web: <a href="http://www.gmiiindia.in">www.gmiiindia.in</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> <a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>

**SECTION – V****NAVAREA – VIII WARNINGS IN FORCE**

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

2. NAVAREA VIII Warnings in force as on 15Jun18:

<b>2017 SERIES</b> – 305 345 394 493685 723 762 814 829 866 872 876
<b>2018 SERIES</b> – 028 047 049 145 168 185 186 222 301 312 314 341 343 348 372 375 386 403 414 416 418 424 425 426 428 434 440 442 445 448 450 451 452 453 454 455 456 457 458 459 460

3. NAVAREA VIII Warnings issued during the period from 01Jun 18to 15Jun18(both dates inclusive) are as tabulated below:–

<p><b>432. NE Indian Ocean and Bay of Bengal.</b> Charts 31 33 351 INT 71.Experimental flight trial scheduled from ITR on 03, 04 Jun 18 from 0300-0700 UTC in danger zone bounded by 20-48.36N 087-02.58E, 19-03.39N 086-26.3E, 08-10.5S 087-05.29E, 07-46.62S 091-55.3E, 19-11.29N 088-02.33E, 20-48.76N 087-07.4E.</p> <p>2. Cancel NAVAREA 429/18 and this MSG 040800 UTC Jun 18.</p>
<p><b>433. India East Coast- Vishakhapatnam.</b>Charts 31 308 354 3002 INT 71. Firing by naval coast battery scheduled on 06 Jun 18 from 0001 - 0130 UTC in danger sector extending upto17 NM between bearing 070 and 130 from 17-42N 083-18E.</p> <p>2. Cancel this MSG 060230 UTC Jun 18.</p>
<p><b>434. Andaman Sea – Nicobar.</b> Charts 33 41 409 471 472 4036 INT 71. Tries LT FL (4) 20S 26M 10 NM established 07-28.46N 093-39.013E on trial run.</p>
<p><b>435. Cancel NAVAREA VIII 311/18 and this MSG.</b></p>
<p><b>436. NAVAREA VIII – warnings in force as on 01 Jun 2018.</b>  <b>2017 SERIES</b> – 305 345 394 493 685 723 762 814 829 866 872 876  <b>2018 SERIES</b> - 028 047 049 145 168 185 186 222 301 312 314 341 343 348 360 372 375 384 386  403 408 409 414 416 418 422 423 424 425 426 428 430 431 432 433 434 435  (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 <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>2. Cancel this MSG 081830 UTC Jun 18.</p>
<p><b>437. India West Coast – off Mumbai.</b> Charts 22 255 256 293 INT 71. Submarine search and rescue exercise by Indian naval units scheduled daily from 04-08 Jun 18 from 0001-1400 UTC in area bounded within 18-15N to 18-22N and 071-18E to 071-27E . Wide berth requested.</p> <p>2. Cancel this MSG 090001 UTC Jun 18.</p>
<p><b>438. Andaman Sea – off Barren.</b>Charts 41 473 INT 71. Firing practice by CG Aircraft scheduled on 07, 08 Jun 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E.</p> <p>2. Cancel this MSG 081030 UTC Jun 18.</p>
<p><b>439. India West Coast– Gulf of Kachchh.</b> Charts 21 203 2068 INT 71. buoysNarara retrieved and Dhanirelaid 22-36.85N 069-27.75E.</p> <p>2. Cancel NAVAREA VIII MSG 409/18.</p>
<p><b>440. India West Coast– Gulf of Kachchh.</b> Charts 21 203 2068 INT 71. Buoys Narararelaid 22-35.91N 069-36.02E and North Cardinal unlit.</p> <p>2. Cancel NAVAREA VIII MSG 439/18.</p>
<p><b>441. Central Arabian Sea.</b>Chart INT 71. Yellow pillar buoy without topmark reported 16-11.56N 068-44.19E.</p> <p>2. Cancel this MSG 131030 UTC Jun 18.</p>
<p><b>442. Andaman Sea – off Barren.</b> Charts 41 473 INT 71. Firing practice by CG aircraft scheduled on 13, 14, 18, 19, 25, 26 Jun 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E.</p> <p>2. Cancel this MSG 261030 UTC Jun 18.</p>
<p><b>443. India West Coast – off Netrani I.</b>Charts 22 216 257 293 2072 INT 71. Firing by naval ships scheduled on 13 Jun 18 from 0100 - 0730 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.07E.</p> <p>2. Cancel this MSG 130830 UTC Jun 18.</p>
<p><b>444. Cancel NAVAREA VIII 423/18 and this MSG. INTM 106(T) refers.</b></p>
<p><b>445. India West Coast.</b>Charts 22 213 214 257 293 2043 2046 INT 71. Vengurla(15-51N 073-37E) NAVTEX transmitter inoperative.</p>
<p><b>446. NAVAREA VIII – WARNINGS in force as on 08 Jun 2018</b>  <b>2017 SERIES</b> – 305 345 394 493 685 723 762 814 829 866 872 876  <b>2018 SERIES</b> - 028 047 049 145 168 185 186 222 301 312 314 341 343 348 372 375 384 386 403</p>



<p><b>446. Continued.</b> 414 416 418 422 424 425 426 428 431 434 437 440 441 442 443 444 445 (A) NAVAREA VIII warnings less than 42 days promulgated via Safetynet. (B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 151830 UTC Jun 18.</p>										
<p><b>447. India West Coast – off Mumbai.</b> Charts 22 255 292 INT 71. Large yellow buoy reported adrift 070-1.2 kt with tow rope in position 18-40.2N 072-01.6E at 101030 UTC Jun 18. 2. Cancel this MSG 141000 UTC Jun 18.</p>										
<p><b>448. India West Coast – off Mumbai.</b> Charts 22 211 255 292 INT 71. Uttan DGPS (19-17N 072-47E) off.</p>										
<p><b>449. Cancel NAVAREA VIII 447/18 and this MSG.</b></p>										
<p><b>450. India West Coast – off Porbandar.</b>Charts 21 204 252 292 INT 71. MT Jalarak reported grounded 21-34.9N 069-39.2E.</p>										
<p><b>451. ANDAMAN SEA.</b>Charts 41 404 473 4014 INT 71. Narcondam Lt (13-27N 094-15E) and Strait Lt (12-12N 092-56E) unlit.</p>										
<p><b>452. India West Coast – Kandla Port.</b> Charts 21 203 2080 INT 71. Barge Girija3 reported capsized and partially submerged 22-50.08N 070-06.55E. Wide berth advised.</p>										
<p><b>453. India East Coast- off SagarI.</b>Charts 31 301 351 INT 71. Abandoned MV SSL Kolkata reported 21-12N 088-35E drifting SE at 140830 UTC Jun 18. All crew rescued.</p>										
<p><b>454. India East Coast – off Gopalpur.</b> Charts 31 352 353 3005 INT 71. Army air defence firing and BPTA flight scheduled daily from 19-22 and 26-30 Jun 18 from 0130-0830 and 0930-1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 40 nm radius joining point B and C. 2. Cancel this MSG 301530 UTC Jun 18.</p>										
<p><b>455. India West Coast – Kochi.</b> Charts 22 220 260 2029 INT 71. Firing by navy scheduled on:</p> <table border="0"> <thead> <tr> <th>DATE</th> <th>TIME (UTC)</th> </tr> </thead> <tbody> <tr> <td>19 JUN 18</td> <td>0900-1200</td> </tr> <tr> <td>22 JUN</td> <td>0900-1200 AND 1230-1430</td> </tr> <tr> <td>26 JUN</td> <td>0900-1200</td> </tr> <tr> <td>29 JUN</td> <td>0900-1200 AND 1230-1430</td> </tr> </tbody> </table> <p>2. Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. 3. Cancel this MSG 291530 UTC Jun 18.</p>	DATE	TIME (UTC)	19 JUN 18	0900-1200	22 JUN	0900-1200 AND 1230-1430	26 JUN	0900-1200	29 JUN	0900-1200 AND 1230-1430
DATE	TIME (UTC)									
19 JUN 18	0900-1200									
22 JUN	0900-1200 AND 1230-1430									
26 JUN	0900-1200									
29 JUN	0900-1200 AND 1230-1430									
<p><b>456. India West Coast - off Trivandrum.</b> Charts 22 222 260 INT 71. Rocket launch from Thumba(08-31.98N 076-52.05E) scheduled on 20 Jun 18 from 0530-0730 UTC. 2. Danger sector: (A) Radius of 05 nm from Thumba between azimuth 190 and 300. (B) Radii of 45 and 75 nm from Thumba between azimuth 220 AND 260. 3. Cancel this MSG 200830 UTC Jun 18.</p>										
<p><b>457. India West Coast – Okha.</b>Charts 21 203 2068 INT 71. Firing by naval coast battery scheduled on 20 Jun 18 from 0530-0730 UTC. 2. Danger sector extending upto12 nm within bearing 300 to 020 from 22-28.04N 069-04.99E. 3. Cancel this MSG 200830 UTC Jun 18.</p>										
<p><b>458. India West Coast – off Mumbai.</b> Charts 21 253 254 255 292 INT 71. SV Fugro Mapper progressing survey using towed sonar in area bounded by 20-01.74N 070-57.01E, 20-01.23N 071-36.53E, 18-56.64N 071-35.66E, 18-56.98N 071-08.43E, 19-06.22N 070-56.34E. Wide berth requested. 2. Cancel this MSG 301830 UTC Jun 18.</p>										
<p><b>459. India West Coast – off Porbandar.</b> Charts 21 204 205 252 INT 71. Firing from Kathiawar range scheduled daily from 18 - 22 Jun 18 from 0230-1030 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E. 2. Cancel this MSG 221130 UTC Jun 18.</p>										
<p><b>460. NAVAREA VIII – Warnings in force as on 15 Jun 2018</b> <b>2017 SERIES</b> – 305 345 394 493 685 723 762 814 829 866 872 876 <b>2018 SERIES</b> - 028 047 049 145 168 185 186 222 301 312 314 341 343 348 372 375 386 403 414 416 418 424 425 426 428 434 440 442 445 448 450 451 452 453 454 455 456 457 458 459 (A) NavareaVIII Warnings less than 42 days promulgated via Safetynet. (B) Text of NavareaVIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 221830 UTC Jun 18.</p>										

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

NIL



## 7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7406.02	- Al Juffair	26 11.76N 50 36.17E	Q R	..	..	Red Beacon	
*	*	*	*	*	*	*	*
D7406.03	- Al Juffair	26 11.75N 50 36.05E	FI R 2s	..	..	Red Beacon	
*	*	*	*	*	*	*	*
D7406.05	- Al Juffair	26 11.72N 50 35.95E	FI R 3s	..	..	Red Beacon	
*	*	*	*	*	*	*	*
D7406.13	- Port of Sitrah	26 10.68N 50 37.93E	FI Y	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7406.15	- Port of Sitrah	26 10.43N 50 38.30E	FI Y	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7406.155	- Port of Sitrah	26 10.29N 50 38.30E	FI Y 5s	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7406.16	- Port of Sitrah. Channel mark	26 10.39N 50 38.92E	VQ Y	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7406.163	- Port of Sitrah. Channel mark	26 10.23N 50 38.60E	FI Y	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7406.166	- Port of Sitrah. Channel mark	26 10.22N 50 37.78E	Q Y	..	..	Yellow Beacon	
*	*	*	*	*	*	*	*
D7407.1	Remove from List; deleted						
D7407.2	Remove from List; deleted						
D7653.6	- No 25	30 12.19N 48 57.85E	FI G 6s	..	12	Green Beacon	
*	--	..	AIS	*	*	*	*
D7655.6	- No 40	30 22.82N 48 54.29E	FI R 3s	..	12	Red Beacon	
*	--	..	AIS	*	*	*	*
D7655.8	-No 31	30 23.99N 48 55.77E	FI G 3s	..	12	Green Beacon	
*	--	..	AIS	*	*	*	*
D7655.9	- No. 42	30 24.55N 48 55.73E	FI R 3s	..	12	Red Beacon	
*	--	..	AIS	*	*	*	*
F0381	GULF OF KACHCHH. PORT OF SIKKA -- SPM-1	22 34.35 N 69 47.18 E	Mo(U)W 15s	..	..	Platform	
*	---	..	Horn Mo(U) 15s	*	*	*	*
F0381.4	-- SPM-3	22 36.57 N 69 49.93 E	Mo(U)W 15s	..	..	Platform	
*	---	..	Horn Mo(U) 15s	*	*	*	*
F1056.4	Cox's Bazar	21 25.85 N 91 58.74 E	FI W 15s	54	21	Orange dome on Framework tower 7	fl 0.7
*	-	..	Racon	..	..	..	ILRSVol 2 Station 79330
F1166	Praphatwachirakan. (Ko Ra). N End. Takua Pa	09 15.84 N 98 18.39 E	FI(3)W 8s	38	13	White brick tower 9	(fl 0.5, ec 1) x 2, fl 0.5, ec 4-5. TE 2018
F1201.1	Narcondam Is	13 27.31 N 94 15.32 E	FI(3)W20s	61	8	White metal framework tower 14	(fl 0.5, ec 1) x 2, fl 0.5, ec 16.5. W058°-179°(121°) TE2018
*							*

## 7.3

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
F1202.66	Strait Island	12 11.88 N 92 55.99 E	FI(3)W20s	27	8	White framework tower 14	(fl 0.5, ec 1) x 2, fl 0.5, ec 16.5 <b>TE 2018</b>
F1283.5	Tapaktuan Port	03 15.00N 97 10.82E	FI W 5s	30	12	White beacon 20	fl 0.9
*	*	*	*	*	*	*	*
F1680.2	Remove from List; deleted						

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

**INP 31(1), 2014**

*(Last correction: Edition No. 11 dated 01Jun2018)*

**Page 83, ANTI-PIRACY Contact Table**

*Delete entry and replace by new table on page 8.2;*

**(Source: BA 23/18) (12/18)**

### ANTI-PIRACY Contact Table-1

This Table will be amended when necessary by Notices to Mariners

Authority	UK Maritime Trade Operations (MTO)	EU NAVFOR(MSC-HOA)	The IMB Anti-Piracy Reporting Centre	NATO Shipping Centre	NCAGS Detachment Baharain	Regional Cooperation Agreement on Combating Piracy & Armad Robbery Against Ships Information Sharing Centre (ReCAAPISC)	Information Fusion Centre (IFC)
Address	Maritime Trade Information Centre, UKMTO MCSU, PtP QenetiQ Site Southwick Hill Road Portsmouth PO9 3RU	Operations Centre Maritime Security Centre (Horn of Africa) European Union Operation HQ Northwood Headquarters Sandy Lane Northwood Middlesex, HA6 3HP ENGLAND	ICC International Maritime Bureau Piracy Reporting Centre P.O. Box 12559 50782 Kuala Lumpur Malaysia	Atlantic Building Northwood Headquarters Sandy Lane Northwood Middlesex, HA6 3HP England	Naval Cooperation and Guidance for shipping (NCAGS) CTF-55 NCAGS PSC 851 Box 190 FPO AE 09834	Infinite Studios 21 Media Circle # 05-04 Singapore 138562	103 Tanah Merah Coast Road #2-01 Singapore 498750
	UKMTO Dubai British Embassy Dubai PO Box 65						
Region Covered	Red Sea & Gulf of Aden Arabian Sea & Somali Basin Gulf of Oman. Persian Gulf	Red Sea & Gulf of Aden Arabian Sea & Somali Basin	Worldwide	Red Sea & Gulf of Aden Arabian Sea & Somali Basin Gulf of Oman	US Navy Fifth Fleet Area of responsibility	Asia	South East Asia
Emergency Reporting	Tel: +44 971 50 552 3215 +44 2392 222060 Officer in Charge (OIC) +971 50 5593983 UKMTO Dubai +971 50 552 6007 Deputy (OIC)	Tel: +44 1923 958545	Tel: +603 2031 0014 (H24)	Tel: +44 1923 956574	Tel: +97317858240 (Watchkeepers)	Tel: +65 6376 3063	Tel: +65 96268965 (Hotline) +65 6594 5728 (Office)

<b>Fax/Telex</b>	Fax: +971 4 309 4254	Fax: +44 1923 958520	Fax: +603 2078 5769 Telex: +8434199 (IMBPCIMA34199 )	Free Fax: +44 1923 956575	Fax: +973 1785 4647	Fax: +65 6376 3066	+65 6594 5734
<b>E-mail</b>	watchkeepers@ukmto.org	postmaster@mschoa.org	imbkl@icc-ccs.org piracy@icc-ccs.org	info@shipping.nato.int	cusnc.ncags_bw@me.navy.mil cusnc.bwc@me.navy.mil	info@recaap.org	ifc_do@defence.gov.sg
<b>Helplines</b>			Tel: +603 2078 5763 e-mail: imbsecurity@icc-ccs.org		Tel: +97317851023		
<b>Website</b>	www.ukmto.org	www.mschoa.org	www.icc-ccs.org	www.shipping.nato.int		www.recaap.org	www.ifc.org.sg
<b>Notes</b>	In case of emergency, call: UKMTO			Operation SEA GUARDIAN	CTF 55	Cooperation against piracy & armed robbery in Asia	

**INP 31(2), 2014***(Last correction: Edition No. 10 dated 16May2018)***PAGE 18, INDIA***Delete entry 78825 Sikka Creek,SPM-1***PAGE 18, INDIA***Delete entry 78827Sikka Creek, SPM -3***INP 31(5), 2017***( Last correction: Edition No. 11 dated 01 Jun 2018)***NIL****INP 31(6), 2012***(Last correction: Edition No. 04 dated 16 Feb 2018)***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 102A 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.

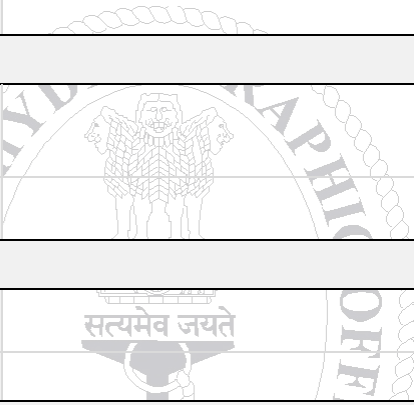

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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

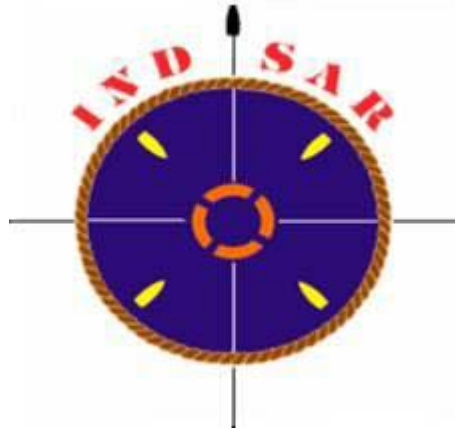


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object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

<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
<b>3. ANCHORAGES</b>			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
<b>4. PILOTAGE</b>			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
<b>5. DIRECTIONS</b>			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
<b>6. POLLUTION CONTROL</b>			
Local regulation in force (If Any)			
<b>7. TUGS</b>			
Number available / Tug type			
Maximum HP / Bollard pull			

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

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



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

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

**AFTN: VABBYXYC**