



# INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2021

(CONTAINS NOTICES 087 TO 091)

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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'S AND PUBLICATION**

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
-NIL -					

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
-NIL -					

3. The Indian Chart that is permanently withdrawn is 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>
-NIL -				

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
-NIL -			

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>
IN43034R	3034	APPROACHES TO KRISHNAPATNAM	05-03-2021

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 The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43034R	3034	APPROACHES TO KRISHNAPATNAM	11-03-2014

7. The forthcoming Indian Chart is as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2126	BITRA ISLAND	25,000	NEW CHART

## VI

### Availability of ENC's

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

<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>	<b>Navico Norway AS</b> Elganeveien 1, 4370 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>
<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>	<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>



**SECTION – I**

The list of charts affected by the Notices 087 to 091 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
31 (INT 756)	5	087, 088 (T), 089 (T), 090 (T)
32 (INT 754)	5	088 (T), 089 (T)
33 (INT 755)	5	088 (T)
41 (INT 757)	6	088 (T)
202	2	091 (T)
210	3	091 (T)
211	3	091 (T)
251 (INT 7318)	2	091 (T)
253 (INT 7328)	2	091 (T)
254 (INT 7331)	3	091 (T)
255 (INT 7334)	3	091 (T)
256 (INT 7340)	3	091 (T)
271	2	091 (T)
292 (INT 7021)	2	091 (T)
293 (INT 7022)	3	091 (T)
308 (INT 7409)	5	089 (T)
313	5	088 (T)
351 (INT 7419)	5	087
352 (INT 7416)	5	089 (T)
354 (INT 7408)	5	089 (T)
355 (INT 7405)	5	089 (T)
356 (INT 7400)	5	088 (T), 089 (T)
357 (INT 7397)	5	088 (T), 089 (T)
391	5	088 (T), 089 (T)
404 (INT 7439)	6	088 (T)
405 (INT 7440)	6	088 (T)
472 (INT 7032)	6	088 (T)
473 (INT 7031)	6	088 (T)
3001 (INT 7402)	5	088 (T)
3004 (INT 7403)	5	088 (T)
4115	6	088 (T)

## SECTION – II

### PERMANENT NOTICES

















\*087 (06/21) INDIA – EAST COAST – Paradip to Pussur River – Buoy and light.

Source: BNHOC Notice No. 08,09/2021.

**Chart 31 (INT 756)** [previous update 078/21]

Amend	Characteristics of light to, Fl(2).10s20M	21° 47'·83N., 089° 28'·37E.
	Characteristics of light to, Fl(2).10s20M	21° 45'·40N., 089° 32'·80E.
	Characteristics of light to, LFl.10s	21° 27'·90N., 089° 33'·97E.

**Chart 351 (INT 7419)** [previous update 045/21]

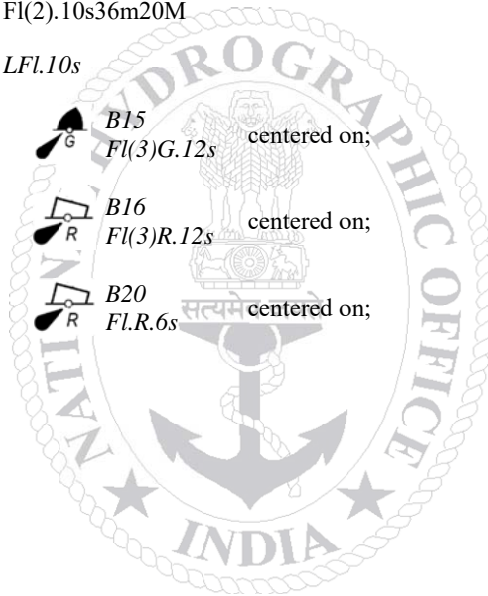
Insert	 <i>Fl(3)R.12s</i> B-2	21° 27'·92N., 089° 30'·64E.
	 <i>Fl(2)G.12s</i> B-7	21° 33'·88N., 089° 28'·70E.
	 <i>Fl(2)R.12s</i> B-8	21° 33'·88N., 089° 27'·00E.
	 <i>Fl(3)G.15s</i> B-9	21° 35'·98N., 089° 29'·53E.
	 <i>Fl(3)R.15s</i> B-10	21° 35'·93N., 089° 26'·93E.
	 <i>Fl(2)G.12s</i> B-11	21° 38'·42N., 089° 28'·31E.
	 <i>Fl(2)R.12s</i> B-12	21° 38'·42N., 089° 26'·96E.
	 <i>Fl.G.8s</i> B-13	21° 40'·05N., 089° 28'·63E.
	 <i>Fl.R.8s</i> B-14	21° 40'·05N., 089° 27'·56E.
	 <i>Fl(4)G.15s</i> B-15	21° 42'·09N., 089° 29'·08E.
	 <i>Fl(4)R.15s</i> B-16	21° 42'·09N., 089° 28'·14E.
	 <i>Fl(2)G.10s</i> B-17	21° 44'·12N., 089° 28'·94E.
	 <i>Fl(2)R.10s</i> B-18	21° 44'·12N., 089° 28'·12E.
	 <i>Fl.G.6s</i> B-19	21° 46'·15N., 089° 29'·14E.
	 <i>Fl.R.6s</i> B-20	21° 46'·15N., 089° 28'·27E.
	 <i>Fl(2)R.10s</i> B-22	21° 47'·38N., 089° 28'·63E.





\*087 (06/21) INDIA – EAST COAST – Paradip to Pussur River – Buoy and light.(Continued).

		<i>Fl(3)R.15s</i> B-24			21° 48'·32N., 089° 29'·81E.
		<i>Fl(3)R.20s</i> B-26			21° 49'·24N., 089° 30'·65E.
		<i>Fl(2)G.12s</i> BB-1			21° 38'·06N., 089° 30'·20E.
		<i>Fl.G.8s</i> BB-3			21° 39'·64N., 089° 31'·05E.
		<i>Fl.R.8s</i> BB-4			21° 39'·23N., 089° 29'·94E.
		<i>Fl.10s</i> NK Buoy			21° 49'·03N., 089° 28'·75E.
		<i>Fl(3)R.10s</i> B-28			21° 50'·48N., 089° 30'·48E.
Amend		Characteristics of light to, <i>Fl(2).10s36m20M</i>			21° 47'·83N., 089° 28'·37E.
		Characteristics of light to, <i>LFl.10s</i>			21° 26'·86N., 089° 33'·97E.
Substitute		<i>Fl(4)G.15s</i> BB-5	for	 <i>B15</i> <i>Fl(3)G.12s</i> centered on;	21° 41'·30N., 089° 31'·23E.
		<i>Fl(4)R.16s</i> BB-6	for	 <i>B16</i> <i>Fl(3)R.12s</i> centered on;	21° 41'·70N., 089° 29'·93E.
		<i>Fl.R.6s</i> BB-10	for	 <i>B20</i> <i>Fl.R.6s</i> सत्यमे centered on;	21° 46'·46N., 089° 29'·88E.
Delete		<i>Fl.R.6s</i> B8			21° 34'·38N., 089° 27'·17E.
		<i>Fl(3)G.20s</i> B9			21° 36'·05N., 089° 28'·80E.
		<i>Fl.R.8s</i> B10			21° 36'·45N., 089° 27'·25E.
		<i>Fl(2)G.10s</i> B11			21° 38'·01N., 089° 30'·31E.
		<i>Fl(2)R.10s</i> B12			21° 38'·00N., 089° 28'·96E.
		<i>Fl.G.8s</i> B13			21° 40'·04N., 089° 31'·15E.
		<i>Fl.R.8s</i> B14			21° 40'·04N., 089° 30'·25E.
		<i>Fl(3)G.20s</i> B19			21° 46'·52N., 089° 31'·38E.
		<i>Fl.10s</i> Nil Kamal			21° 48'·82N., 089° 28'·78E.
		<i>Fl.G.10s</i> HANS-1			21° 48'·80N., 089° 29'·72E.



**Section – III****TEMPORARY AND PRELIMINARY NOTICES****\*088(T) (06/21) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

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

<b>Buoy No./Name</b>	<b>Position</b>	<b>Chart Affected</b>
BD08/OB	17° 49'·25N., 89° 12'·50E	31(INT 756)
BD09/OB	17° 30'·13N., 89° 08'·28E	31(INT 756)
BD10/OB	16° 17'·56N., 87° 59'·50E	31(INT 756)
BD11/OB	13° 28'·03N., 84° 07'·12E	32 (INT 754), 33 (INT 755), 391
BD12/OB	10° 31'·25N., 94° 05'·15E	41 (INT 757), 472 (INT 7032)
BD13/OB	13° 56'·63N., 86° 59'·40E	33 (INT 755)
BD14/OB	06° 33'·93N., 88° 21'·30E	33 (INT 755)
CB01/CB	11° 35'·33N., 92° 35'·77E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
CB06/CB	13° 06'·08N., 80° 18'·93E	32 (INT 754), 33 (INT 755), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004 (INT 7403)
TB09/TB	17° 07'·25N., 90° 00'·00E	31(INT 756)
STB05/TB	13° 28'·20N., 88° 59'·40E	33 (INT 755)

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.

**Former INTM 084(T)/21 is cancelled.**

**\*089(T) (06/21) INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.**

Source: NIO, Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

<b>ADCP Mooring</b>	<b>Positions</b>		<b>Depth (in metres)</b>	<b>Charts affected</b>
BODD3	19° 58'.52N	88° 19'.55E	162, 366	31 (INT 756).
BOGS13	19° 25'.93N	85° 42'.28E	177	31 (INT 756) – 352 (INT 7416).
BOGD13	19° 24'.02N	85° 47'.34E	176, 376, 678	31 (INT 756) – 352 (INT 7416).
BOVS12	17° 48'.25N	83° 59'.10E	95, 165	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 (INT 7409).
BOVD11	17° 45'.37N	84° 03'.01E	164, 364	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 (INT 7409).
BOKS12	16° 15'.19N	82° 07'.41E	170	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
BOKD12	16° 06'.64N	82° 12'.09E	171, 376, 748	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
BOND4	14° 29'.73N	80° 24'.79E	165, 365	31 (INT 756) – 32 (INT 754) – 356 (INT 7400) – 391.
BOPD12	12° 00'.35N	80° 12'.97E	162, 364, 717	32 (INT 754) – 33 (INT 755) – 357 (INT 7397).
BOPS12	12° 00'.60N	80° 07'.98E	177	32 (INT 754) – 33 (INT 755) – 357 (INT 7397).

2. All positions referred to WGS 84 datum.

3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.

**Former INTM 131(T)/20 is cancelled.**

**\*090(T) (06/21) INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.**

Source: BNHOC Notice No. 12(T)/2021.

Insert



22° 07' .98N., 91° 30' .16E.

**Charts Affected – 31(INT 756).**

**\*091 (T) (05/21) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	18° 01' .05N., 72° 22' .72E.
Aban IV	19° 27' .80N., 71° 16' .83E.
CE Thornton	19° 34' .17N., 71° 25' .12E.
Discovery 1	20° 21' .52N., 72° 01' .44E.
DS Fortune	19° 12' .87N., 72° 06' .78E.
DS Fossil	20° 11' .52N., 71° 52' .25E.
FG Mclintok	19° 24' .05N., 71° 18' .90E.
Foresight Driller IX	18° 55' .88N., 72° 18' .31E.
Great Drill Chaaya	18° 32' .95N., 72° 15' .97E.
Great Drill Chaaruu	19° 36' .38N., 71° 47' .81E.
Great Drill Chetna	22° 33' .31N., 68° 26' .35E.
Great Drill Chitra	19° 19' .55N., 71° 01' .62E.
Harvey H Ward	18° 55' .81N., 72° 00' .92E.
Jindal Explorer	18° 39' .22N., 70° 58' .86E.
Jindal Star	18° 38' .79N., 72° 14' .94E.
Jindal Supreme	19° 16' .50N., 71° 28' .45E.
JT Angel	19° 33' .52N., 71° 24' .80E.
Parameswara	20° 06' .74N., 71° 42' .27E.
Ron Tappmeyer	18° 08' .15N., 72° 25' .28E.
Sagar Bhushan	19° 13' .40N., 71° 13' .75E.
Sagar Gaurav	19° 22' .48N., 71° 21' .59E.
Sagar Jyoti	19° 01' .68N., 72° 21' .87E.
Sagar Kiran	19° 17' .46N., 71° 13' .47E.
Sagar Ratna	19° 23' .54N., 71° 48' .27E.
Sagar Shakti	19° 25' .22N., 71° 24' .97E.
Sagar Udhay	19° 17' .71N., 71° 02' .86E.
Trident 2	19° 16' .19N., 71° 23' .30E.
Trident 12	19° 01' .60N., 71° 21' .84E.
Valiant Driller	19° 16' .73N., 71° 25' .53E.
Victory Driller	19° 16' .46N., 71° 26' .77E.
Vivekananda 1	18° 55' .59N., 72° 02' .48E.
Vivekananda 2	20° 13' .31N., 71° 54' .79E.
Virtue 1	19° 25' .86N., 71° 12' .20E.

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

3. All positions referred to WGS 84 datum.

**Charts Affected – 292 (INT 7021) – 293 (INT 7022) – 271 – 251 (INT 7318) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211 – 202.**

**Former INTM 080 (T)/21 is cancelled.**

## 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	BI	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla 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 crews 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: - mrcc-west@indiancoastguard.nic.in. 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 are published in the fortnightly Indian Notices to Mariners.

- (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 recommended for all foreign flag ships and vessels irrespective of size.
- (b) Traffic Separation Schemes (TSS). The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

#### 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/ IRIDIUM 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.

#### 8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

- (a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.
- (b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.
- (c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

(d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.



**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 Instruments</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>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 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 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@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.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>L. R. Marine Services</b> 301, 3rd Floor, Biry 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 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>HC 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> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.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>	



**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 – 2020.

2. NAVAREA VIII Warnings in force as on 15 Feb 21:-

<b>2020 SERIES</b>	-	116	329	333	384	442	444	480	515	526	593	630	664	690	691	751	753	757	786				
<b>2021 SERIES</b>	-	016	017	025	030	057	079	138	146	147	150	153	159	170	176	177	178	180	181	183			
		191	193	194	195	202	205	207	209	211	212	213	215	217	218	219	220	221	223	224	225	226	227
		228	229																				

3. NAVAREA VIII Warnings issued during the period from 01 Mar to 15 Mar 21 (both dates inclusive) are as tabulated below:-

<p><b>183. India East Coast - off Gopalpur.</b> Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled from (A) 05 to 06 Mar (B) 08 to 13 Mar (C) 15 to 16 Mar (D) 18 to 20 Mar (E) 22 to 25 Mar (F) 29 to 31 Mar 21 from 0130 to 0830 UTC and 0930 to 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 41 NM radius joining point B and C. Wide berth from AREA advised. 2. Cancel this MSG 311530 UTC Mar 21.</p>
<p><b>184. Andaman Sea - off Barren.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 04, 05 Mar 21 from 0330 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 051030 UTC Mar 21.</p>
<p><b>185. India East Coast - Visakhapatnam.</b> Charts IN 31 32 308 354 391 3002 3012 INT 7410. Firing scheduled on 03 Mar 21 from 0001 to 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E. Wide berth from area advised. 2. Cancel this MSG 030230 UTC Mar 21.</p>
<p><b>186. India West Coast - off Mumbai.</b> Charts IN 211 255 292 INT 7334. DLS 4200 progressing installation of platform structures at various locations in area bounded by 18-49.2N 072-09.49E, 18-48.81N 072-28.67E, 18-11.65N 072-27.91E, 18-18.98N 072-08.8E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 128/21 and this MSG 011830 UTC Apr 21.</p>
<p><b>187. Cancel NAVAREA VIII MSG 136/21, 151/21, 161/21, 162/21, 165/21, 168/21, 169/21, 173/21 and this MSG. INTM 075(T)/21, 080(T)/21, 081(T)/21, 082(T)/21 of 05/21 refers.</b></p>
<p><b>188. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 70. Space Debris predicted 280 NM on either side of centreline joining 27-18S 062-23E, 46-52S 090-17E, 53-10S 120-02E, 52-53S 144-25E, 50-16S 157-27E from 030157 to 030430 UTC and 040136 to 040409 UTC Mar 21. 2. Cancel this MSG 040509 UTC Mar 21.</p>
<p><b>189. India West Coast - off Mumbai.</b> Charts IN 21 211 255 INT 7334. Abandoned IFB Ramedi AAI reported sunk in approximate position 19-16N 072-34E on 02 Mar 21.</p>
<p><b>190. Indian Ocean - off Sri Lanka.</b> Charts IN 33 264 7706 INT 706. Abandoned lifeboat reported adrift 05-30N 081-51.9E at 020430 UTC Mar 21. 2. Cancel this MSG 050430 UTC Mar 21.</p>
<p><b>191. India West Coast.</b> Charts IN 255 292 293 INT 7022. Rig Move. Victory driller (19-16.46N 071-26.77E), Sagar uday (19-17.71N 071-02.86E). Refer to 080(T) of INTM 05/21. Wide berth requested.</p>
<p><b>192. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 70. Space Debris predicted 280 NM on either side of centreline joining 27-18S 062-23E, 46-52S 090-17E, 53-10S 120-02E, 52-53S 144-25E, 50-16S 157-27E from 041024 to 041326 UTC and 051004 to 051306 UTC Mar 21. 2. Cancel NAVAREA VIII MSG 188/21 and this MSG 051406 UTC Mar 21.</p>
<p><b>193. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. SV Fugro Mapper progressing survey in vicinity of 19-20.83N 071-21.94E, 19-19.47N 071-12.06E, 19-34.39N 071-21.76E, 18-41.51N 072-21.21E, 18-34.95N 072-14.46E, 18-18.63N 072-21.81E, 19-07.79N 071-59.92E, 18-36.1N 071-01.6E. Length of Tow 150 meters from stern. Wide berth requested. 2. Cancel this MSG 201830 UTC Mar 21.</p>
<p><b>194. Bay of Bengal.</b> Charts IN 31 7706 INT 706. Data buoys BD10 (16-17.56N 087-59.5E), BD13 (13-56.63N 086-59.4E) relaid. Refer to 084(T) of INTM 05/21.</p>
<p><b>195. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 INT 7021. Sea Patriot progressing hook up activities in area bounded by 19-42.47N 070-45.39E, 19-41.28N 072-09.73E, 18-54.89N 072-20.56E, 18-55.08N 071-46.56E, 18-55.74N 071-01.96E, 19-11N 070-50.88E. Wide berth requested.</p>



<b>195. Continued.</b>
2. Cancel this MSG 201830 UTC Mar 21.
<b>196. Cancel NAVAREA VIII MSG 067/21 and this MSG.</b>
<b>197. India East Coast - off Machilipatnam.</b> Charts IN 31 355 INT 7405. Conical Buoy reported adrift in approximate position 15-37.9N 082-10.3E on 04 Mar 21.
2. Cancel this MSG 071000 UTC Mar 21.
<b>198. India West Coast - off Mormugao.</b> Charts IN 22 214 215 256 257 293 INT 7022. Firing Scheduled from 090230 to 111130 UTC Mar 21 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.
2. Cancel this MSG 111230 UTC Mar 21.
<b>199. Cancel NAVAREA VIII MSG 167/21 and this MSG.</b>
<b>200. NAVAREA VIII - Warnings in force as on 05 Mar 2021:-</b>
<b>2020 Series</b> - 116 329 333 384 442 444 480 515 526 593 630 664 690 691 751 753 757 786
<b>2021 Series</b> - 016 017 025 030 038 057 079 110 130 138 146 147 150 152 153 159 167 170 174 175 176 177 178 180 181 183 186 189 191 193 194 195 197 198 199
(A) NAVAREA VIII Warnings less than 42 days promulgated via safety net.
(B) Text of NAVAREA VIII warning in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>
2. Cancel this MSG 121000 UTC Mar 21.
<b>201. India West Coast - off Kochi.</b> Charts IN 22 259 INT 7356. Abandoned Boat reported adrift in approximate position 10-05.4N 075-09E at 050840 UTC Mar 21.
2. Cancel this MSG 080840 UTC Mar 21.
<b>202. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig Move. Trident II (19-16.19N 071-23.3E). Refer to 080(T) of INTM 05/21. Wide berth requested.
<b>203. India West coast - off Mormugao.</b> Charts IN 22 214 215 256 257 293 INT 7022. Firing scheduled from 120230 to 141130 UTC Mar 21 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.
2. Cancel this MSG 141230 UTC Mar 21.
<b>204. Andaman sea - off Barren.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 11, 12 Mar 21 from 0330 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 121030 UTC Mar 21.
<b>205. India West Coast - off Mumbai.</b> Charts IN 21 255 292 293 INT 7021. Offshore installation platform Key Gibraltar progressing hookup activities in area bounded within 18-59N to 19-03N and 071-43 to 071-47.31. Wide berth requested.
2. Cancel this MSG 191830 UTC Aug 21.
<b>206. Cancel NAVAREA VIII MSG 174/21, 175/21 and this MSG.</b>
<b>207. Indian Ocean - off Port Louis.</b> Charts IN 2514 2527 BA 711 712 INT 7730. FV Lurong yuan yu 588 reported aground in approximate position 20-09.76S 057-26.7E at 071339 UTC Mar 21.
<b>208. India West Coast - off Mormugao.</b> Charts IN 22 214 215 256 257 293 INT 7022. Subsurface firing scheduled on 11, 12, 13 Mar 21 from 0230 to 1630 UTC in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-45E, 15-17N 073-21E. Wide berth from area advised.
2. Cancel this MSG 131730 UTC Mar 21.
<b>209. India West Coast.</b> Charts IN 21 253 255 292 INT 7334. Rig Move. JT Angel (19-33.52N 071-24.8E). Refer to 80(T) of INTM 05/21. Wide berth requested.
<b>210. India East Coast - off Sriharikota.</b> Charts IN 31 32 356 391 7706 INT 706. RH-560 launch from 13-41.73N 080-14.08E scheduled on 12 Mar 21 from 1330 to 1430 UTC.
2. Danger Zone as follows:-
Zone-1: Circle of 05 NM around launcher.
Zone-2: Sector of 5 NM and 25 NM between azimuth 080 and 120 from launch Pad.
Zone-3: Sector of 250 NM and 450 NM between azimuth 080 and 120 from launch pad.
3. Wide berth from area advised.
4. Cancel this MSG 121530 UTC Mar 21.
<b>211. India West Coast.</b> Charts IN 21 253 255 292 INT 7334. Rig Move. Jindal Star (18-38.79N 072-14.94E), Great Drill Chitra (19-19.55N 071-01.62E). Refer to 080(T) of INTM 05/21. Wide berth requested.
<b>212. India West Coast - off Mumbai.</b> Charts IN 21 22 255 292 293 INT 7334. CS Etisalat progressing cable repair in area bounded by 18-57.96N 072-04.65E, 18-56N 072-06E, 18-57N 072-26.81E, 18-59.97N 072-25.3E. Wide berth requested.
2. Cancel this MSG 311830 UTC Mar 21.
<b>213. India west Coast - off Mumbai.</b> Charts IN 21 255 292 293 INT 7021. Multi Purpose support vessel lichtenstein progressing hookup activities in area bounded within 18-59N to 19-03N and 071-43E to 071-47.31E. Wide berth requested.
2. Cancel this MSG 191830 UTC Apr 21.

<p><b>214. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 70. Space debris predicted 300 NM on either side of centreline joining 27-18S 062-23E, 37-48.31S 076-11.94E, 45-23.37S 087-09.62E, 51-18.79S 106-15.57E, 53-10S 120-02E, 52-53S 144-25E, 50-16S 157-27E from 111004 to 111154 UTC and 120319 to 120556 UTC Mar 21.</p> <p>2. Cancel this MSG 120656 UTC Mar 21.</p>
<p><b>215. India West COAST - off Daman.</b> Charts IN 21 210 255 292 INT 7021. RV Akademik primakov progressing seismic survey in area bounded by 19-33.32N 072-21.03E, 19-37.24N 072-20.13E, 20-11N 072-18.41E, 20-11.33N 072-32.48E, 19-32.91N 072-32.64E. Vessel Towing 8 streamers of 3.5 NM. Wide berth of 5.5 NM requested.</p> <p>2. Cancel this MSG 051830 UTC Apr 21.</p>
<p><b>216. India East Coast - Visakhapatnam.</b> Charts IN 31 32 308 354 391 3002 3012 INT 7410. Firing scheduled on 15 Mar 21 from 0001 to 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E. Wide berth from area advised.</p> <p>2. Cancel this MSG 150230 UTC Mar 21.</p>
<p><b>217. India East Coast - off Chennai.</b> Charts IN 32 313 356 357 INT 7400. Firing by CG Aircraft scheduled on 17,18,19 Mar 21 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised.</p> <p>2. Cancel this MSG 191230 UTC Mar 21.</p>
<p><b>218. India West Coast - off Porbandar.</b> Charts IN 202 204 205 252 271 291 292 INT 7325. IAF Firing from kathiawar range scheduled on 16, 17 Mar 21 from 1830 to 2359 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. Wide berth from area advised.</p> <p>2. Cancel this MSG 180100 UTC Mar 21.</p>
<p><b>219. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 2016 INT 7336. Girija-II progressing diving operations for cable repair in area bounded by 18-59.8N 072-43.5E, 18-59.1N 072-42.8E, 18-55.4N 072-47.4E, 18-56.1N 072-48E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC Mar 21.</p>
<p><b>220. India West Coast - off Mumbai.</b> Charts IN 21 255 292 293 INT 7021. HLS-2000 progressing hookup activities in area bounded by 18-49.2N 072-09.49E, 18-48.81N 072-28.67E, 18-11.65N 072-27.91E, 18-18.98N 072-08.8E. Wide berth requested.</p> <p>2. Cancel this MSG 091830 UTC Apr 21.</p>
<p><b>221. NAVAREA VIII - Warnings in force as on 12 Mar 2021:-</b>  <b>2020 Series</b> - 116 329 333 384 442 444 480 515 526 593 630 664 690 691 751 753 757 786  <b>2021 Series</b> - 016 017 025 030 057 079 130 138 146 147 150 153 159 170 176 177 178 180 181 183 186 189 191 193 194 195 202 203 205 207 208 209 211 212 213 215 216 217 218 219 220  (A) NAVAREA VIII Warnings less than 42 days promulgated via safetynet.  (B) Text of NAVAREA VIII Warning inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a></p> <p>2. Cancel this MSG 191000 UTC Mar 21.</p>
<p><b>222. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 70. Space debris predicted in danger area bounded by 29-43S 060-07E, 24-55S 064-27E, 38-45S 084-30E, 45-12S 099-45E, 49-46S 119-13E, 50-42S 138-19E, 48-50S 156-44E, 51-46S 158-08E, 54-42S 148-32E, 56-20S 131-03E, 55-52S 107-50E, 49-11S 085-05E, 34-32S 064-13E from 141048 to 141325 UTC and 151028 to 151305 UTC Mar 21.</p> <p>2. Cancel this MSG 151405 UTC Mar 21.</p>
<p><b>223. Andaman Sea - off Barren.</b> Charts IN 41 473 INT 7031. Firing by CG Aircraft scheduled on 18, 19 Mar 21 from 0330 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.</p> <p>2. Cancel this MSG 191030 UTC Mar 21.</p>
<p><b>224. India West Coast - Uttan.</b> Charts IN 211 255 292 INT 7334. Uttan (19-16.74N 072-46.84E) DGPS transmission will be switched off from 160330 UTC to 161230 UTC Mar 21 for maintenance.</p> <p>2. Cancel this MSG 161230 UTC Mar 21.</p>
<p><b>225. Cancel NAVAREA VIII MSG 189/21 and this MSG.</b></p>
<p><b>226. India West Coast - off Dwarka.</b> Charts IN 204 252 291 INT 7021. Abandoned IFB Harsidhi reported sunk in approximate position 21-54N 068-34E on 12 Mar 21.</p>
<p><b>227. Andaman Sea - Bompoka I.</b> Charts IN 41 408 472 4165 INT 7446. Bompoka LT (08-13.45N 093-14.75E) unlit.</p>
<p><b>228. India West coast - off Mumbai.</b> Charts IN 211 255 292 INT 7334. DLS 4200 progressing installation of platform structures at various locations in area bounded by 19-42.47N 070-45.39E, 19-41.28N 072-09.73E, 18-54.89N 072-20.56E, 18-55.08N 071-46.56E, 18-55.74N 071-01.96E, 19-11N 070-50.88E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII MSG 186/21 and this MSG 141830 UTC Apr 21.</p>
<p><b>229. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 INT 7021. Sea Patriot progressing hook up activities in area bounded by 18-49.2N 072-09.49E, 18-48.81N 072-28.67E, 18-11.65N 072-27.91E, 18-18.98N 072-08.8E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII MSG 195/21 and this MSG 151830 UTC May 21.</p>

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

**West coast of India Pilot (INP-1)**

**Chapter - 9 (Page 355)**

(Source: Essar Bulk Terminal (Salaya) Ltd.)

*Article 9.67, delete para 2 and replace by*

2 **Pier and Jetties.** The length of the berth is 385 m. Ships of draught up to 14.5 m basis tide and displacement of 1,60,000 MT can be berthed.

*Article 9.68, delete para 1 and replace by*

1 Pilotage to the port is compulsory. Authority for requesting pilot is Essar Bulk Terminal (Salaya) Limited. Pilot boards in position 22°30'.25N, 69°31'.31E and for capesize vessel, pilot boards in position 22°31'.30N, 69°31'.20E.

*Page 356, Article 9.73, delete para 4 and replace by*

4 **Stockyard facilities.** Spread over an area of 3,20,000 sq. m, the stockyard has a capacity of 12.5 lakh ton for coal, pet coke and lime stone. It also has a dust suppression system and a dust extract system at junction houses.

**SECTION – VII**  
**CORRECTIONS TO LIST OF LIGHTS**

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
<b>D7575.34</b>	<b>- LNG Terminal Approach Channel.</b> Dir Lt 259°	28 43.71 N 48 24.42 E	Dir WRG	13	<b>18</b>	..	F G256.5°-257.5° (1°). F W257.5°-260.5° (3°). F R260.5°-261.5° (1°). ILRS Vol 2 Station 77950
	--	..	Racon	..	..	..	ILRS Vol 2 Station 77950
<b>F0358</b>	-- Breakwater. Head	22 49.11 N 69 20.91 E	FI R 3s	8	5	White square concrete column, red top 7	<i>fl 0.5.</i>  *
							*
<b>F0514</b>	PORT OF MUMBAI (BOMBAY) <b>- Prongs Reef</b>	18 52.75 N 72 47.99 E	FI W 10s	41	<b>23</b>	Round tower, red, white and black bands 52	W232°-171°(299°)  ILRS Vol 2 Station 78987
	--	..	Racon	..	..	..	*
<b>F1616</b>	PERMATANG SEDEPA (ONE FATHOM BANK) TSS <b>- Northbound Route.</b> N side. Permatang Sedepa (One Fathom Bank)	02 53.31 N 100 59.71 E	FI(4)W 20s	43	<b>23</b>	White round metal tower, red bands on concrete piles. Dome shaped roof at base of tower.	<b>Range 15M (T) 2020</b>  ILRS Vol 2 Station 79880
	----	..	Racon	..	..	..	*

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

**INP 31(1), 2019**

(Last correction: Edition No. 05 dated 01 Mar 2021)

PAGE 16, COAST RADIO STATIONS, INDONESIA (Sumatera).

Insert entry below "BELAWAN".

<b>BELAWAN 2 (PKB4)</b>	<b>03°47'.02N 98°41'.01E</b>
NOTE(S): 1. Station owned and operated by PERTAMINA. 2. Only for the service of ships of the "PERTAMINA" of the Indonesian Government.	


VHF

	Ch 09 16	H24
	Ch 19	

PAGE 16, COAST RADIO STATIONS, INDONESIA (Sumatera).

**BENGKULU (PKC53).**

Delete entry and replace by:

<b>BENGKULU (PKC53)</b>	<b>03°53'.98S 102°18'.53E</b>		
MMSI 005250062	DSC VHF MF		
 +62 736 51445			
		Email: <a href="mailto:bengkuluradiopkc53@gmail.com">bengkuluradiopkc53@gmail.com</a>	
NOTE(S): 1. Station owned and operated BY Direktorat Jenderal Perhubungan Laut. 2. Sundays and public holidays closed.			

VHF

	Ch 16	0100-0700
	Ch 20	

RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	0100-0700
	3180	2080	

RT (HF)

	Transmits	Receives	Hours of Watch
	6215 (Ch 606)	6215	0100-0700
	6510 (Ch 604)	6209	
	8758 (Ch 814)	8234	
	13104 (Ch 1210)	12257	

PAGE 18, COAST RADIO STATIONS, INDONESIA (Sumatera).

Insert entry below "DUMAI (PKP) [2208]".

<b>DUMAI 2 (PKP4)</b>	<b>01°41'.08N 101°27'.36E</b>		
MMSI 005250083	DSC VHF		
NOTE(S): 1. Station owned and operated by PERTAMINA. 2. Station owned and operated by P.T. Bali Raya. 3. Only for the service of ships of the "PT. Alfa Kurnia Fish Enterprise".			

VHF

	Ch 16	H24
	Ch 19	

PAGE 20, COAST RADIO STATIONS, INDONESIA (Sumatera).

**LAHEWA.**

Delete entry and replace by:

<b>LAHEWA (PKB24)</b>	<b>01°24'.00N 097°09'.33E</b>
NOTE(S): 1. Station owned and operated BY Direktorat Jenderal Perhubungan Laut. 2. Sundays and public holidays closed.	

## 8.2

## RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	

## RT (HF)

	Transmits	Receives	Hours of Watch
	6215 (Ch 606)	6215	
	6510 (Ch 604)	6209	
	8746 (Ch 810)	8222	

## PAGE 24, COAST RADIO STATIONS, INDONESIA (Sumatera).

Insert entry below "PANJANG (PKC4) [2217]".

<b>PANJANG 2 (PKC6)</b>	<b>05°28'.29S 105°19'.23E</b>		
	DSC VHF MF		
NOTE(S): Only for use by Pertamina vessels.			

## VHF

	Ch 09 19	
	Ch 16	H24

## RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	0500-0600 1300-1400
	2690	2090	2000-2100

## RT (HF)

	Transmits	Receives	Hours of Watch
	6215	6215	0030-0200 0600-0700
	6504	6203	1100-1300 1500-1700
	8291	8291	0230-0400 0900-1100 1700-1900 2200-0000
	8779	8255	
	8806 (Ch 830)	8282	

## Radiotelex

	Transmits	Receives	Hours of Watch
	2174.5	2174.5	0000-0600 0700-1100 1200-1500 1600-1900 2000-2300
	6324	6273	0500-0600 1300-1400 2000-2100
	8425	8325	

## PAGE 25, COAST RADIO STATIONS, INDONESIA (Sumatera).

Insert entry below "PULAU SAMBU (PKJ3)".

<b>PULAU SAMBU 2 (PKJ 51)</b>	<b>01°09'.40N 103°54'.01E</b>		
NOTE(S): Only for use by Pertamina vessels.			

## VHF

	Ch 09 16	
		H24

## PAGE 26, COAST RADIO STATIONS, INDONESIA (Sumatera).

Insert entry below "SABANG (PKA)".

<b>SABANG 2 (PKA4)</b>	<b>05°52'.83N 95°19'.97E</b>		
MMSI 005251501	DSC VHF MF		
NOTE(S): 1. Only for use by Pertamina vessels. 2. Open from 2 h prior to arrival until 2 h after departure of vessels.			

## VHF

	Ch 16	
		0100-0700 0800-1500

## RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	0100-0200 0500-0600 0900-1000 1400-1500 1600-1700

## 8.3

WT (MF)

	Transmits	Receives	Hours of Watch
	438		
	500	500	

WT (HF)

	Transmits	Receives	Hours of Watch
	8686		

PAGE 27, COAST RADIO STATIONS, INDONESIA (Sumatera).

*Insert entry below "SIBOLGA (PKB3)".*

<b>SIBOLGA 2 (PKB9)</b>	<b>01°44'.48N 98°46'.59E</b>
NOTE(S): 1. Only for use by Pertamina vessels. 2. Open from 2 h prior to arrival until 2 h after departure of vessels.	

VHF

	Ch 09 16	H24
--	----------	-----

*(Source: BA 10/21)**(6/21)***INP 31(2), 2019***(Last correction: Edition No.05 dated 01 Mar 2021)*

NIL

**NP 31(5), 2017***( Last correction: Edition No. 05 dated 01 Mar 2020)*

NIL

**INP 31(6), 2018***( Last correction: Edition No. 05 dated 01 Mar 2021)*

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.



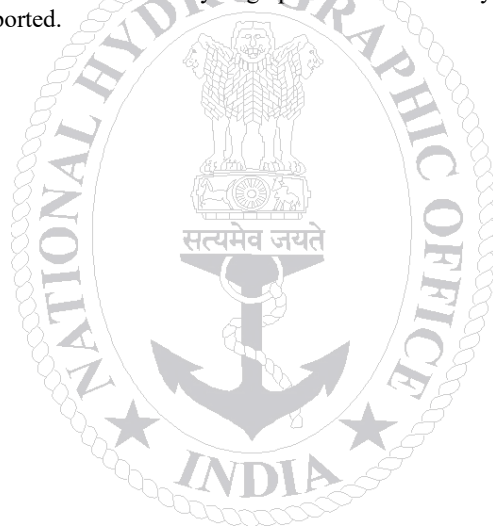
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others			
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

<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: [mrcc-west@indiancoastguard.nic.in](mailto:mrcc-west@indiancoastguard.nic.in)**

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

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

**AFTN: VABBYXYC**