



INDIAN NOTICES TO MARINERS



EDITION NO. 14 DATED 16 JUL 2021

(CONTAINS NOTICES 148 TO 153)

REACH US 24 x 7



msis-inho@navy.gov.in
inho@navy.gov.in



+91-135-2748373



National Hydrographic Office
107-A, Rajpur Road
Dehradun – 248001
INDIA



Commander (H)
Maritime Safety Information Services
+91- 135 - 2746290-117

WWW

www.hydrobharat.gov.in

CONTENTS

<u>Section No.</u>	<u>Title</u>
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings in force
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Corrections to Miscellaneous Nautical Publications
X	Reporting of Navigational Dangers

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

FEEDBACK: msis-inho@navy.gov.in



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



© Govt. of India Copyright

No permission is required to make copies of these Notices. However, such copies are not to be commercially sold.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2044	15-06-2021	GULF OF KHAMBHAT SOUTHERN PORTION LIMIT 21° 02'.00N; 71° 46'.00E. 21° 36'.50N; 72° 42'.00E.	1,00,000	2	Rs. 1950.00
2550	15-06-2021	PORT VICTORIA LIMIT 04° 38'.00S; 55° 27'.20E. 04° 35'.50S; 55° 30'.70E.	10,000	1	Rs. 1950.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2039	31-05-2021	GULF OF KHAMBHAT NORTHERN PORTION LIMIT 21° 30'.00N; 72° 11'.00E. 21° 48'.70N; 72° 38'.50E. सत्यमेव जयते	75,000	2	Rs. 1950.00

3. The Indian Charts 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>
2039	15-09-2017	GULF OF KHAMBHAT NOTHERN PORTION	2039	31-05-2021
2044	31-08-2003	GULF OF KHAMBHAT (CAMBAY) – SOUTHERN PORTION	2044	15-06-2021
2550	31-03-2017	PORT VICTORIA	2550	15-06-2021

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>
IN42044H	2044	GULF OF KHAMBHAT SOUTHERN PORTION	07-07-2021
IN62550A	2550	PORT VICTORIA	07-07-2021

VI

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>
IN42039K	2039	GULF OF KHAMBHAT NOTHERN PORTION	07-07-2021

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>
IN42044K	2044	GULF OF KHAMBHAT SOUTHERN PORTION	26-02-2019
IN62550P	2550	PORT VICTORIA	24-08-2017
IN42039K	2039	GULF OF KHAMBHAT NOTHERN PORTION	25-10-2017

7. The forthcoming Indian Charts are as follows: -

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
261	EIGHT DEGREE CHANNEL TO KANNIYAKUMARI (CAPE COMORIN)	3,00,000	NEW CHART
357	POINT CALIMERE TO CHENNAI	3,00,000	NEW EDITION
2556	INNER APP. TO PORT VICTORIA	12,500	NEW CHART

Availability of ENCs

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

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk	Navico Norway AS Elganeveien 1, 4370 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email : enc@c-map.com , info@c-map.co.no Website: www.c-map.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com

SECTION – I

The list of charts affected by the Notices 148 to 153 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
22 (INT 752)	3	150
32 (INT 754)	5	150
202	2	152 (T)
207	2	151
208	2	149
209	3	149
210	3	152 (T)
211	3	152 (T)
220	4	150
251 (INT 7318)	2	152 (T)
253 (INT 7328)	2	152 (T)
254 (INT 7331)	3	149, 152 (T)
255 (INT 7331)	3	152 (T)
256 (INT 7340)	3	152 (T)
259 (INT 7356)	4	150
271	2	152 (T)
292 (INT 7021)	2	152 (T)
293 (INT 7022)	3	152 (T)
294 (INT 7023)	3	151
354 (INT 7408)	5	153 (T)
355 (INT 7405)	5 सत्यमेव जयते	153 (T)
391	5	153 (T)
2029 (INT 7358)	4	150
2044	2	149
2101 (INT 7347)	3	149
2551	1	151
3001 (INT 7402)	5	148
3004 (INT 7403)	5	148
3042	5	153 (T)

SECTION – II**PERMANENT NOTICES*****148 (14/21) INDIA – EAST COAST – Chennai Harbour – Accompanying Block.**

Source: NHO, Dehradun.

Chart 3001 (INT 7402) [previous update 078/21]

Insert accompanying block, centered on; 13° 05.80'N., 080° 18.90'E.

Chart 3004 (INT 7403) [previous update 150/18]

Insert accompanying block, centered on; 13° 06.00'N., 080° 18.30'E.

***149 (14/21) INDIA – WEST COAST – Gulf of Khambhat (Cambay) Southern Portion – Dumping ground and legend.**

Source: Hazira Port.

Chart 254 (INT 7331) [previous update 186/20]

Insert pecked line, -----, joining; 21° 03'·00N., 072° 28'·00E

21° 03'·00N., 072° 30'·00E

21° 05'·00N., 072° 30'·00E

21° 05'·00N., 072° 28'·00E

21° 03'·00N., 072° 28'·00E

and

21° 03'·00N., 072° 30'·00E

21° 03'·00N., 072° 32'·00E

21° 05'·00N., 072° 32'·00E

21° 05'·00N., 072° 30'·00E

21° 03'·00N., 072° 30'·00E

legend, “*Dumping Ground A*”, centered on;

21° 04'·30N., 072° 29'·10E

legend, “*Dumping Ground C*”, centered on;

21° 04'·30N., 072° 30'·80E

Chart 208 [previous update 142/21]

Insert pecked line, -----, joining;

21° 02'·97N., 072° 28'·01E

21° 02'·97N., 072° 30'·01E

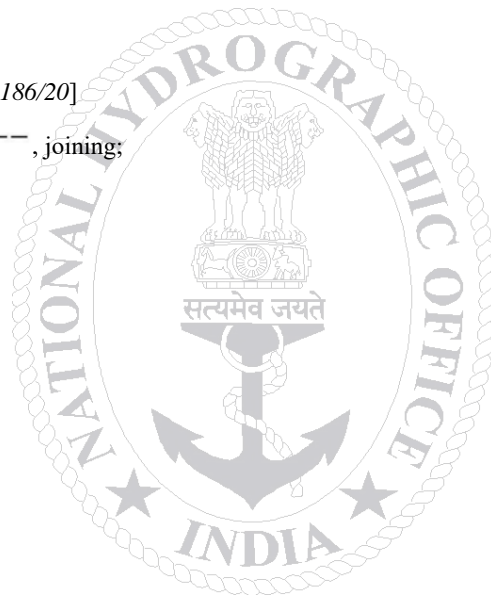
21° 04'·97N., 072° 30'·01E

21° 04'·97N., 072° 28'·01E

21° 02'·97N., 072° 28'·01E

and

21° 02'·97N., 072° 30'·01E



***149 (14/21) INDIA – WEST COAST – Gulf of Khambhat (Cambay) Southern Portion – Dumping ground and legend (Continued).**

21° 02′.97N., 072° 32′.01E

21° 04′.97N., 072° 32′.01E

21° 04′.97N., 072° 30′.01E

21° 02′.97N., 072° 30′.01E

legend, “*Dumping Ground A*”, centered on;

21° 04′.30N., 072° 29′.10E

legend, “*Dumping Ground C*”, centered on;

21° 04′.30N., 072° 30′.80E

Chart 209 [previous update 186/20]

Insert pecked line, -----, joining;

21° 02′.97N., 072° 28′.01E

21° 02′.97N., 072° 30′.01E

21° 04′.97N., 072° 30′.01E

21° 04′.97N., 072° 28′.01E

21° 02′.97N., 072° 28′.01E

and

21° 02′.97N., 072° 30′.01E

21° 02′.97N., 072° 32′.01E

21° 04′.97N., 072° 32′.01E

21° 04′.97N., 072° 30′.01E

21° 02′.97N., 072° 30′.01E

legend, “*Dumping Ground A*”, centered on;

21° 04′.30N., 072° 29′.10E

legend, “*Dumping Ground C*”, centered on;

21° 04′.30N., 072° 30′.80E

Chart 2044 [previous update 219/19]

Insert pecked line, -----, joining;

21° 03′.00N., 072° 28′.00E

21° 03′.00N., 072° 30′.00E

21° 05′.00N., 072° 30′.00E

21° 05′.00N., 072° 28′.00E

21° 03′.00N., 072° 28′.00E

and

21° 03′.00N., 072° 30′.00E

21° 03′.00N., 072° 32′.00E

21° 05′.00N., 072° 32′.00E

21° 05′.00N., 072° 30′.00E

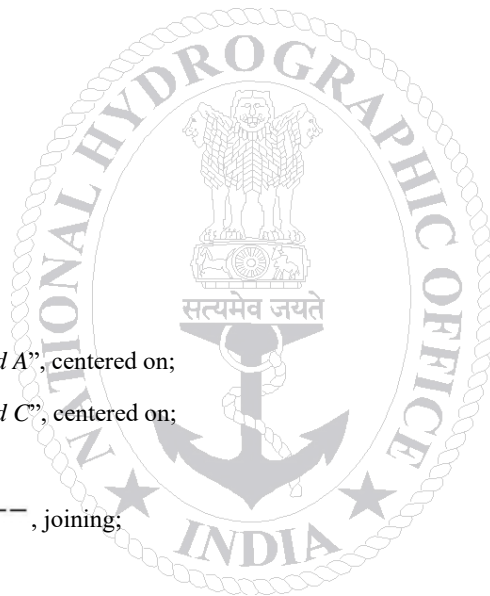
21° 03′.00N., 072° 30′.00E

legend, “*Dumping Ground A*”, centered on;

21° 04′.30N., 072° 29′.10E

legend, “*Dumping Ground C*”, centered on;

21° 04′.30N., 072° 30′.80E



***149 (14/21) INDIA – WEST COAST – Gulf of Khambhat (Cambay) Southern Portion – Dumping ground and legend (Continued).**

Chart 2101 (INT 7347) [previous update 206/20]

Insert pecked line, -----, joining;

21° 03'·00N., 072° 30'·00E

21° 03'·00N., 072° 32'·00E

21° 05'·00N., 072° 32'·00E

21° 05'·00N., 072° 30'·00E

21° 03'·00N., 072° 30'·00E

legend, “*Dumping Ground C*”, centered on;

21° 04'·30N., 072° 30'·80E

***150 (14/21) INDIA – WEST COAST – Approaches to Kochi – Wreck.**


Source: IH-102, INS Sutlej.

Chart 32 (INT 754) [previous update 110/21]

Insert  16 Wk

10° 08'·26N., 076° 03'·59E.


Chart 22 (INT 752) [previous update 137/21]

Insert  16 Wk

10° 08'·26N., 076° 03'·59E.

 60 Wk

10° 27'·12N., 075° 38'·22E.

Delete  PA

10° 27'·15N., 075° 38'·22E.

Chart 259 (INT 7356) [previous update NC 15Mar 21]

Insert  16 Wk

10° 08'·26N., 076° 03'·59E.

 60 Wk


10° 27'·12N., 075° 38'·22E.

Delete  PA

10° 08'·18N., 076° 03'·41E.

10° 27'·15N., 075° 38'·22E.

Chart 220 [previous update 078/21]

Insert  16 Wk

10° 08'·26N., 076° 03'·59E.

 60 Wk

10° 27'·12N., 075° 38'·22E.

Delete  PA

10° 08'·18N., 076° 03'·41E.

10° 27'·15N., 075° 38'·22E.

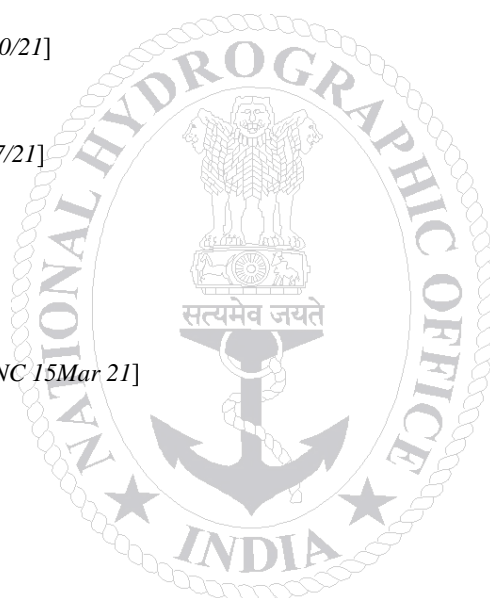
Chart 2029 (INT 7358) [previous update 048/21]


Insert  16 Wk

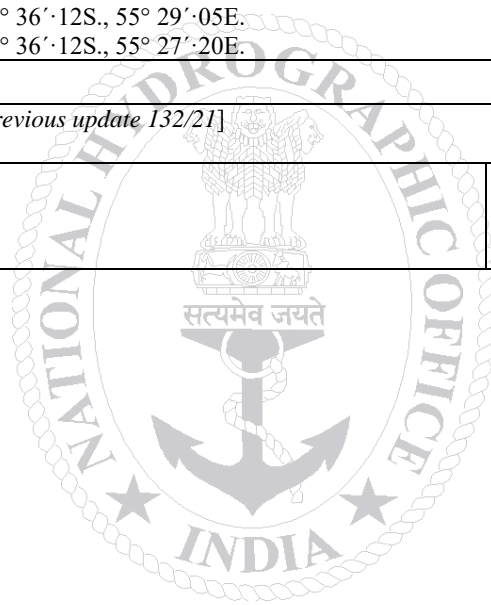
10° 08'·26N., 076° 03'·59E.

Delete  PA

10° 08'·18N., 076° 03'·41E.



*151 (14/21)		Miscellaneous updates to charts.	
Source: NHO Dehradun.			
Chart No.	Previous Updates	Details	
207	<i>133/21</i>	Insert Chart No. 2044 and Magenta limit as follows: 21° 12'·50N., 71° 46'·00E. 21° 02'·00N., 71° 46'·00E. 21° 02'·00N., 72° 14'·00E.	
		Delete Chart No. 2044 and Magenta limit as follows: 21° 12'·50N., 71° 45'·00E. 21° 02'·00N., 71° 45'·00E. 21° 02'·00N., 72° 14'·00E.	
2551	<i>099/19</i>	Insert Chart No. 2550 and Magenta limit as follows: 04° 38'·00S., 55° 27'·20E. 04° 38'·00S., 55° 30'·70E. 04° 35'·50S., 55° 30'·70E. 04° 35'·50S., 55° 27'·20E.	
		Delete Chart No. 2550 and Magenta limit as follows: 04° 38'·00S., 55° 27'·20E. 04° 38'·00S., 55° 29'·05E. 04° 36'·12S., 55° 29'·05E. 04° 36'·12S., 55° 27'·20E.	
Refer INTM 060(04/21)			
For	Chart 294 (INT 7023) [<i>previous update 132/21</i>]		
Delete		Racon	11° 41'·91N., 072° 42'·95E.



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

***152 (T) (14/21) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	19° 27'.35N., 71° 17'.94E.
Aban IV	19° 31'.84N., 71° 24'.92E.
CE Thornton	18° 29'.86N., 72° 15'.01E.
Discovery 1	19° 21'.10N., 71° 47'.20E.
DS Fossil	18° 43'.09N., 72° 19'.12E.
FG McIntok	18° 34'.11N., 72° 13'.45E.
Foresight Driller IX	19° 12'.64N., 70° 56'.05E.
Great Drill Chaaru	18° 33'.72N., 72° 17'.66E.
Great Drill Chetna	20° 29'.65N., 71° 39'.68E.
Great Drill Chaaya	18° 51'.69N., 72° 50'.85E.
Jindal Explorer	18° 08'.20N., 72° 19'.98E.
Jindal Star	18° 37'.93N., 72° 14'.22E.
Jindal Supreme	19° 37'.97N., 71° 41'.39E.
JT Angel	18° 04'.38N., 72° 25'.99E.
Parameswara	20° 08'.62N., 71° 21'.27E.
Ron Tappmeyer	19° 11'.05N., 72° 11'.21E.
Sagar Jyoti	19° 43'.76N., 71° 31'.80E.
Sagar Kiran	18° 58'.72N., 71° 32'.45E.
Sagar Ratna	20° 06'.42N., 72° 15'.79E.
Sagar Shakti	18° 53'.27N., 71° 52'.53E.
Sagar Udhay	19° 33'.57N., 71° 43'.21E.
Trident 2	19° 42'.05N., 71° 37'.59E.
Valiant Driller	19° 34'.71N., 71° 23'.15E.
Vivekananda 1	19° 11'.99N., 72° 11'.00E.
Vivekananda 2	20° 14'.88N., 71° 57'.77E.
Virtue 1	19° 14'.62N., 70° 53'.04E.

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 138 (T)/21 is cancelled.

***153 (T) (14/21) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban II	16° 40'·40N., 82° 24'·29E.
Deep driller 8	16° 40'·13N., 82° 25'·73E.
DDKG 1	16° 32'·19N., 82° 33'·72E.
DS Fortune	16° 20'·50N., 81° 59'·37E.
SSV Louisiana	16° 08'·60N., 82° 18'·40E.
Olinda Star	16° 27'·45N., 82° 25'·60E.
Platinum Explorer	15° 05'·92N., 82° 06'·44E.

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 – 391 – 354 (INT 7408) – 355 (INT 7405) – 3042.***Former INTM 144(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
Bangladesh (Kuakata)	- Operational

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

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
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, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

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

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 recommendatory 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/ IRIIDIUM AND SATELLITE PHONE**

- (a) 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.
- (b) 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).
- (c) 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>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 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: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. 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: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s JM Maritime Services 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 : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>L. R. Marine Services 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: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Lift o Marine Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	

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 Jul 21:-

2020 SERIES - 333 384 442 515 593 630 690 691 751 757
2021 SERIES - 016 017 147 170 205 286 340 361 387 392 411 420 433 434 447 459 463 465 478 479 480 491 493 494 500 501 503 505 509 513 515 518 520 521 522 528 530 531 533 534

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

504. Cancel NAVAREA VIII MSG 490/21 and this MSG. INTM 144(T) of 13/21 refers.
505. India West Coast – Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on (a) 02, 09,16, 19, 26 Jul 21 from 0900 to 1200 UTC (b) 05, 12, 23, 30 Jul 21 from 0900 to 1200 UTC and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-43.65N 076-09.7E. Wide berth from area advised. 2. Cancel this MSG 301530 UTC Jul 21.
506. India West Coast - Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on (a) 02, 09,16, 19, 26 Jul 21 from 0900 to 1200 UTC (b) 05, 12, 23, 30 Jul 21 from 0900 to 1200 UTC and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-43.65N 076-09.7E. Wide berth from area advised. 2. Cancel this MSG 301530 UTC Jul 21.
507. NAVAREA VIII - warnings in force as on 02 Jul 2021 2020 SERIES - 333 384 442 515 593 630 690 691 751 757 2021 SERIES - 016 017 147 170 205 286 340 361 384 387 392 411 420 433 434 439 447 459 463 465 478 479 480 491 493 494 500 501 503 505 506 (a) NAVAREA VIII warnings less Than 42 days promulgated via safety net. (b) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in . 2. Cancel this MSG 091000 UTC Jul 21.
508. India West Coast - Azhikod. Charts IN 220 2029 INT 7358. DGPS (10-12.2N 076-09.46E) transmission will be switched off from 050030 to 051230 UTC Jul 21 for maintenance. 2. Cancel this MSG 051230 UTC Jul 21.
509. India West Coast. Charts IN 21 253 254 292 INT 7331. Rig move. Parameswara (20-08.62N 071-21.27E). Refer to 138(T) of INTM 12/21. Wide berth requested.
510. Andaman Sea - Off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 08, 09 Jul 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 091030 UTC Jul 21.
511. India East Coast - Off Dhamra. Charts IN 31 351 352 3017 3038 INT 756. Experimental flight trials scheduled on 08, 09, 10, 11 Jul 21 from 0330 to 0730 UTC in danger area bounded by 20-47.6N 087-01.83E, 20-33.58N 086-58.1E, 17-08.5N 087-05.3E, 17-58.23N 089-30.88E, 20-40.68N 087-18.82E, 20-49.15N 087-06.38E. Wide berth from area advised. 2. Cancel this MSG 110830 UTC Jul 21.
512. Cancel NAVAREA VIII MSG 384/21 and this MSG.
513. India East Coast. Charts IN 31 355 391 INT 7405. Rig move. SSV Louisiana (16-08.6N 082-18.4E), D S Fortune (16-20.5N 081-59.37E), DDKG 1 (16-32.19N 082-33.72E). Refer to 144(T) of INTM 13/21. Wide berth requested.
514. India West Coast - Off Mormugao. Charts IN 22 214 257 293 2022 INT 7022. Firing scheduled from 090330 to 090730 UTC Jul 21 in danger sector extending upto 15 NM between bearing 220 to 260 from 15-24.7N 073-47.05E. Wide berth from area advised 2. Cancel this MSG 090830 UTC Jul 21.
515. Bay Of Bengal - Off Chittagong. Charts IN 31 BA 84 INT 756. Sangu 1 beacon LT and fog horn (22-00.92N 091-31.47E) inoperative.
516. Cancel NAVAREA VIII MSG 439/21 and this MSG.
517. Cancel NAVAREA VIII MSG 511/21 and this MSG.
518. Indian Ocean - Off Kenya. Charts IN 7071 7072 INT 71. Military exercises scheduled from 09 to 21 Jul 21 in danger area bounded within 01-39.72S to 01-54.72S and 041-32.7E to 041-47.7E. Wide berth from area advised.

518. Continued. 2. Cancel this MSG 211830 UTC Jul 21.
519. Bay of Bengal. Charts IN 31 351 352 3017 INT 756. Experimental flight trials scheduled on 12, 13, 14 Jul 21 from 0430 to 0730 UTC in danger area bounded by 21-22.33N 086-55.6E, 21-11.42N 086-53.12E, 20-45.82N 087-07.53E, 20-28.78N 086-58.97E, 15-40.87N 089-25.27E, 14-58.85N 090-03.75E, 15-07.85N 090-24.48E, 16-02.47N 090-11.22E, 20-49.63N 087-39.43E, 20-55.42N 087-23.72E, 21-18.3N 087-07.53E, 21-22.82N 086-56.63E. Wide berth from area advised. 2. Cancel this MSG 140830 UTC Jul 21.
520. India East Coast - Off Balasore. Charts IN 31 301 351 3011 INT 7419. IAF exercise scheduled on 12, 13, 14, 17, 19, 20, 22 Jul 21 from 0330 to 0630 UTC and 0830 to 1130 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-54E (c) 21-31N 087-42E (d) 21-13N 087-23E. Danger area extending upto coastline joining point A and B. Wide berth from area advised. 2. Cancel this MSG 221230 UTC Jul 21.
521. NAVAREA VIII - warnings in force as on 09 Jul 2021. 2020 SERIES - 333 384 442 515 593 630 690 691 751 757 2021 SERIES - 016 017 147 170 205 286 340 361 387 392 411 420 433 434 447 459 463 465 478 479 480 491 493 494 500 501 503 505 509 513 515 518 519 520 (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 www.hydrobharat.gov.in . 2. Cancel this MSG 161000 UTC Jul 21.
522. Andaman Sea - Off Barren I. Charts IN 41 473 INT 7031. Firing by CG Aircraft scheduled on 15, 16 Jul 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 161030 UTC Jul 21.
523. India West Coast - Off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 14 Jul 21 from 0530 to 0700 UTC. Danger sector (a) radius of 05 nm between azimuth 190 and 300 (b) radii of 45 nm and 75 nm between azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 140800 UTC Jul 21.
524. Cancel NAVAREA VIII MSG 519/21 and this MSG.
525. Bay of Bengal – Chart IN 33 INT 755. Capsized Sri Lankan fishing vessel reported adrift 11-00N 085-20E at 101000 UTC Jul 21. Crew rescued. 2. Cancel this MSG 151000 UTC Jul 21.
526. Bay of Bengal. Charts IN 31 351 352 INT 756. Experimental flight trials scheduled on 15, 16, 17 Jul 21 from 0430 to 0630 UTC and 0900 to 1100 UTC in danger area bounded by 20-35N 086-59.43E, 18-20.85N 088-57.17E, 18-46.28N 089-29.68E, 21-00.78N 087-32.1E. Wide berth from area advised. 2. Cancel this MSG 171200 UTC Jul 21.
527. India West Coast – kachchigadh. Charts IN 203 252 INT 7325. Racon K (22-19.85N 068-56.97E) transmission will be switched off from 121230 to 141230 UTC Jul 21 for maintenance. 2. Cancel this MSG 141230 UTC Jul 21.
528. India West Coast – Kanhoji Angre I. Charts IN 211 2016 INT 7336. Visible sector of main LT (18-42.2N 072-48.82E) changed to white light from true bearing 181 to 018 and red light from 018 to 181.
529. India East Coast - Puducherry. Charts IN 357 3044 INT 7397. DGPS (11-54.99N 079-49.85E) transmission will be switched off from 140030 to 151230 UTC Jul 21 for maintenance. 2. Cancel this MSG 151230 UTC Jul 21.
530. Arabian Sea. Chart IN 7071 INT 71. Life raft reported missing in approximate position 07-36.11N 061-31.9E at 120520 UTC Jul 21. 2. Cancel this MSG 160520 UTC Jul 21.
531. India East Coast – Gopalpur Port. Charts IN 305 353 3043 INT 7413. Port hand buoy 6 removed for maintenance. 2. Cancel this MSG 281000 UTC Jul 21.
532. India East Coast - Visakhapatnam. Charts IN 308 3012 INT 7411. Dolphin nose (17-40.53N 083-17.68E) DGPS transmission will be switched off from 150930 to 151130 UTC Jul 21 for maintenance. 2. Cancel this MSG 151230 UTC Jul 21.
533. India East Coast - Sagar I. Charts IN 351 3011 INT 7421. DGPS (21-39.51N 088-02.82E) transmission will be switched off from 160030 to 161230 UTC Jul 21 for maintenance. 2. Cancel this MSG 161330 UTC Jul 21.
534. Cancel NAVAREA VIII MSG 526/21 and this MSG.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

Bay of Bengal Pilot (INP-2)

Chapter - 2 (Page 127)

(Source: ROS, INS Nirupak)

Article 2.146, para 7, delete and replace by:

7 A small bight forms at the entrance of the mouth of river Varaha which lies 3½ miles ENE of pier at Revu Polavaram; the entrance to the river mouth has a depth of 6.2m

Article 2.146, para 8, delete and replace by:

8 A Plateau, 51m high, rises from the SW entrance point of the River Varaha mouth; 5 miles ENE of the entrance surmounts a remarkable rounded hill 185m high, which stands on the beach presenting a steep, seaward face.

Article 2.146, para 9, delete and replace by:

9 Pudimadaka lies on the shore of a small bight, a temple stands on the rocky cliff in the fishing village. Sandy shore of the village is used as shelter for local fishing craft.

Article 2.146, Insert new para 12 & 13 after para 11

12 **Piers.** Revu Polavaram pier lying 3½ miles SW of River Varaha; extending upto 150m from the coast. A disused pier disconnected with coast; lying 5 miles SW of Revu Polavaram pier. A pier lying 7½ miles NE of Pudimadaka lighthouse; extending upto 650m from the coast. Another pier lying 8.8 miles NE of Pudimadaka lighthouse; extending upto 900m from the coast including 200m disused set of iron pillars from seaward end of pier.

13 A Chimney (17°33'.79N 08°08'.25E) 275m high; white round masonry with red bands and flashing 50-60 flashes/minute is a prominent mark.

Page 134, article 2.174, para 3, delete and replace by:

3 Kavulvada, a hill 80m high stands 5¼ miles NE of Bheemunipatnam Lighthouse.

Page 135, article 2.176, para 3, delete and replace by:

3 Kandivalssa river, bearing 279° and open S of Ramachandrapuram hill, leads ¾ mile S of Agra Rock.

Article 2.176, para 4, delete and replace by:

4 Ramachandrapuram, a flat topped hill, 160m high, stands 5 miles NE of Santapalli Lighthouse. Kandivalasa River enters the sea, 2 miles NE of Santapalli Lighthouse.

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7083.96	- - - Ldg Lts 147°. Front	20 53.59 S 55 32.29 E	Q W	7	4	White square post	W142.5°- 151.5°(9°)
	*						
D7367.805	FASHT AL BAZAM - Al Fiyay. AF16	24 17.06 N 53 12.65 E	FI R 5s	..	..	Red □ on red metal post	..
	*	*	*	*	*	*	*
D7367.806	-- AF15	24 17.06 N 53 12.58 E	FI G 5s	..	..	Green Δ on green metal post	..
	*	*	*	*	*	*	*
D7371.4	-- Berth No 3	24 12.14 N 52 41.39 E	Mo(U)W 15s	..	3	Superbuoy	..
	*	*	*	*	*	*	*
	---	..	Horn Mo(U) 30s	..	..	..	..
							*
F0382.5	- - - Ldg Lts 129.9°. Front	22 29.33 N 69 51.12 E	F R	..	4		
		*					
F0382.51	- - - - Rear. 515m from front	22 29.31 N 69 51.35E	F R	..	4		
		*					
F0420	- Diu. Cavaleiro	20 42.82 N 70 59.76 E	FI W 2s	45	20	White round concrete tower black bands 15	<i>fl 0.5.</i> Storm signals TE 2021
							*
F0430.6	- Saiyad Rajpura Bandar	20 47.57 N 71 12.33 E	FI W 5s	24	7	Stone column and hut 5	<i>fl 1</i> TE 2021
							*
F0598	Vengurla Rocks	15 53.37 N 73 27.75 E	FI(2)W 20s	49	26	White metal tower, red bands 20	<i>fl 0.3, ec 4.7, fl 0.3, ec 14.7</i>
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79005
							*
F1044.1	PUSSUR RIVER - Karamjal	22 25.19 N 89 35.85 E	Lit	..	..	..	..
			*	*	*		
F1572	Sungai Tiang	03 54.11 N 100 42.06 E	FI R 5s	10	5	..	..
				*	*		


SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 12 dated 16 Jun 2021)

**PAGE 39, COAST RADIO STATIONS, MADAGASCAR,
ANTANANARIVO JRCC.**

Delete entry and replace by:

ANTANANARIVO JRCC		18°48'.03S 47°28'.57E
	+261 32 1125743 & 34 1374247	
		e-mail: jrccmad@moov.mg

**PAGE 39, COAST RADIO STATIONS, MADAGASCAR,
ANTALAHA.**

Delete entry

**PAGE 39, COAST RADIO STATIONS, MADAGASCAR,
ANTSIRANANA (6XC22).**

Delete entry

**PAGE 39, COAST RADIO STATIONS, MADAGASCAR,
ILE SAINTE MARIE.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
MAHAJANGA.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
MAINTIRANO.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
NOSY BE.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
PORT D'EHOALA.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
TOAMASINA.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
VOHEMAR.**

Delete entry

**PAGE 40, COAST RADIO STATIONS, MADAGASCAR,
POLLUTION REPORTING.**

Delete entry

8.2

INP 31(2), 2019

(Last correction: Edition No. 11 dated 01 Jun 2021)

NIL

INP 31(5), 2017

(Last correction: Edition No. 11 dated 01 Jun 2021)

PAGE 161, Chapter 10, DISTRESS, SEARCH AND RESCUE, MADAGASCAR

Delete entry including existing section VIII, Indian N to M 02/20 and replace by:

MADAGASCAR			
National SAR Agency: Joint Rescue Coordination Centre (JRCC) Antananarivo Address: B.P. "D" – Ivato Aeroport Antananarivo 105 - Madagascar Tel: +261 32 1125743 & 34 1374247 Fax: +261 20 2253934 Email: jrccmad@moov.mg			
A network of Coast Radio Stations maintains a continuous listening watch on international distress frequencies.			
	Telephone +261	Fax +261	Others/Ship Earth Stations (SES)
JRCC MADAGASCAR (Cospas-Sarsat SPOC)	32 1125743 34 1374247		AFTN: FMMIYCYX Email: jrccmad@moov.mg Website: www.acm.mg

Source: BA 27/21

(14/21)

INP 31(6), 2018

(Last correction: Edition No. 12 dated 16 Jun 2021)

**PAGE 95, JORDAN, GENERAL NOTES, ISPS
DESIGNATED AUTHORITY.**

Delete entry and replace by

ISPS DESIGNATED AUTHORITY

CONTACT DETAILS

Jordan Maritime Commission

Telephone: +962(0)3 2015858

+962(0)799 067447 Ext 104/123 (Mobile)

+962(0)799 067427 (Mobile)

Fax: +962(0)3 2031553

E-mail: tech@jma.gov.jo

gais@jma.gov.jo

Website: www.jma.gov.jo

PAGE 96, JORDAN, EL 'AQABA.

Delete entry and replace by

EL 'AQABA

29°31'N 35°00'E

Pilots

CONTACT DETAILS:

Pilots (Marine Services & Slipway)

Call: Aqaba VTS

VHF Channel: Ch 16; 12

Pilots

VHF Channel: Ch 08 09

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory** for all vessels bound for 'Aqaba for berthing, unberthing or entering the near and far anchorage areas.
- (2) **Pilot boards** in the following positions:
 - (a) Jordan Fertilizer Industry Berths and Oil Terminal AND Sheikh Sabah LNG Terminal: in position 29°21'.70N 34°56'.60E
 - (b) Navy jetty Inner: 29°23'.60N 34°57'.70E
 - (c) Navy jetty Outer: 29°22'.90N 34°56'.70E
 - (d) Yarmouk Floating Berth: 29°27'.11N 34°57'.70E
 - (e) Container Terminal: 29°27'.78N 34°57'.88E
 - (f) Moshtarak and Moutah Floating Berth: 29°28'.50N 34°58'.10E
 - (g) 'Aqaba General Cargo Berths and anchorage: 29°29'.72N 34°58'.21E

Vessel Traffic Service

AREA:

The VTS area extends for approximately 11 nm from the Jordan/Saudi Arabia border in the S, to the Jordan/Israel border on the N coast of the Gulf of 'Aqaba, including all sea areas to the Jordan/Israel border and adjacent harbours.

CONTACT DETAILS:

Call: 'Aqaba VTS
 VHF Channel: Ch 16; 08 09 12
 Telephone: +962(0)3 2720010 Ext 119
 +962(0)3 2720017
 +962(0)791698770 (Mobile)
 Fax: +962(0)3 2720016

HOURS: H24

PROCEDURE:

- (1) **Participation:** All vessels arriving at, staying in or departing from the Port of 'Aqaba are requested to participate in the VTS.
- (2) **Notice of ETA:** Vessels must initially Call 'Aqaba Port Control on VHF Ch77, 6h and 1h prior to arrival at the port and advise any significant changes. Vessels will then be transferred to 'Aqaba VTS on VHF Ch 12.
- (3) Vessels should advise notice of departure with a minimum of 2h in advance.
- (4) All communication with the VTS should be in English.

NOTE:

The VTS is operated by 'Aqaba Port Marine Services Company.

Port

CONTACT DETAILS:

Port Control

Call: 'Aqaba Port Control
 VHF Channel: Ch 16; 77
 Telephone: +962(0)3 2022694
 +962(0)7 97212220
 Fax: +962(0)3 2034323
 E-mail: port.control@jma.gov.jo
 hp.control@jma.gov.jo

Hr Mr

Telephone: +962(0)3 799067447 (Mobile)
 +962(0)3 799907800 (Mobile)
 Fax: +962(0)3 2031553
 E-mail: h_master@jma.gov.jo

'Aqaba Port Marine Services Co (APMSCO)

Telephone: +962(0)3 2034030
 Fax: +962(0)3 2034031
 E-mail: info@apms.jo
 Website: www.apms.jo

'Aqaba Container Terminal (ACT)

Telephone: +962(0)3 2039999
 Fax: +962(0)3 2039133
 E-mail: customerservice@act.com.jo
 Website: www.act.com.jo

Jordan Maritime Commission

Telephone: +962(0)3 2015858
 Fax: +962(0)3 2031553
 E-mail: jima@jma.gov.jo
 Website: www.jima.gov.jo

Sheikh Sabah LNG Terminal

Telephone: +962(0)7 95791645 (Manager)
 +962(0)3 2047170 (Control Room)
 Fax: +962(0)3 2047170
 E-mail: tm.jordan@lngsts.com
 Website: www.stsmarinesolutions.com

Phosphate Terminal

Telephone: +962(0)3 2090366
 +962(0)797117859 (Mobile)
 +962(0)775593143 (Mobile)
 Fax: +962(0)3 2090370
 +962(0)3 2090371
 E-mail: phosphateport@jpmc.com.jo
 Mohammad.jarrah@jpmc.com.jo

'AQABA Company for Ports Operation and Management

Telephone: +962(0)3 201431 Ext 3000
 +962(0)775463896 (Mobile (Operation manager))
 Fax: +962(0)3 2016404
 E-mail: info@aqabaports.gov.jo
 Website: www.aqabaports.com.jo

Jordan Industrial Ports Company

Telephone: +962(0)3 2017461
 Fax: +962(0)3 2017459
 E-mail: h.alqawasmeh@jpc.jo.com
 Website: www.jipc-jo.com

HOURS: H24

PROCEDURE:

- (1) Container vessels should submit both the Bay Plan and the Vessel Cargo Plan via agent to 'Aqaba Container Terminal (ACT) not less than 18h before arrival.
- (2) **Notice of ETA:** Vessels should send ETA by email/fax to 'Aqaba Port Control 24h/48h in advance. Message should be addressed to 'Aqaba Port Control and Aqaba VTS stating:
 - (a) Vessel's name
 - (b) Call sign
 - (c) Flag/Port of Registry
 - (d) LOA
 - (e) Maximum draught (forward and aft)
 - (f) gt/nt
 - (g) Last port of Call/Next port of Call
 - (h) ETA (Date and time)
 - (i) Propulsion (Single/twin screw)
 - (k) Type of Ramp/Length/Width
 - (l) Cargo (Type and tonnage)
 - (m) Liner or Charterer
 - (n) Agent's/owner's name
 - (p) Year built
 - (q) Dangerous cargo and radioactive elements
 - (r) Displacement
- (3) Vessels should initially Call 'Aqaba Port Control at least 2h in advance prior to arrival at the Pilot Station on VHF Ch 16 and transfer to VHF Ch 77 to exchange information. Vessels should then Call 'Aqaba VTS at least 2h in advance prior to arrival at the Pilot Station for berthing instructions.

(4) **Outward-Bound Vessels** should send ETD 2h in advance to 'Aqaba Port Control on VHF Ch 77, together with request for pilot on VHF Ch 12.

NOTE:

Vessels carrying dangerous cargo and radioactive elements should inform 'Aqaba Port Control as well as Aqaba VTS of all the details to enable the port to take the necessary precautions and safety measures for unloading.

Tugs

CONTACT DETAILS:

All Terminals (except LNG)

VHF Channel: Ch 08 09
Telephone: +962(0)3 2720010
Fax: +962(0)3 2720011
E-mail: info@apms.jo
Website: www.apms.jo

LNG Terminal (Boat Services)

VHF Channel: Ch 06

PROCEDURE:

Tugs are compulsory for all vessels bound for 'Aqaba for berthing and unberthing.

NOTE:

Tugs are operated by 'Aqaba Port Marine Services Company.

(Source: BA 28/21)

(14/21)

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour 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 : msis-inho@navy.gov.in, 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.

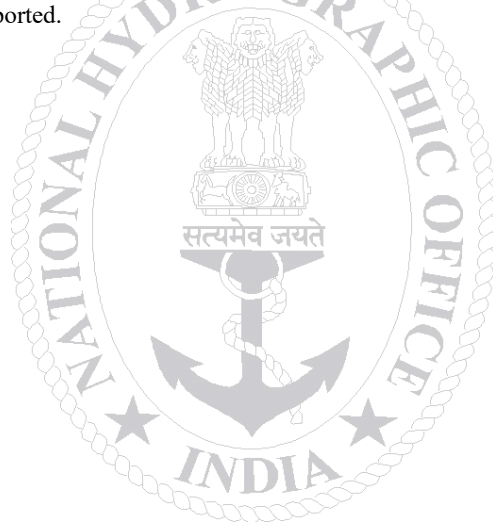
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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.

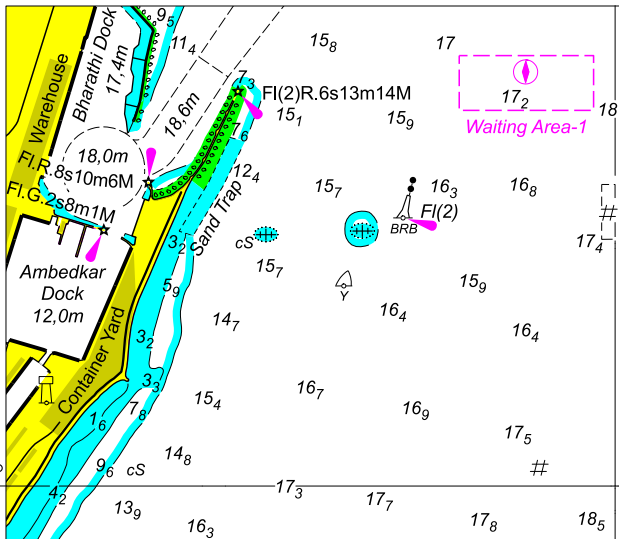


HYDROGRAPHIC NOTE		IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues			
Date		Ref. Number	
Name of the Ship or Sender			
Address			
Tel/FAX/E-mail address			
Observation Date		Time (UTC/IST)	
Object of Changes Observed (Tick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

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

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

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



80°18'

To accompany Notice to Mariners No.148/21

Maintained depth 18,0m

FI.R.8s10m6M

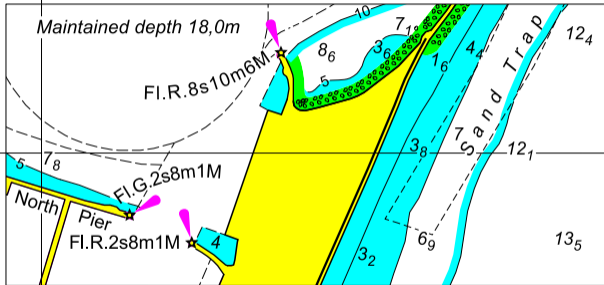
13°
06'

FI.G.2s8m1M

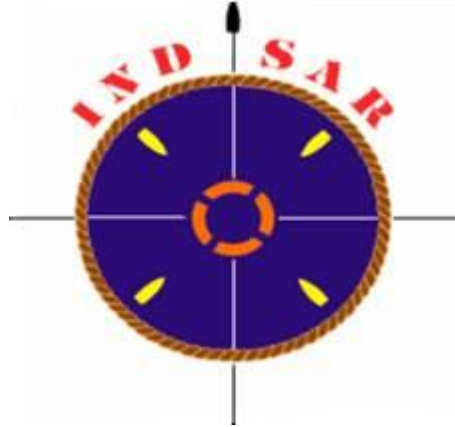
FI.R.2s8m1M

80°18'E

Block Correction For Chart No.3004



13°
06'



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC