



INDIAN NOTICES TO MARINERS



EDITION NO. 03 DATED 01 FEB 2023

(CONTAINS NOTICES 044 TO 048)

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(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



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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC_s AND PUBLICATION

1. The new Indian Charts that are available for mariners in the market are 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>
Nil					

2. The new edition Indian Charts that are available for mariners in the market are 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>
Nil					

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 The Indian Charts that are permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
Nil				

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

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

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2355RM	355	RAMAYAPATNAM TO SACRAMENTO SHOAL	23-01-2023
IN63034A	3034	KRISHNAPATNAM PORT	23-01-2023
IN43034B	3034	APPROACHES TO KRISHNAPATNAM	23-01-2023

6. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2355RM	355	RAMAYAPATNAM TO SACRAMENTO SHOAL	11-07-2022
IN63034A	3034	KRISHNAPATNAM PORT	23-06-2022
IN43034B	3034	APPROACHES TO KRISHNAPATNAM	24-06-2022

VI

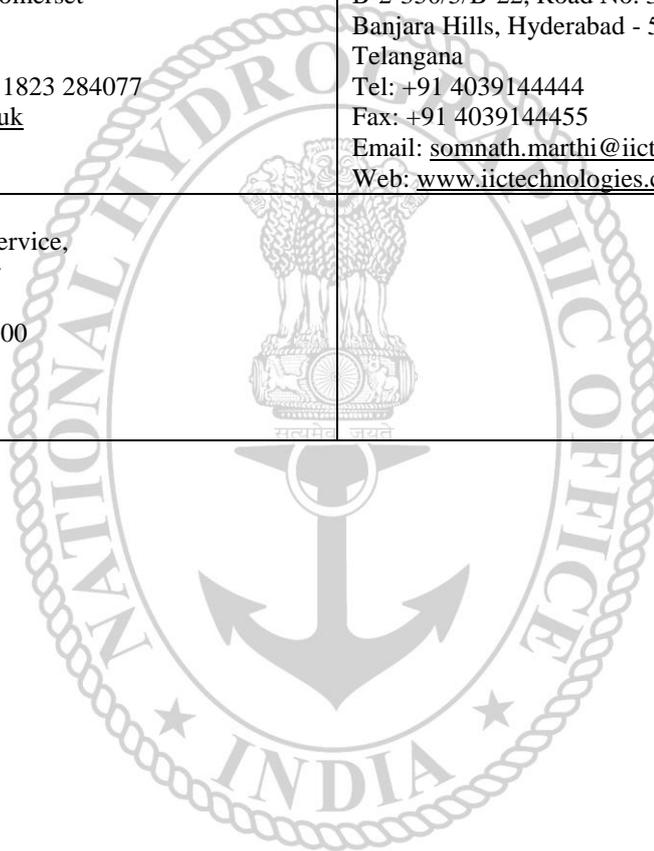
7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
253	VERAVAL TO PIPAVAV	3,00,000	New Edition
3511	APPROACHES TO SITTWE HARBOUR	75,000	New Chart

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the 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:

<p>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</p>	<p>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</p>
<p>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</p>	



SECTION – I

The list of charts affected by the Notices 044 to 048 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	046 (T)
22 (INT 752)	3	046 (T)
31 (INT 756)	5	048 (T)
32 (INT 754)	5	048 (T)
207	2	046 (T)
209	3	046 (T)
210	3	046 (T)
211	3	046 (T)
212	3	045
213	3	045
253 (INT 7328)	2	046 (T)
254 (INT 7331)	3	046 (T)
255 (INT 7334)	3	046 (T)
256 (INT 7340)	3	046 (T)
292 (INT 7021)	2	046 (T)
293 (INT 7022)	3	046 (T)
354 (INT 7408)	5	048 (T)
355 (INT 7405)	5	048 (T)
391	5	048 (T)
2005	2	047 (T)
2028	3	045
2074	3	045
2101 (INT 7347)	3	046 (T)
2114	2	047 (T)
3034	5	044

SECTION – II**PERMANENT NOTICES*****044 (03/23) INDIA – EAST COAST – Krishnapatnam Port – Accompanying Block.**

Source: NHO, Dehradun.

Chart 3034 [previous update 156/22]

Insert accompanying block, centered on; 14° 14′.77N., 88° 08′.98E.
 Insert accompanying block, centered on; 14° 15′.05N., 80° 08′.19E.

***045 (03/23) INDIA – WEST COAST – Pawas Bay- Ranpar Port; Approaches to Pawas Bay – Anchorage Area, Legend.**

Source: Ranpar Port

Chart 212 [previous update 031/23]

Insert anchorage area  joining; 16° 53′.20N., 073° 14′.50E.
 16° 53′.20N., 073° 15′.50E.
 16° 52′.60N., 073° 15′.50E.
 16° 52′.60N., 073° 14′.50E.
 16° 53′.20N., 073° 14′.50E.

anchorage area  joining; 16° 52′.40N., 073° 14′.50E.
 16° 52′.40N., 073° 15′.50E.
 16° 52′.00N., 073° 15′.50E.
 16° 52′.00N., 073° 14′.50E.
 16° 52′.40N., 073° 14′.50E.

Delete anchorage area  joining; 16° 53′.00N., 073° 14′.50E.
 16° 53′.00N., 073° 15′.50E.
 16° 52′.00N., 073° 15′.50E.
 16° 52′.00N., 073° 14′.50E.
 16° 53′.00N., 073° 14′.50E.

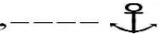
legend, ‘Coal and Chemical Anchorage’ centred on; 16° 52′.31N., 073° 13′.51E.

Chart 213 [previous update 044/21]

Insert anchorage area  joining; 16° 53′.20N., 073° 14′.50E.
 16° 53′.20N., 073° 15′.50E.
 16° 52′.60N., 073° 15′.50E.

***045 (03/23) INDIA – WEST COAST – Pawas Bay- Ranpar Port; Approaches to Pawas Bay – Anchorage Area, Legend (Continued).**

Insert

anchorage area  joining;

16° 52′·60N., 073° 14′·50E.
16° 53′·20N., 073° 14′·50E.

16° 52′·40N., 073° 14′·50E.
16° 52′·40N., 073° 15′·50E.
16° 51′·80N., 073° 15′·50E.
16° 51′·80N., 073° 14′·50E.
16° 52′·40N., 073° 14′·50E..

Delete

anchorage area  joining;

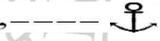
16° 53′·00N., 073° 14′·50E.
16° 53′·00N., 073° 15′·50E.
16° 52′·00N., 073° 15′·50E.
16° 52′·00N., 073° 14′·50E.
16° 53′·00N., 073° 14′·50E.

legend, ‘Coal and Chemical Anchorage’ centred on;

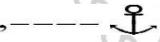
16° 52′·34N., 073° 13′·48E.

Chart 2028 [previous update NC 15 Sep 2019]

Insert

anchorage area  joining;

16° 53′·20N., 073° 14′·50E.
16° 53′·20N., 073° 15′·50E.
16° 52′·60N., 073° 15′·50E.
16° 52′·60N., 073° 14′·50E.
16° 53′·20N., 073° 14′·50E.

anchorage area  joining;

16° 52′·40N., 073° 14′·50E.
16° 52′·40N., 073° 15′·50E.
16° 51′·80N., 073° 15′·50E.
16° 51′·80N., 073° 14′·50E.
16° 52′·40N., 073° 14′·50E..

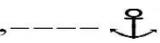
legend, ‘Chemical Anchorage’ centred on;

16° 52′·92N., 073° 15′·00E..

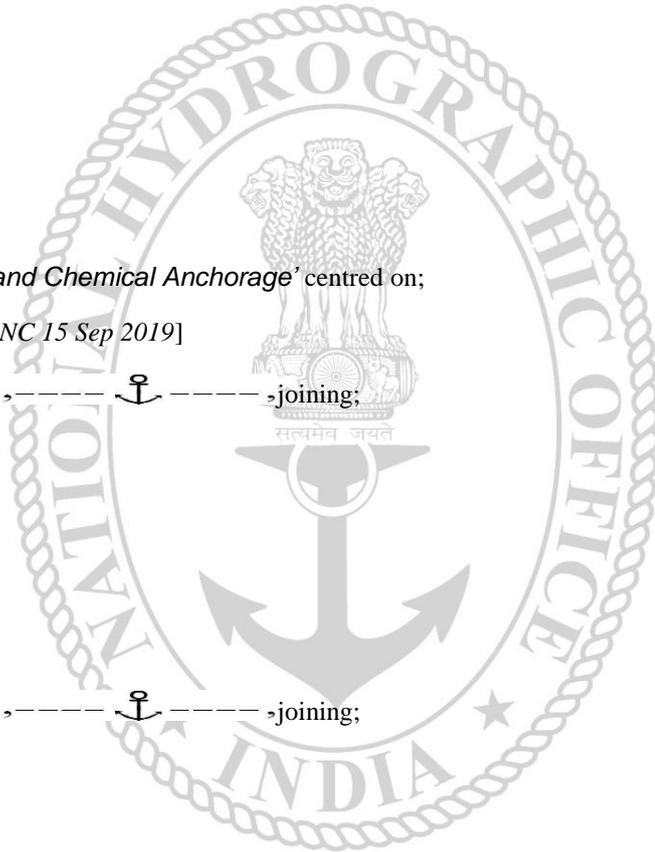
legend, ‘Coal Anchorage for STS Operation’ centred on;

16° 52′·10N., 073° 15′·00E..

Delete

anchorage area  joining;

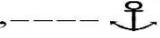
16° 53′·00N., 073° 14′·50E.
16° 53′·00N., 073° 15′·50E.
16° 52′·00N., 073° 15′·50E.
16° 52′·00N., 073° 14′·50E.
16° 53′·00N., 073° 14′·50E.



***045 (03/23) INDIA – WEST COAST – Pawas Bay- Ranpar Port; Approaches to Pawas Bay – Anchorage Area, Legend (Continued).**

Delete legend, 'Coal and Chemical Anchorage' centred on; 16° 52'·26N., 073° 15'·00E..

Chart 2074 (Approaches) [previous update 179/18]

Insert anchorage area  joining; 16° 53'·20N., 073° 14'·50E.
 16° 53'·20N., 073° 15'·50E.
 16° 52'·60N., 073° 15'·50E.
 16° 52'·60N., 073° 14'·50E.
 16° 53'·20N., 073° 14'·50E.

anchorage area  joining; 16° 52'·40N., 073° 14'·50E.
 16° 52'·40N., 073° 15'·50E.
 16° 51'·80N., 073° 15'·50E.
 16° 51'·80N., 073° 14'·50E.
 16° 52'·40N., 073° 14'·50E..

legend, 'Chemical Anchorage' centred on; 16° 53'·00N., 073° 15'·00E..
 legend, 'Coal Anchorage for STS Operation' centred on; 16° 52'·19N., 073° 15'·00E..

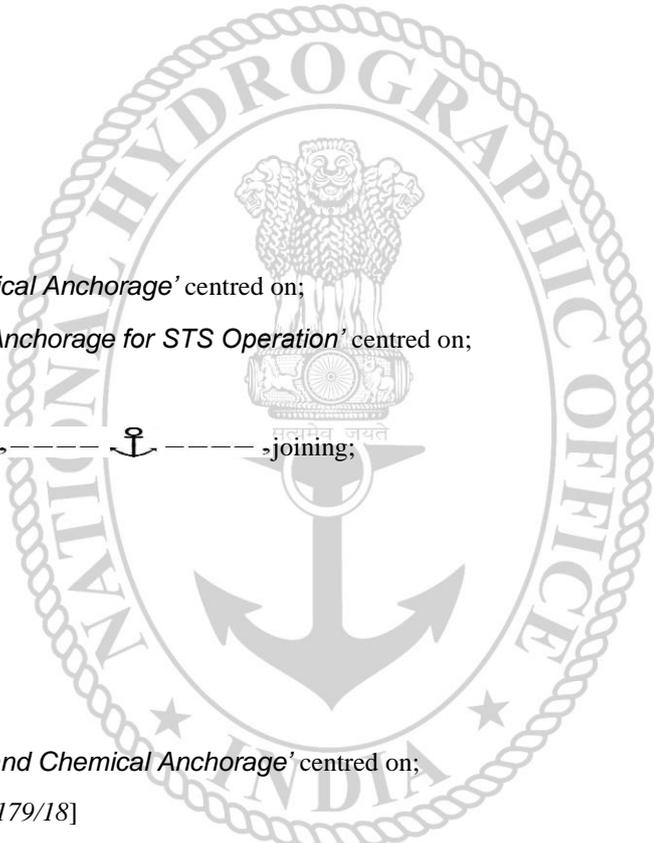
Delete anchorage area  joining; 16° 53'·00N., 073° 14'·50E.
 16° 53'·00N., 073° 15'·50E.
 16° 52'·00N., 073° 15'·50E.
 16° 52'·00N., 073° 14'·50E.
 16° 53'·00N., 073° 14'·50E.

legend, 'Coal and Chemical Anchorage' centred on; 16° 52'·61N., 073° 15'·00E..

Chart 2074 [previous update 179/18]

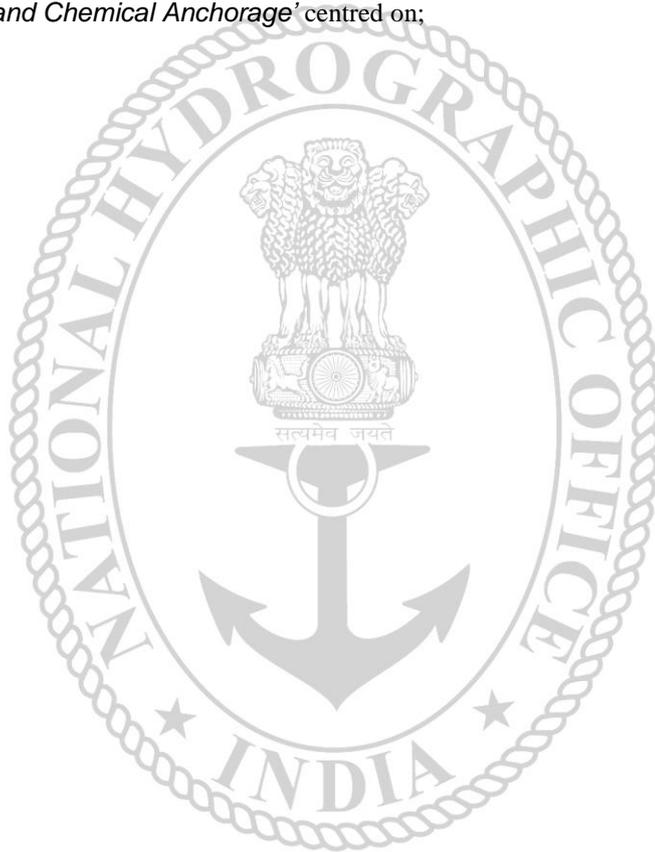
Insert anchorage area  joining; 16° 53'·20N., 073° 14'·50E.
 16° 53'·20N., 073° 15'·50E.
 16° 52'·60N., 073° 15'·50E.
 16° 52'·60N., 073° 14'·50E.
 16° 53'·20N., 073° 14'·50E.

anchorage area  joining; 16° 52'·40N., 073° 14'·50E.
 16° 52'·40N., 073° 15'·50E.
 16° 52'·20N., 073° 15'·50E.
 16° 52'·20N., 073° 14'·50E.
 16° 52'·40N., 073° 14'·50E.



***045 (03/23) INDIA – WEST COAST – Pawas Bay- Ranpar Port; Approaches to Pawas Bay – Anchorage Area, Legend (Continued).**

Insert	legend, ' <i>Chemical Anchorage</i> ' centred on;	16° 53'·00N., 073° 15'·00E.
	legend, ' <i>Coal Anchorage for STS Operation</i> ' centred on;	16° 52'·39N., 073° 15'·00E.
Delete	anchorage area \rightarrow -----  ----- \rightarrow joining;	16° 53'·00N., 073° 14'·50E. 16° 53'·00N., 073° 15'·50E. 16° 52'·20N., 073° 15'·50E. 16° 52'·20N., 073° 14'·50E. 16° 53'·00N., 073° 14'·50E.
	legend, ' <i>Coal and Chemical Anchorage</i> ' centred on;	16° 52'·54N., 073° 15'·00E.



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*046 (T) (03/23)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Aban III	18° 40'.37N., 72° 21'.47E.
Aban IV	19° 34'.32N., 71° 17'.75E.
Aban VIII	18° 44'.50N., 72° 19'.63E.
CE Thornton	19° 26'.11N., 71° 24'.16E.
Compact Driller	21° 01'.91N., 72° 33'.25E.
Discovery 1	19° 15'.95N., 72° 06'.05E.
DS Fossil	19° 14'.74N., 72° 06'.45E.
DS Fortune	18° 34'.48N., 72° 16'.76E.
FG MC Clintok	18° 42'.53N., 72° 20'.47E.
Foresight Driller IX	18° 18'.63N., 72° 21'.81E.
Great Drill Chaaru	18° 44'.08N., 72° 18'.47E.
Great Drill Chetna	18° 47'.74N., 71° 15'.67E.
Great Drill Chaaya	18° 38'.79N., 72° 14'.94E.
Great Drill Chitra	18° 56'.92N., 72° 15'.93E.
Jindal Star	18° 33'.72N., 72° 17'.66E.
Jindal Supreme	18° 46'.85N., 72° 17'.12E.
JT Angel	20° 11'.52N., 71° 52'.25E.
Jindal Explorer	19° 13'.35N., 72° 10'.87E.
Parameswara	19° 27'.35N., 71° 17'.94E.
Ron Tappmeyer	20° 37'.32N., 71° 38'.77E.
Sagar Vijay	19° 15'.06N., 71° 05'.43E.
Sagar Jyoti	19° 10'.62N., 70° 53'.02E.
Sagar Kiran	19° 25'.06N., 71° 12'.76E.
Sagar Ratna	19° 14'.67N., 71° 19'.47E.
Sagar Shakti	20° 20'.87N., 72° 13'.94E.
Sagar Uday	19° 23'.15N., 71° 51'.37E.
Sagar Gaurav	19° 58'.89N., 71° 39'.72E.
Trident 2	19° 26'.71N., 71° 20'.61E.
Trident 12	19° 07'.39N., 72° 06'.44E.
Vivekananda 1	19° 08'.72N., 71° 55'.25E.
Vivekananda 2	19° 24'.65N., 71° 13'.07E.
Virtue 1	19° 10'.61N., 70° 57'.65E.
Victory Driller	19° 15'.66N., 71° 21'.21E.
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 – 21 – 22 (INT 752) - 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255	

(INT 7334) – 256 (INT 7340) – 207 – 209 – 210 – 211 – 2101 (INT 7347)

Former INTM 035 (T)/23 is cancelled.

*047 (T) (03/23)	INDIA – WEST COAST – Approaches to Kharo Creek and Mitha Port - Buoys	
Source: IH – 102, INS Sutlej.		
1. Channel Marking buoys of Mitha Port are missing from charted positions:-		
Buoy No./Name	Position	Remarks
Stbd hand buoy 1	23° 14′.289N., 068° 34′.961E	Flashing Green
Stbd hand buoy 2	23° 14′.509N., 068° 35′.918E	Flashing Green
Port hand buoy 1	23° 14′.599N., 068° 35′.813E	Flashing Red
Port hand buoy 2	23° 14′.535N., 068° 35′.112E	Flashing Red
2. All positions are in WGS 84 datum.		
Charts Affected – 2005 – 2114.		

*048 (T) (03/23)	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° 20′.51N., 81° 55′.45E.	
DDKG 1	16° 32′.23N., 82° 35′.69E.	
Platinum Explorer	16° 24′.97N., 82° 22′.69E.	
Olinda Star	16° 23′.09N., 82° 21′.60E.	
Key Singapore	16° 27′.76N., 82° 10′.64E.	
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 – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 355 (INT 7405).		
<i>Former INTM 038 (T)/23 is cancelled.</i>		

SECTION – IV

MARINE INFORMATION

1. **NAVTEX TRANSMISSION**

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

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

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
			0110	0510	0910	1310	1710	2110
(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/ IRIDIUM 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 Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<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, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: 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@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.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>	<p>M/s CNC Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net</p>

<p>060. Continued. 53.41E from 07 to 09 Feb 23 (g) 19-11.78N 072-05.06E, 19-11.79N 072-14.14E, 19-02.71N 072-13.97E, 19-02.87N 072-04.89E from 10 to 11 Feb 23 (h) 19-20.77N 072-00.26E, 19-20.62N 072-09.35E, 19-11.71N 072-09.18E, 19-11.86N 072-00.11E from 12 to 20 Feb 23. Wide berth requested. 2. Cancel this MSG 201830 UTC Feb 23.</p>
<p>061. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Samudra Sarvekshak progressing survey in vicinity of 19-45.44N 071-11.23E, 19-45.96N 071-39.14E, 19-41.08N 071-50.29E, 19-34.81N 071-53.53E, 19-01.52N 071-10.89E, 20-02.11N 072-25.61E, 20-10.85N 072-18.85E, 18-39.23N 072-18.19E, 20-56.25N 072-34.27E, 18-54.73N 071-56.49E, 18-47.74N 071-15.61E. Wide berth requested. 2. Cancel this MSG 141830 UTC Feb 23.</p>
<p>062. India West Coast - off Mumbai. Charts IN 21 292 INT 7021. Fugro mapper progressing seabed survey in vicinity of 18-16.44N 072-22.79E, 19-46.01N 072-03.25E, 20-37.32N 071-38.77E, 19-22.45N 071-21.47E, 18-34.97N 072-14.45E, 19-10.61N 070-57.71E, 18-36.1N 071-01.6E, 18-45.65N 072-19.21E, 18-16.44N 072-22.79E, 19-34.71N 071-23.16E, 19-20.06N 072-01.26E, 20-08.68N 071-44.94E, 19-12.88N 072-06.79E. Wide berth requested. 2. Cancel this MSG 151830 UTC Feb 23.</p>
<p>063. India West Coast - off Pipavav. Charts IN 254 2081 2100 INT 7344. Auxilia and Ambiorix progressing rock dredging and reclamation work in area bounded by 20-52.92N 071-27.99E, 20-53.27N 071-28.44E, 20-53.26N 071-29.11E, 20-52.72N 071-28.29E. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 23.</p>
<p>064. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. North cardinal buoy (22-34.1N 069-18.35E) And Dhani Buoy (22-36.8N 069-27.5E) unlit. Ranwara buoy (22-39.2N 069-19.8E) missing.</p>
<p>065. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 22 Jan 23 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. 2. Cancel this MSG 221230 UTC Jan 23.</p>
<p>066. India West Coast - Murud-Janjira. Charts IN 21 211 256 293 2103 INT 7022. Bandar hill Lt (18-18.86N 072-57.58E) Not Operational From 17 Jan 23.</p>
<p>067. India West Coast - off Mumbai. Charts IN 21 211 255 292 INT 7334. GS Rashi will carry out pipeline survey from 21 Jan to 20 Feb 23 in areas bounded by (a) 18-53.46N 072-35.04E, 18-52.41N 072-36.1E, 18-52.15N 072-35.52E, 18-52.96N 072-34.65E (b) 18-47.33N 072-47.76E, 18-42.07N 072-35.65E, 18-47.6N 072-36.37E, 18-49.18N 072-46.31E (c) 18-40.2N 072-28.48E, 18-35.57N 072-13.54E, 18-32.74N 072-14.69E, 18-38.78N 072-29.14E. Wide berth requested. 2. Cancel this MSG 201830 UTC Feb 23.</p>
<p>068. Lakshadweep Sea - off Kavaratti I. Charts IN 22 268 273 2023 INT 7353. Firing scheduled on 20 Jan 23 from 0230 to 1230 UTC in danger area bounded by 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.90E, 10-32.60N 072-37.25E. Wide berth from area advised. 2. Cancel this MSG 201330 UTC Jan 23.</p>
<p>069. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Strider progressing cable laying operation in vicinity of 19-05.60N 072-46.94E, 19-04.18N 072-44.13E, 19-01.33N 072-39.05E, 18-59.83N 072-38.43E, 18-59.38N 072-37.77E, 18-59.51N 072-38.27E, 18-59.42N 072-38.08E, 18-59.35N 072-37.44E. Wide berth of 02 nm requested. 2. Cancel this MSG 281830 UTC Feb 23.</p>
<p>070. India West Coast - off Mumbai. Charts IN 21 255 292 293 INT 7334. Awb seamec glorious progressing installation works in vicinity of 18-35.05N 072-14.35E, 18-34.96N 072-14.45E, 19-12.83N 072-06.78E. Wide berth requested. 2. Cancel this MSG 061830 UTC Feb 23.</p>
<p>071. Andaman Sea - off Myanmar. Charts IN 31 7706 BA 830 INT 756. Ss Barakuda will carry out geotechnical survey from 23 Jan to 20 May 23 in area bounded by 16-54.6N 093-52.02E, 16-58.91N 093-58.34E, 16-42.56N 094-08.37E, 15-28.19N 094-01.38E, 15-06.83N 094-53.2E, 14-58.63N 094-46.94E, 15-23.05N 093-51.79E, 16-41.83N 094-01.06E. Wide berth of 02 nm requested. 2. Cancel this MSG 201830 UTC May 23.</p>
<p>072. Navarea VIII - Warnings in force as on 20 Jan 2023. 2021 Series - 147 286 340 463 478 479 544 629 658 759 761 833 2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 980 997 1002 1011 1023 1024 1025 1027 1036 1046 1056 2023 Series - 004 007 008 015 029 034 035 036 037 040 041 042 043 045 046 048 049 052 053 057 058 060 061 062 063 064 065 066 067 069 070 071 (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 www.hydrobharat.gov.in. 2. Cancel this MSG 271000 UTC Jan 23.</p>

073.	India East Coast. Charts IN 31 355 391 INT 7405. Rig move. Platinum explorer (16-24.97N 082-22.69E). Refer to 038(T) of INTM 02/23. Wide berth requested.
074.	India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Gd Chitra (18-56.92N 072-15.93E). Refer to 035(T) of INTM 02/23. Wide berth requested.
075.	India East Coast - off Kakinada. Charts IN 31 355 391 INT 756. Southern ocean carrying out hook-up installation activities in vicinity of 16-22.13N 082-19.24E, 16-23.22N 082-18.13E, 16-23.21N 082-20.37E, 16-21.04N 082-20.36E, 16-21.05N 082-18.11E from 21 Jan to 20 Feb 23. Wide berth 02 nm requested. 2. Cancel this MSG 201830 UTC Feb 23.
076.	India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 25 Jan 23 from 0330 to 0930 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised 2. Cancel this MSG 251030 UTC Jan 23.
077.	India West Coast - off Ponnani. Charts IN 22 220 259 294 INT 7356. Firing by CG aircraft scheduled 26, 27 Jan 23 from 0330 to 0730 UTC in danger area bounded by 10-50N 075-35E, 10-20N 075-40E, 10-20N 075-10E, 10-50N 075-00E. Wide berth from area advised. 2. Cancel this MSG 270830 UTC Jan 23.
078.	Indian Ocean - off Reunion. Charts IN 7702 BA 712 INT 702. Gunnery exercise scheduled from 240300 to 241400 UTC Jan 23 in danger area bounded by 21-12S 054-57E, 21-19.5S 054-25.9E, 21-39S 054-33.5E, 21-26S 055-02.5E. Wide berth from area advised. 2. Cancel this MSG 241430 UTC Jan 23.
079.	Southern Indian Ocean. Charts IN 7070 7073 7702 INT 70. Marion Dufresne will carry out survey in vicinity of 30-00S 066-25E, 24-23S 072-22E, 24-12S 063-00E from 24 Jan to 28 Feb 23. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 23.
080.	Arabian Sea - off Somalia. Charts IN 7703 7705 INT 703. Msv bismillah alongwith 08 crew reported missing from approximate position 11-29.66N 052-27.09E since 13 Jan 23. Mariners to keep sharp lookout. 2. Cancel this MSG 271830 UTC Jan 23.
081.	India East Coast - off Kakinada. Charts IN 31 32 355 391 INT 7405. West Polaris progressing drilling activities in vicinity of 16-18.73N 082-17.85E. Wide berth requested. 2. Cancel this MSG 241830 UTC Mar 23.
082.	Bay of Bengal - off Balasore. Charts IN 31 351 INT 7419. Experimental flight trial scheduled from 270630 to 271030 UTC, 280500 to 280700 UTC, 280900 to 281100 UTC and 290530 to 290930 UTC Jan 23 in danger area bounded by 20-48.36N 087-02.58E, 15-13.5N 085-01.33E, 15-38.65N 090-06.91E, 20-55.85N 087-15.56E. Wide berth from area advised. 2. Cancel this MSG 291030 UTC Jan 23.
083.	India West Coast - off Mumbai. Charts IN 21 253 255 292 INT 7334. Acoms 11 progressing pipeline survey in areas bounded by (a) 19-42.47N 070-45.39E, 19-41.76N 071-40.36E, 18-55.88N 071-39.67E, 18-55.91N 070-44.90E (b) 18-46.37N 072-09.43E, 18-43.14N 072-24.05E, 17-58.8N 072-23.18E, 17-59.05N 072-08.57E (c) 19-27.83N 071-45.34E, 19-27.53N 072-12.95E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E (d) 20-40.94N 071-43.28E, 20-40.48N 072-09.69E, 20-04.22N 072-08.95E, 20-04.65N 071-42.66E. Wide berth requested. 2. Cancel this MSG 211830 UTC Feb 23.
084.	India West Coast - Mitha Port. Charts IN 21 201 251 2005 2114 INT 7318. Buoys (23-14.29N 068-34.96E, 23-14.60N 068-35.81E, 23-14.51N 068-35.92E, 23-14.53N 068-35.11E) reported missing.
085.	India East Coast. Charts IN 31 355 INT 7405. Rig move. Olinda star (16-23.09N 082-21.60E). Refer to 038(T) of INTM 02/23. Wide berth requested.
086.	India West Coast - off Mumbai. Charts IN 21 211 255 292 INT 7334. Goodman will carry out installation activities in vicinity of 18-37.22N 072-14.95E from 25 Jan to 03 Feb 23. Wide berth requested. 2. Cancel this MSG 031830 UTC Feb 23.
087.	Lakshadweep Sea - off Kavaratti I. Charts IN 22 268 273 INT 752. Firing scheduled on 27 Jan 23 from 0230 to 0630 utc in danger area bounded within 10-15N to 10-30N and 072-40E to 072-55E. Wide berth from area advised. 2. Cancel this MSG 270730 UTC Jan 23.
088.	India West Coast. Charts IN 211 255 292 INT 7334. Rig Jindal star (18-33.72N 072-17.66E), Discovery-1(19-15.95N 072-06.05E), CE Thornton (19-26.11N 071-24.16E) demobilised. Refer to 035 (T) of INTM 02/23.
089.	Cancel Navarea VIII MSG 075/23 And This MSG.
090.	Andaman Sea. Charts IN 33 41 7706 INT 706. Eagle explorer will carry out seismic survey in vicinity of 08-05.6N 090-24.17E, 08-05.6N 091-03.71E, 06-14.56N 091-03.71E, 06-14.56N 091-55.09E, 10-37.4N 091-55.09E, 10-37.4N 093-35.8E, 13-05.35N 093-35.8E, 13-05.35N 095-19.15E, 12-32.87N 094-59.19E, 12-32.87N 095-41.26E, 12-10.82N 095-41.26E, 12-10.82N 094-59.19E, 09-44.97N 094-59.19E, 09-30.22N 095-18.17E, 07-14.4N 095-18.17E, 05-48.1N 094-16.54E, 04-52.82N 093-23.77E, 04-01.06N 092-41.94E, 04-01.06N 091-49.71E, 04-20.51N 091-21.87E, 05-14.31N 090-48.72E, 06-01.45N 090-24.17E from 26 Jan to 25 Feb 23. Tow length 10km. Wide berth requested. 2. Cancel this MSG 251830 UTC Feb 23.

091. Cancel Navarea VIII MSG 597/22 And This MSG.
092. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Sudarshan progressing structural work of ONGC platforms in area bounded by 19-11.14N 071-06.67E, 19-10.79N 071-33.99E, 19-26.2N 071-34.28E, 19-26.56N 071-06.89E from 28 Jan to 28 Feb 23. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 23.
093. Navarea VIII - Warnings In Force As On 27 Jan 2023. 2021 Series - 147 286 340 463 478 479 544 629 658 759 761 833 2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 623 646 651 656 688 691 702 757 805 824 856 883 931 956 970 980 997 1002 1011 1047 1056 2023 Series - 004 007 008 015 029 034 035 036 037 040 041 042 043 045 048 049 057 060 061 062 063 064 066 067 069 070 071 073 074 079 080 081 082 083 084 085 086 088 090 092 (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 031000 UTC Feb 23.
094. India East Coast – Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled on 31 Jan 23 from 0830 to 0930 UTC in danger sector extending upto 11 nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised. 2. Cancel this MSG 311030 UTC Jan 23.
095. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 03 Feb 23 from 0330 to 0930 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised. 2. Cancel this MSG 031030 UTC Feb 23.
096. Bay of Bengal - off Myanmar. Charts IN 31 BA 817 INT 7430. MV Pacific rapier will carry out pipeline survey in area bounded by 19-34.6N 092-35.04E, 19-35.33N 092-36.75E, 19-40.97N 092-33.74E, 19-40.39N 092-32.32E, 19-40.58N 092-32.52E, 19-41.95N 092-33.03E, 19-27.66N 093-29.87E, 19-26.35N 093-29.39E from 01 to 28 Feb 23. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 23.
097. Cancel Navarea VIII MSG 043/23 And This MSG.
098. Indian Ocean - off Mombasa. Charts IN 7070 7071 7702 INT 701. Cs Ile de batz progressing cable installation operation along line joining 06-43S 039-15.6E, 06-42.2S 039-18.8E, 06-35.5S 039-43E, 06-26.2S 040-14.2E, 06-26.9S 040-27.7E. Wide berth requested. 2. Cancel this MSG 101830 UTC Feb 23.
099. India West Coast. Charts IN 21 211 255 292 INT 7334. Rig move. Trident 2 (19-33.38N 071-19.7E). Refer to 038(T) of INTM 02/23. Wide berth requested.
100. India West Coast - Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled (a) 03, 10, 17, 24 Feb 23 from 0900 to 1200 UTC and 1230 to 1430 UTC (b) 06, 13, 20, 27 Feb 23 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 271300 UTC Feb 23.
101. Andaman Sea - off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 03 Feb 23 from 0730 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 031030 UTC Feb 23.
102. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled from 03 to 04 Feb, 07 to 09 Feb, 14 to 16 Feb, 20 to 26 Feb 23 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 261530 UTC Feb 23.
103. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. IAF exercise scheduled 02 and 03 Feb 23 from 0430 to 1100 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 (e) 21-00.38N 087-02.85E. Danger area extending upto coastline joining point A and B. Wide berth from area advised. 2. Cancel this MSG 031200 UTC Feb 23.
104. India West Coast - off Mormugao. Charts IN 22 214 257 293 2022 INT 7022. Barge Rio Martina III reported sunk in approximate position 15-26.75N 073-42.18E at 301300 UTC Jan 23.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 23 dated 01 Dec 2022)

NIL

INP 31(2), 2019

(Last correction: Edition No. 24 dated 16 Dec 2022)

NIL

INP 31(5), 2017

(Last correction: Edition No. 24 dated 16 Dec 2021)

NIL

INP 31(6), 2018

(Last correction: Edition No. 02 dated 16 Jan 2023)

NIL

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.

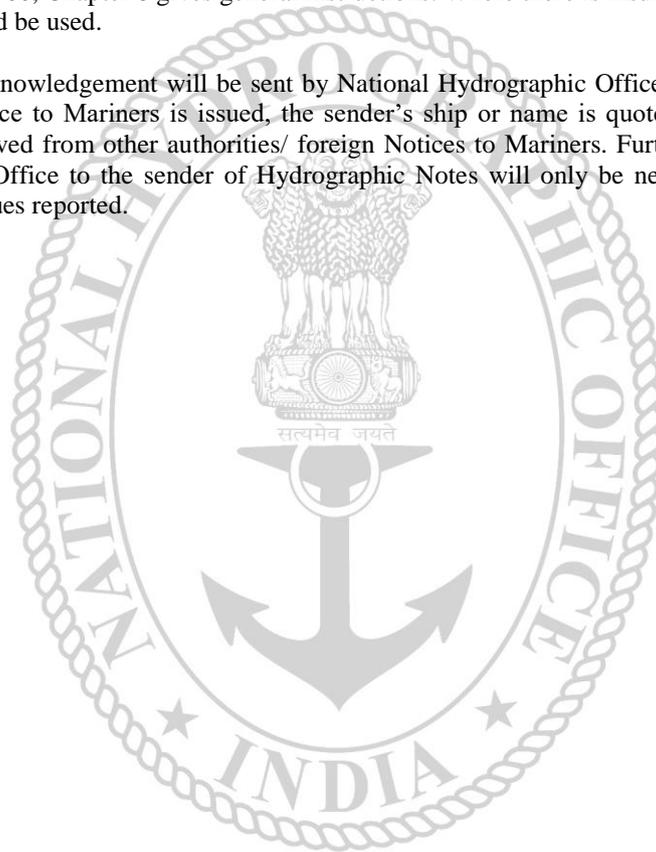
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

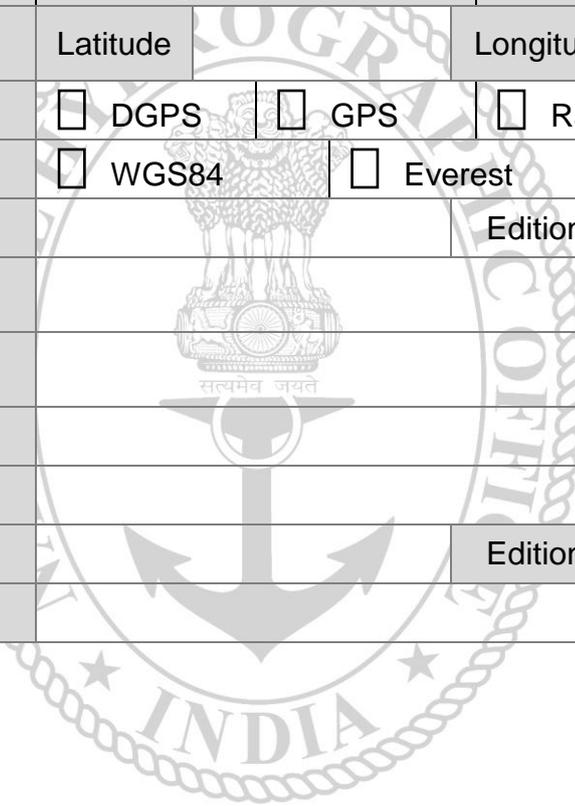
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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.



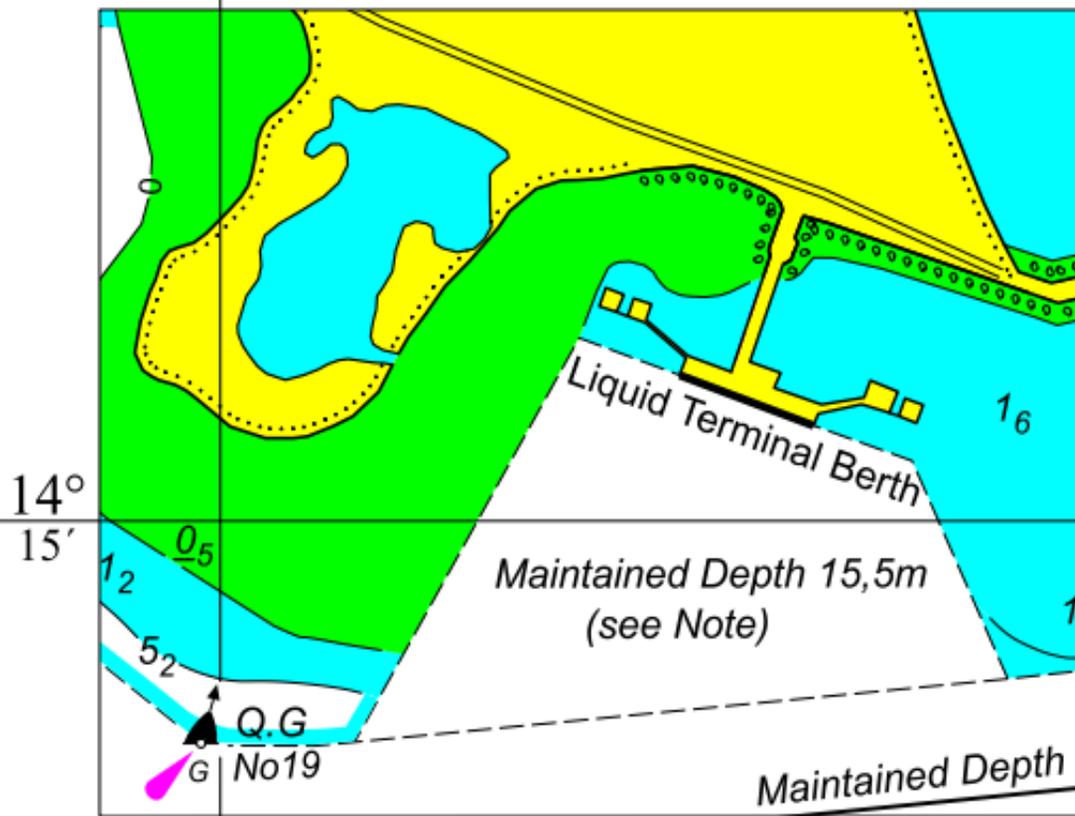
HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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

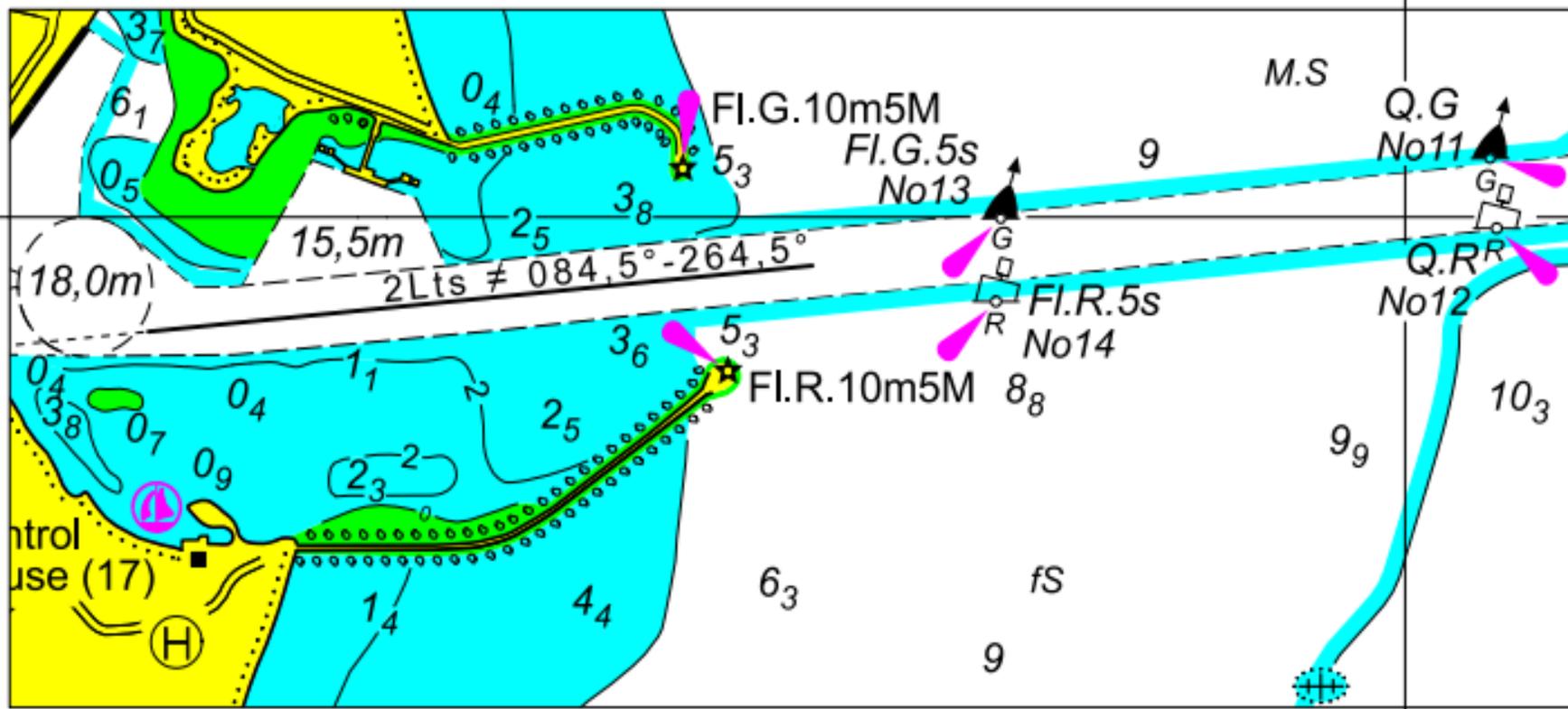
To accompany Indian Notices to Mariners No. 044/2023



80°08'E

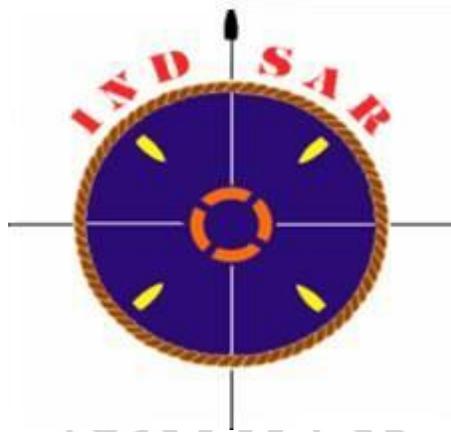
Block correction for Chart No. 3034

Block Correction for Chart No. 3034



To accompany Indian Notices to Mariners No. 045/2023

80° 10' E



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