

INDIAN NOTICES TO MARINERS



EDITION NO. 05 DATED 01 MAR 2022

(CONTAINS NOTICES 066 TO 073)

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

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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 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>
-NIL-					

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

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

3. The Indian Chart that is permanently withdrawn is as follows:-

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

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

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

5. The new edition Indian Electronic Navigational 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>
IN3216BA	216	BELEKERI TO KUNDAPURA	24-02-2022
IN52008A	2008	APPROACHES TO KARWAR	24-02-2022
IN42353A	2353	APPROACHES TO KARWAR AND BELEKERI	24-02-2022

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>
IN3216BA	216	BELEKERI TO KUNDAPURA	10-07-2018
IN52008A	2008	APPROACHES TO KARWAR	21-06-2019
IN42353A	2353	APPROACHES TO KARWAR AND BELEKERI	24-05-2018

VI

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
3037	DHAMRA PORT	12,500	New Edition
3038	APPROACHES TO DHAMRA PORT	25,000	New Edition

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 066 to 073 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	069
31 (INT 756)	5	073 (T)
202	2	072 (T)
207	2	069
210	3	072 (T)
211	3	072 (T)
216	4	066
251 (INT 7318)	2	067, 072 (T)
253 (INT 7328)	2	069, 072 (T)
254 (INT 7331)	3	069, 072 (T)
255 (INT 7334)	3	072 (T)
256 (INT 7340)	3	072 (T)
271	2	072 (T)
292 (INT 7021)	2	069, 072 (T)
293 (INT 7022)	3	072 (T)
409 (INT 7448)	6	071
2008	3	066
2044	2	068
2056	2	069
2065	3	070
2081 (INT 7342)	2	069
2100 (INT 7342)	2	069
2101 (INT 7347)	3	068
2109	3	068
2353	3	066
2527 (INT 77397)	1	071

SECTION – II**PERMANENT NOTICES*****066 (05/22) INDIA – WEST COAST – Approaches to Karwar – Accompanying Block.**

Source: NHO, Dehradun.

Chart 216 [previous update 083/19]

Insert accompanying block, centered on;

14° 45′·60N., 74° 12′·00E.

Chart 2353 [previous update 099/21]

Insert accompanying block, centered on;

14° 45′·45N., 74° 09′·15E.

Chart 2008 [previous update 099/21]

Insert accompanying block, centered on;

14° 45′·45N., 74° 09′·45E.

***067 (05/22) ARABIAN SEA – COAST OF INDIA AND PAKISTAN – Sir Creek to Dwarka – Legend.**

Source: NHO, Dehradun.

Chart 251 (INT 7318) [previous update 203/21]

Substitute legend, " BHAVNAGAR" for "GODIA CREEK", centered on;

23° 30′·90N., 68° 44′·60E.

***068 (05/22) INDIA – WEST COAST – Tapi River – Buoys.**

Source: Hazira Shipping and Offshore Division.

Chart 2044 [previous update 045/22]

Delete



21° 06′·96N., 72° 40′·11E.



21° 07′·78N., 72° 39′·71E.

Chart 2109 [previous update 206/20]

Delete



No. 9

21° 06′·96N., 72° 40′·11E.



No.10

21° 07′·78N., 72° 39′·71E.

Chart 2101 (INT 7347) [previous update 045/22]

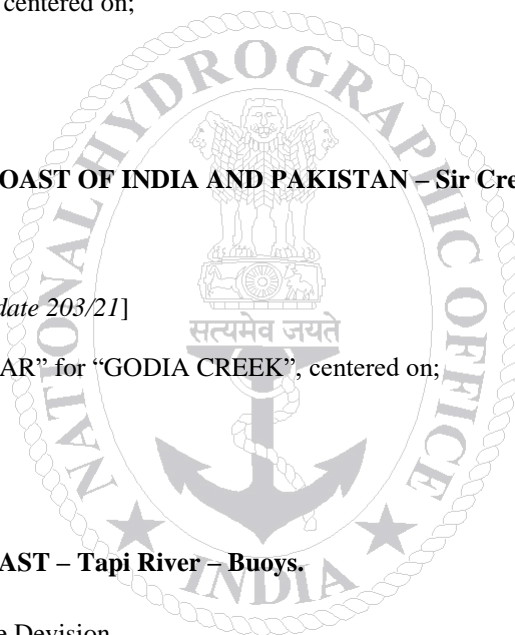
Delete



21° 06′·96N., 72° 40′·11E.



21° 07′·78N., 72° 39′·71E.



***069 (05/22) INDIA – WEST COAST – Jafarabad Port – Light.**

Source: DLL Jamnagar.

Chart 21 [previous update 222/21]

Insert		Fl.18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.24M	20° 51′.45N., 71° 22′.92E.

Chart 292 (INT 7021) [previous update 158/21]

Insert		Fl.18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.24M	20° 51′.45N., 71° 22′.92E.

Chart 254 (INT 7331) [previous update 158/21]


Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

Chart 253 (INT 7328) [previous update 133/21]

Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

Chart 207 [previous update 157/21]

Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

Chart 2081 (INT 7342) [previous update 167/20]

Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

Chart 2100 [previous update 189/20]

Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

Chart 2056 [previous update 197/14]

Insert		Fl.10s56m18M	20° 51′.50N., 71° 22′.89E.
Delete		Fl.10s29m24M	20° 51′.45N., 71° 22′.92E.

***070 (05/22) INDIA – WEST COAST – Port Dabhol – Legend.**

Source: Konkan LNG Ltd.


Chart 2065 [previous update 037/22]

Substitute	legend,"KLL JETTY" for "KLPL JETTY", centered on;	17° 31′.94N., 73° 08′.85E.
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*071 (05/22)		Miscellaneous updates to charts.
Source: NHO, Dehradun.		
For INTM 059/22, Read this:-		
Chart No.	Previous Updates	Details
409	137/21	Insert Chart No. 4206 and Magenta limit as follows: 07° 21'·00N., 93° 29'·50E. 07° 21'·00N., 93° 47'·00E. 07° 34'·00N., 93° 47'·00E. 07° 34'·00N., 93° 29'·50E. 07° 21'·00N., 93° 29'·50E.
		Delete Chart No. 4036 and Magenta limit as follows: 07° 21'·20N., 93° 29'·01E. 07° 21'·20N., 93° 46'·70E. 07° 34'·20N., 93° 46'·70E. 07° 34'·20N., 93° 29'·01E. 07° 21'·20N., 93° 29'·01E.
		Insert Chart No. 4207 and Magenta limit as follows: 07° 05'·50N., 93° 31'·00E. 07° 05'·50N., 93° 57'·60E. 07° 22'·60N., 93° 57'·60E. 07° 22'·60N., 93° 31'·00E. 07° 05'·50N., 93° 31'·00E.
		Delete Chart No. 4034 and Magenta limit as follows: 07° 05'·60N., 93° 30'·60E. 07° 05'·60N., 93° 57'·20E. 07° 22'·70N., 93° 57'·20E. 07° 22'·70N., 93° 30'·60E. 07° 05'·60N., 93° 30'·60E.
2527	171/21	Insert Chart No. 2530 and Magenta limit as follows: 20° 30'·00S., 57° 41'·50E. 20° 30'·00S., 57° 52'·50E. 20° 14'·00S., 57° 52'·50E. 20° 14'·00S., 57° 41'·50E. 20° 30'·00S., 57° 41'·50E.

Section – III**TEMPORARY AND PRELIMINARY NOTICES**

*072 (T) (05/22)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.	
Source: NCD, Mumbai.		
1. List of Oil Rigs is as follows:-		
Rig Name	Position	
Aban III	19° 24'.65N., 71° 13'.07E.	
Aban IV	19° 25'.26N., 71° 16'.84E.	
CE Thornton	19° 34'.75N., 71° 58'.98E.	
Compact Driller	21° 01'.91N., 72° 33'.25E.	
Discovery 1	18° 36'.10N., 71° 01'.60E.	
DS Fossil	18° 43'.09N., 72° 19'.12E.	
FG MC Clintok	18° 29'.41N., 72° 14'.73E.	
Foresight Driller IX	19° 10'.61N., 70° 57'.65E.	
Great Drill Chaaru	18° 46'.02N., 72° 17'.96E.	
Great Drill Chetna	20° 21'.98N., 72° 15'.83E.	
Great Drill Chaaya	19° 08'.75N., 72° 07'.01E.	
Great Drill Chitra	19° 32'.04N., 71° 19'.16E.	
Jindal Star	18° 01'.05N., 72° 22'.72E.	
Jindal Supreme	18° 14'.76N., 72° 21'.87E.	
JT Angel	19° 33'.08N., 71° 21'.27E.	
Parameswara	19° 24'.05N., 71° 19'.05E.	
Ron Tappmeyer	20° 08'.68N., 71° 44'.93E.	
Sagar Vijay	19° 02'.30N., 71° 23'.71E.	
Sagar Jyoti	19° 16'.06N., 71° 41'.91E.	
Sagar Kiran	19° 00'.71N., 71° 23'.46E.	
Sagar Ratna	20° 06'.42N., 72° 15'.79E.	
Sagar Shakti	19° 14'.01N., 71° 48'.97E.	
Sagar Udhay	20° 12'.85N., 71° 55'.22E.	
Trident 2	20° 22'.14N., 72° 12'.64E.	
Trident 12	18° 45'.23N., 72° 18'.00E.	
Valiant Driller	19° 34'.71N., 71° 23'.15E.	
Vivekananda 1	19° 11'.99N., 72° 11'.00E.	
Vivekananda 2	20° 21'.56N., 72° 01'.43E.	
Virtue 1	19° 26'.15N., 71° 18'.63E.	
Victory Driller	19° 18'.85N., 71° 24'.94E.	
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 060 (T)/22 is cancelled.		

*073 (T) (05/22)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.	
Source: BNHOC Notice no. 09 (T)/2022.		
Insert		22° 07'.84N., 91° 47'.60E.
Charts Affected – 31 (INT 756)		

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: - mrc-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. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>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, Perin Nariman 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's Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>M/s 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>

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 01 Mar 22: -

2021 SERIES - 017 147 286 340 387 392 447 463 478 479 480 544 550 604 629 633 658 690 728 756 759 761 771 775 795 800 833 843 846 880
2022 SERIES - 049 059 066 077 082 093 112 113 114 117 118 119 131 132 134 136 138 139 140 141 142 143 145 146 147 148 149 150

3. NAVAREA VIII Warnings issued during the period from 16 Feb 22 to 28 Feb 22 (both dates inclusive) are as tabulated below: –

<p>114. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. offshore runner and offshore supporter progressing survey in areas bounded by (A) 19-52.20N 070-45.83E, 19-51.88N 071-21.05E, 18-49.69N 071-23.15E, 19-06.37N 070-50.64E from 16 to 26 Feb 22 (B) 19-51.88N 071-21.05E, 19-50.76N 071-52.58E, 18-57.01N 071-53.76E, 18-53.93N 071-49.89E, 18-49.69N 071-23.15E from 27 to 01 Mar 22. Wide berth requested.</p> <p>2. Cancel this MSG 011830 UTC Mar 22.</p>
<p>115. India West Coast - off Bhatkal. Charts IN 22 216 257 294 2356 INT 7343. Firing scheduled on 21 Feb 22 from 0230 to 1130 UTC in danger area bounded within 13-55.3N to 14-05.3N and 074-14.1E to 074-24.2E. Wide berth from area advised.</p> <p>2. Cancel this MSG 211230 UTC Feb 22.</p>
<p>116. Cancel NAVAREA VIII MSG 630/20, 751/20, 420/21, 493/21, 540/21, 644/21, 688/21, 805/21, 078/22, 079/22, 080/22, 086/22, 091/22, 098/22, 100/22, 107/22 and this MSG. INTM 053, 055, 056, 057, 058, 060(T), 061(T), 063(T) of 04/22 and 194 of 21/21 refers.</p>
<p>117. Andaman Sea - Yangon River. Charts IN 41 BA 830 833 INT 757. (A) Kings bank wreck buoy laid 16-45.04N 096-12.20E. Wide berth of 100 meters from buoy advised (B) Shallow patch reported extending upto 500 meters east of additional upper western buoy. Vessels more than 04 meters draught to keep well clear.</p> <p>2. Cancel NAVAREA VIII MSG 442/20, 690/20.</p>
<p>118. India East Coast - Karaikal. Charts IN 357 3033 INT 7397. Rear leading LT (10-50.35N 079-50.58E) damaged and partially restored.</p> <p>2. Cancel NAVAREA VIII MSG 757/20.</p>
<p>119. India West Coast - Mumbai Port. Charts IN 21 255 2076 INT 7338. Capital dredging being progressed by cutter suction dredger artemis with support vessels in area bounded by 18-57.93N 072-55.06E, 18-57.93N 072-54.88E, 18-58.65N 072-55.02E, 18-58.46N 072-55.16E. Wide berth requested.</p> <p>2. Cancel this MSG 281830 UTC Jun 22.</p>
<p>120. India East Coast - Chennai. Charts IN 32 313 356 3001 INT 7402. Firing scheduled on 22 Feb 22 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.</p> <p>2. Cancel this MSG 221030 UTC Feb 22.</p>
<p>121. India west coast - Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 23 Feb 22 from 0530 to 0730 UTC in danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.75N 069-04.05E . Wide berth from area advised.</p> <p>2. Cancel this MSG 230830 UTC Feb 22</p>
<p>122. Gulf of Martaban - off Myanmar. Charts IN 41 BA 823 830 INT 757. MV-Hai Duong 68 will carry out survey from 22 to 28 Feb 22 in vicinity of 15-25.57N 095-13.67E, 15-24.74N 095-16.82E, 15-25.48N 095-04.13E, 15-25.98N 095-30.01E, 15-27.78N 096-21.35E. Wide berth of 2.2 NM requested.</p> <p>2. Cancel this MSG 281830 UTC Feb 22.</p>
<p>123. NAVAREA VIII - warnings in force as on 18 Feb 2022:- 2021 Series - 017 147 286 340 387 392 447 463 478 479 480 544 550 601 604 629 633 658 690 701 728 756 759 761 771 775 795 800 833 843 846 880 2022 Series - 049 059 063 065 066 071 072 073 077 082 083 090 093 101 103 104 105 112 113 114 115 117 118 119 120 121 122 (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</p>

123. Continued.
2. Cancel this MSG 251000 UTC Feb 22.
124. Cancel NAVAREA VIII MSG 090/22 and this MSG.
125. Cancel NAVAREA VIII MSG 701/21 and this MSG.
126. India East Coast - off Visakhapatnam. Charts IN 31 33 7706 INT 756. Subsurface Firing scheduled on 23 Feb 22 from 0330 to 1530 UTC in danger area bounded within 14-00N to 16-00N and 084-30E to 088-00E. Wide berth from area advised.
2. Cancel this MSG 231630 UTC Feb 22.
127. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. IAF exercise scheduled on 25, 26, 28 Feb 22 from 0430 to 0630 UTC and 0830 to 1030 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 281130 UTC Feb 22.
128. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 25 Feb 22 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 251230 UTC Feb 22.
129. Indian Ocean. Charts IN 33 7706 INT 754. Derelict Boat reported adrift in approximate position 05-39.3N 082-21E at 200630 UTC Feb 22.
2. Cancel this MSG 240630 UTC Feb 22.
130. India East Coast - off Balasore. Charts IN 31 351 352 3017 INT 756. Experimental flight trial scheduled on 24, 25 Feb 22 from 1330 to 1630 UTC in danger area bounded by 21-22.25N 086-55.73E, 21-08.93N 086-52.65E, 20-47.63N 087-13.43E, 18-24.83N 088-22.75E, 19-03.03N 089-21.47E, 20-55.17N 087-24.95E, 21-20.83N 087-10.8E, 21-22.68N 086-56.4E . Wide berth from area advised.
2. Cancel this MSG 251730 UTC Feb 22.
131. India West Coast. Charts IN 21 255 292 INT 7334. Rig Move. CE Thronton (19-34.75N 071-58.98E), Victory Driller (19-18.85N 071-24.94E), Parameswara (19-24.05N 071-19.05E). Refer to 060(T) OF INTM 04/22. Wide berth requested.
132. Bay of Bengal - off Myanmar. Charts IN 31 BA 817 INT 756. Ocean Monarch will carry out drilling from 25 Feb to 30 Jul 22 in area bounded by 19-28.52N 092-22.69E, 19-32N 092-32.78E, 19-22.62N 092-36.37E, 19-19.14N 092-26.35E. Wide berth of 2.2 NM requested.
2. Cancel this MSG 301830 UTC Jul 22.
133. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. Firing by CG aircraft scheduled on 27 Feb 22 from 0230 to 1130 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised.
2. Cancel this MSG 271230 UTC Feb 22.
134. India West Coast - Kavaratti and Minicoy I. Charts IN 273 2006 2023 INT 752. Mooring Buoys (10-33.46N 072-38.96E, 08-17.07N 073-04.14E) reported missing.
135. India West Coast - off Ponnani. Charts IN 22 220 259 294 INT 7356. Firing by CG aircraft scheduled on 28 Feb 22 from 0430 to 1030 UTC in danger area bounded within 10-20N to 10-50N and 075-00E to 075-35E. Wide berth from area advised.
2. Cancel this MSG 281130 UTC Feb 22.
136. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Seismic Survey being progressed by Sanco Star with node handling vessels Normand Tonjer & Olympic Taurus and support vessels in area bounded by 19-07.8N 071-32.5E, 19-31.7N 071-32.5E, 19-31.7N 072-09E, 19-11.2N 072-09E, 19-11.2N 071-57.1E, 19-07.8N 071-57E . Wide berth of 05 NM requested.
2. Cancel this MSG 261830 UTC Mar 22.
137. Cancel NAVAREA VIII MSG 130/22 and this MSG.
138. India West Coast - off Porbandar. Charts IN 21 204 252 292 INT 7325. Firing by CG Aircraft scheduled on 02, 04, 09, 11, 16 Mar 22 from 0200 to 0930 UTC in danger area bounded by 21-32N 069-24E, 21-12N 069-24E, 21-14N 069-05E, 21-32N 068-56E. Wide berth from area advised.
2. Cancel this MSG 161030 UTC Mar 22.
139. India West Coast - off Bhatkal. Charts IN 22 216 257 294 2356 INT 7343. Firing scheduled on 01, 02, 03, 04, 07 Mar 22 from 0230 to 1130 UTC in danger area bounded within 13-55.3N to 14-05.3N and 074-14.1E to 074-24.2E. Wide berth from area advised.
2. Cancel this MSG 071230 UTC Mar 22.
140. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army Air Defence Firing scheduled from 02 to 05 Mar, 07 to 12 Mar, 16 to 19 Mar, 22 to 24 Mar, 29 to 31 Mar 22 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.

<p>140. Continued. 2. Cancel this MSG 311530 UTC Mar 22.</p>
<p>141. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. GS Rashi will carry out pipeline survey in area bounded by 19-42.1N 071-10.47E, 19-41.73N 071-37.98E, 19-08.21N 071-37.44E, 19-08.57N 071-10.03E from 28 Feb to 20 Mar 22. Wide berth requested. 2. Cancel this MSG 201830 UTC Mar 22.</p>
<p>142. NAVAREA VIII - Warnings in force as on 25 Feb 2022:- 2021 Series - 017 147 286 340 387 392 447 463 478 479 480 544 550 604 629 633 658 690 728 756 759 761 771 775 795 800 833 843 846 880 2022 Series - 049 059 065 066 071 072 073 077 082 083 093 112 113 114 117 118 119 122 127 131 132 133 134 135 136 138 139 140 141 (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 041000 UTC Mar 22.</p>
<p>143. India West Coast. Charts IN 21 255 292 INT 7334. Rig Move. Sagar Jyoti (19-16.06N 071-41.91E). Refer to 060(T) of INTM 04/22. Wide berth requested.</p>
<p>144. India East Coast - Nagapattinam. Charts IN 357 3007 INT 7397. DGPS (10-45.95N 079-51.01E) Transmission off for maintenance.</p>
<p>145. Andaman Sea - off Port Blair. Charts IN 33 41 472 473 INT 757. Firing scheduled from 040230 to 061430 UTC Mar 22 in danger area bounded by 12-13N 093-20E, 12-08N 094-20E, 07-52N 094-06E, 07-57N 093-06E. Wide berth from area advised. 2. Cancel this MSG 061530 UTC Mar 22.</p>
<p>146. India East Coast - off Visakhapatnam. Charts IN 31 308 354 3002 INT 7409. Exercises by Naval Units scheduled in danger areas bounded by (A) 17-56.6N 083-49.6E, 17-46.1N 084-04.7E, 17-21.6N 083-46E, 17-32.3N 083-30.3E from 040230 to 040500 UTC Mar 22 (B) 17-46.4N 083-24E, 17-44.5N 083-26.2E, 17-40.6N 083-22.2E, 17-42.5N 083-20E from 040930 to 041230 UTC Mar 22. Wide berth from area advised. 2. Cancel this MSG 041330 UTC Mar 22.</p>
<p>147. India West Coast - off Mumbai. Charts IN 255 292 293 INT 7021. Offshore Runner and Offshore Supporter progressing survey in areas bounded by (A) 19-50.76N 071-52.58E, 19-42.37N 072-20.67E, 19-16.44N 072-23E, 18-54.58N 072-28.52E, 18-57.01N 071-53.76E from 02 to 04 Mar 22 (B) 18-28.55N 071-57.02E, 18-30.37N 072-26.77E, 17-59.28N 072-28.36E, 17-59.27N 071-58.09E from 05 to 12 Mar 22 (C) 21-05.64N 072-23.26E, 20-57.97N 072-43.98E, 20-25.92N 072-44.3E, 19-49.69N 072-24.83E, 19-57.88N 071-54.8E, 19-57.82N 071-31.86E, 20-52.4N 071-45.7E from 13 to 25 Mar 22. Wide berth requested. 2. Cancel this MSG 251830 UTC Mar 22.</p>
<p>148. Cancel NAVAREA VIII MSG 144/22 and this MSG.</p>
<p>149. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Deep Water route buoy Chandri (22-38.089N 069-08.592E) retrieved for maintenance.</p>
<p>150. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. CS Maram progressing cable repair in area bounded by 19-00.9N 071-06E, 19-00.33N 072-00.68E, 18-56.53N 072-01.17E, 18-55.52N 071-38.13E, 18-59.03N 071-38.03E, 18-58.83N 071-27.87E. Wide berth of 01 NM requested. 2. Cancel this MSG 151830 UTC Mar 22.</p>

SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West Coast of India Pilot (INP-1) Chapter - 7 (Page 266)

Article 7.120, delete and replace by:

KLL Terminal

Chart 2065,212

General information

7.120

1 **Position.** Konkan LNG Limited (KLL) Jetty lies in position (17° 31'.65 N, 73°08'.50 E), about 2 miles South of Tolleshwar Point.

2 **Function.** The principle activity of the terminal is LNG unloading and regasification.

3 **Topography.** The complete coastline is predominantly cliffy with some areas extremely steep. Two hill summits of about 100m height exists between Tolleshwar Point Light House and KLL terminal. The coastline on south of KLL Jetty is sandy beach. The foreshore area generally comprises of sand, mud, rocks and breakers.

4 **Port Authority.** Konkan LNG Limited, Dabhol, Post: Anjanwel, Taluka: Guhagar, Dist: Ratnagiri, Maharashtra – 415634.

Web: <http://konkanlng.in/>

(Page 267)

Article 7.123, para 1, line 4, delete and replace by:

(lateral). Four light beacons and two cardinal marks

Article 7.124, para 2, line 5, delete and replace by:

circle, 700 m in diameter, marked with two buoys and mooring

Article 7.125, para 1, delete and replace by:

1 **Berths.** A T-headed jetty with 12.8 m depth alongside and mooring dolphins, 400 m in length, connects to the shore through a causeway.

Article 7.126, para 1, delete and replace by:

1 **Services.** Medical, Firefighting, Garbage Disposal.
Facilities. Telephone, Internet, Hotels.

Chapter - 8 (Page 327)

Article 8.161, para 7, delete and replace by:

7 **Tugs.** 02 tugs of 40 & 50 ton BP are available for pilotage standby round the clock. The tugs are available on VHF CH channels 67. DHIL should be contacted to seek tug assistance.

Article 8.161, para 8, delete and replace by

8 **Port Radio.** DHIL can be contacted on VHF channel 16 /67 round the clock. Tugs are available on same channel. VTS Khambhat North maintains round the clock watch on MMB CH 69 /16.

Article 8.161, para 9, line 1 delete and replace by:

9 **Anchorage.** Good anchorage with Minimum depth 20m

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7371-068	JABAL AZ ZANNAH Remove from list; deleted						
D7371-069	Remove from list; deleted						
D7371-0695	- Mugharraq (Mughrag) Port. MP-05	24 10.87 N 52 34.13 E	FI Y 5s	Yellow post	..
*	*	*	*	*	*	*	*
D7758	PORT MUHAMMAD BIN QASIM - Ahsan Channel. No 3	24 34.70 N 67 04.09 E	FI(3)G 7s	10	4	Black metal pipe, green top with platform	Destroyed (T) 2021
D7760-09	- Ahsan Channel. Ldg Lts 032°26'. Front	24 37.98 N 67 06.27 E	Q W	12	11	Black metal pipe with platform	Rear D7761. Destroyed (T) 2021
D7761	- Ahsan Channel. Ldg Lts 032°26'. Rear. Surveyor Sand	24 39.44 N 67 07.29 E	Oc W	31	16	Black metal pipe	W029.9°-034.9°(5°). Front D7760-09. TE 2021
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
F1313	- Signal Station	05 53.60 N 95 18.79 E	Q R	..	12	Mast	..
F1313.8	- Ujung Teupinpineung	05 47.63 N 95 20.77 E	FI W 5s	9	7	White beacon	
F1326	Lhokseumawe. North-north-eastward	5 11.50 N 97 09.00 E	FI W 10s	30	12	White beacon 15	..
			*	*	*		

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

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

NIL

INP 31(2), 2019

(Last correction: Edition No. 01 dated 01 Jan 2022)

NIL

INP 31(5), 2017

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

NIL

INP 31(6), 2018

(Last correction: Edition No. 03 dated 01 Feb 2022)

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.

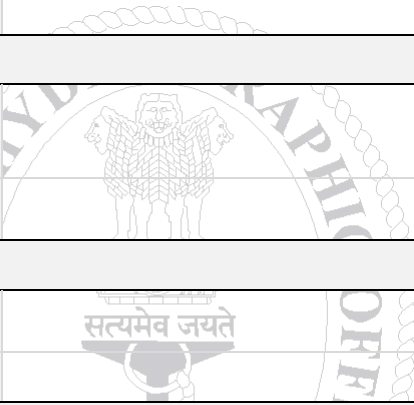
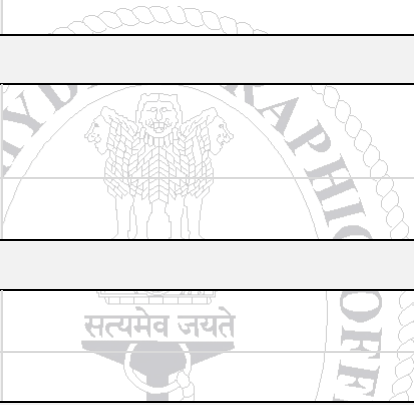
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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



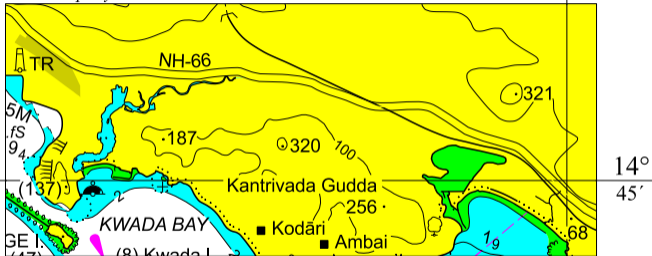
HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes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

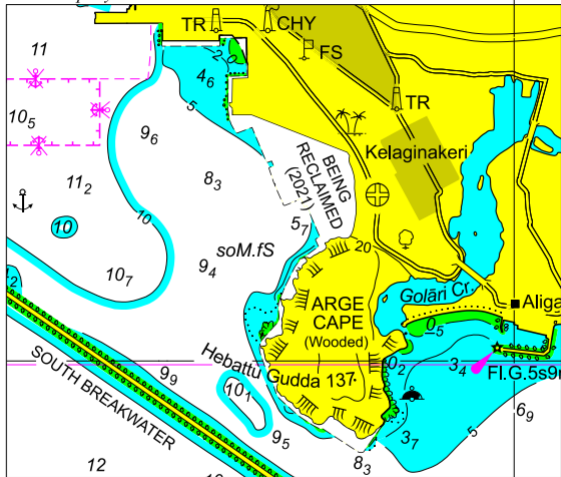
To accompany Indian Notices to Mariners No.066/2022



Block Correction for Chart No. 216

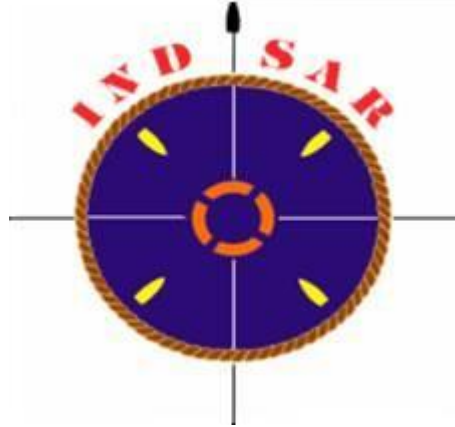
74°15'E

To accompany Indian Notices to Mariners No. 066/2022



Block Correction for Chart No. 2353

$74^{\circ}10'E$



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