



INDIAN NOTICES TO MARINERS



EDITION NO. 16 DATED 16 AUG 2021

(CONTAINS NOTICES 164 TO 169)

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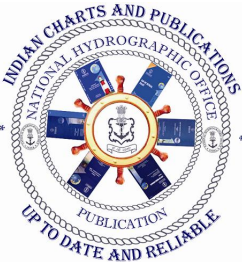
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www.hydrobharat.gov.in

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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 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 -			

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 The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

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

7. The forthcoming Indian Charts are as follows: -

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
357	POINT CALIMERE TO CHENNAI	3,00,000	NEW EDITION
2075	APPROACHES TO TUTICORIN	60,000	NEW EDITION
	TUTICORIN HARBOUR	25,000	NEW EDITION
2556	INNER APP. TO PORT VICTORIA	12,500	NEW CHART

VI

Availability of ENC's

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

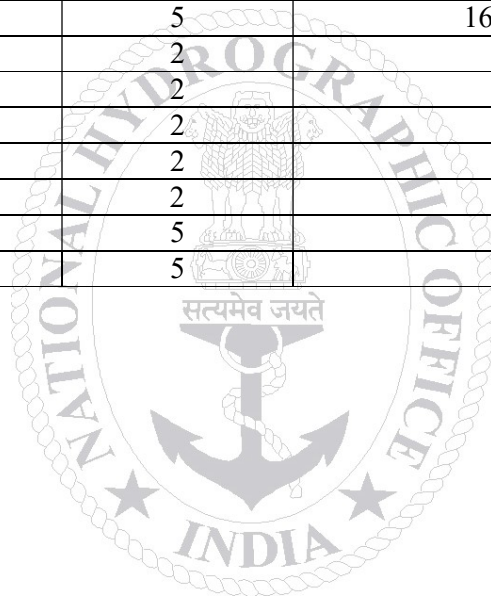
United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk	Navico Norway AS Elganeveien 1, 4370 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701,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



SECTION – I

The list of charts affected by the Notices 164 to 169 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	164
22(INT 752)	3	167
32(INT 754)	5	167,168
33(INT 755)	5	168
203 (INT 7319)	2	164,165
223	4	167
261(INT 7363)	4	167
262(INT 7365)	5	167
263(INT 7383)	5	167
308(INT 7409)	5	166
354(INT 7408)	5	166, 169(T)
355 (INT 7405)	5	169(T)
391	5	166,169(T)
2051(INT 7333)	2	164
2060	2	164
2068	2	164
2080	2	165
2083(INT 7339)	2	165
3030	5	166
3042	5	169(T)



SECTION – II**PERMANENT NOTICES**

***164 (16/21) INDIA – WEST COAST – Salaya Harbour – Wrecks.**

Source: INS Investigator.

Chart 21 [previous update 134/21]





Insert			22° 33'·91N., 69° 35'·33E.
Substitute		for	 22° 30'·23N., 69° 39'·78E.
Delete			22° 33'·92N., 69° 35'·39E.

Chart 203 (INT 7319) [previous update 141/21]



Insert			22° 33'·87N., 69° 35'·34E.
Substitute		for	 22° 30'·19N., 69° 39'·79E.
Delete			22° 33'·88N., 69° 35'·40E.

Chart 2068 [previous update 071/21]

Insert			22° 33'·91N., 69° 35'·33E.
Substitute		for	 22° 30'·23N., 69° 39'·78E.
Delete			22° 33'·92N., 69° 35'·39E.

Chart 2060 [previous update 071/21]





Insert			22° 33'·91N., 69° 35'·33E.
Substitute		for	 22° 30'·23N., 69° 39'·78E.
Delete			22° 33'·92N., 69° 35'·39E.

Chart 2060 (Plan) [previous update 071/21]



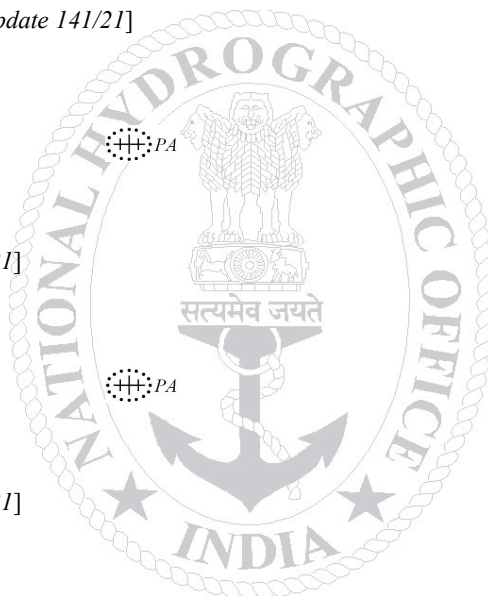
Substitute		for	 22° 30'·23N., 69° 39'·78E.
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Chart 2051 (INT 7333) [previous update 071/21]

Substitute		for	 22° 30'·23N., 69° 39'·78E.
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***165 (16/21) INDIA – WEST COAST – GULF OF KACHCHH – Approaches to Sikka – SPM and Fog Horn.**

Source: Bharat Oman Refineries Ltd.

Chart 203 (INT 7319) [previous update 164/21]

Substitute		BORL SPM Mo(U) 7s Horn Mo(U) 7s	for		BORL SPM	22° 33'·52N., 69° 45'·73E.
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Chart 2080 [previous update 078/20]

Substitute		BORL SPM Mo(U) 7s Horn Mo(U) 7s	for		BORL SPM	22° 33'·56N., 69° 45'·72E.
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Chart 2083 (INT 7339) [previous update 141/21]

Substitute		BORL SPM Mo(U) 7s Horn Mo(U) 7s	for		BORL SPM	22° 33'·56N., 69° 45'·72E.
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***166 (16/21) INDIA – EAST COAST – Approaches to Bhimunipatnam – Pillar, Water Tower and Microwave Tower.**

Source: INS Nirupak.

Chart 391 [previous update 092/21]

Delete						17° 53'·35N., 83° 26'·35E.
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Chart 354 (INT 7408) [previous update 092/21]

Delete						17° 53'·35N., 83° 26'·35E.
--------	---	--	--	--	--	----------------------------

Chart 308 (INT 7409) [previous update 078/21]

Delete						17° 53'·35N., 83° 26'·35E.
		(165)				17° 53'·45N., 83° 26'·64E.

Chart 3030 (Approaches to Bhimunipatnam) [previous update NC 15 Aug 2018]







Delete		MICROWAVE TR (50)				17° 53'·35N., 83° 26'·35E.
		WATER TR(165)				17° 53'·45N., 83° 26'·64E.
		Pillar (24)				17° 52'·38N., 83° 26'·61E.

Chart 3030 (Bhimunipatnam anchorage) [previous update NC 15 Aug 2018]

Delete		MICROWAVE TR (50)				17° 53'·35N., 83° 26'·35E.
		WATER TR(165)				17° 53'·45N., 83° 26'·64E.
		Pillar (24)				17° 52'·38N., 83° 26'·61E.

***167 (16/21) INDIA – WEST COAST – Eight Degree Channel to Kanniyakumari – Chart Title, Port Limit and legend.**

Source: Tamilnadu Maritime Board.

Chart 32 (INT 754) [previous update 159/21]

Substitute legend “Kanyakumari” for “Kanniyakumari” centered on; 08° 12′·00N., 077° 37′·00E

Chart 22 (INT 752) [previous update 162/21]

Substitute legend “Kanyakumari” for “Kanniyakumari” centered on; 08° 10′·00N., 077° 37′·00E

Chart 261 (INT 7363) [previous update NC 15 Jul 2021]

Amend read chart title as “EIGHT DEGREE CHANNEL TO KANYAKUMARI” for “EIGHT DEGREE CHANNEL TO KANNIYAKUMARI”, centered on;

Substitute legend “KANYAKUMARI” for “KANNIYAKUMARI”, centered on; 08° 03′·50N., 077° 30′·00E

legend “Kanyakumari” for “Kanniyakumari”, centered on; 08° 07′·00N., 077° 31′·80E

Chart 263 (INT 7383) [previous update 159/21]

Substitute legend “Kanyakumari” for “Kanniyakumari”, centered on; 08° 06′·40N., 077° 31′·50E

Chart 262 (INT 7365) [previous update 110/21]

Substitute legend “Kanyakumari” for “Kanniyakumari”, centered on; 08° 06′·00N., 077° 30′·80E

Chart 223 [previous update 032/21]

Insert port limit, -----, joining; 08° 08′·00N., 077° 34′·40E

08° 05′·50N., 077° 35′·00E

08° 04′·00N., 077° 35′·00E

08° 03′·60N., 077° 31′·60E

08° 04′·90N., 077° 31′·60E

legend, “Limit of Port of Kanyakumari”, centered on; 08° 03′·96N., 077° 33′·30E

Substitute legend “Kanyakumari” for “Kanniyakumari” centered on; 08° 05′·80N., 077° 32′·10E

legend “KANYAKUMARI” for “KANNIYAKUMARI” centered on; 08° 04′·00N., 077° 32′·20E

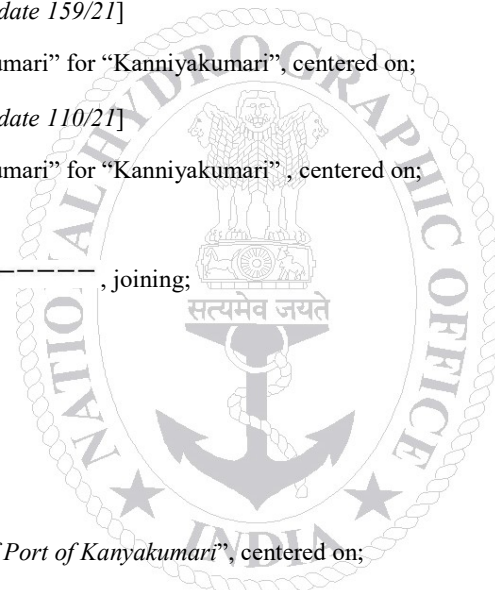
Delete port limit, -----, joining; 08° 05′·50N., 077° 35′·00E

08° 04′·00N., 077° 35′·00E

08° 04′·00N., 077° 33′·00E

08° 05′·50N., 077° 33′·00E

legend, “Port of Kanyakumari”, centered on; 08° 04′·10N., 077° 33′·90E



***168 (16/21) INDIAN OCEAN – Bay of Bengal – Southern Portion – Wreck.**

Source: MRCC Chennai.

Chart 33 (INT 755) [previous update 136/21]Insert  PA

11° 52′·87N., 083° 56′·30E.

Chart 32 (INT 754) [previous update 167/21]Insert  PA

11° 52′·87N., 083° 56′·30E.



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

***169 (T) (16/21) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

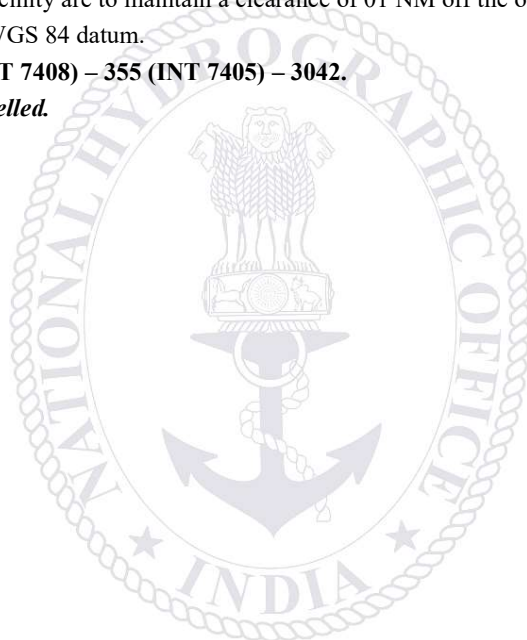
Rig Name	Position
Aban II	16° 40'·40N., 82° 24'·29E.
DDKG 1	16° 32'·19N., 82° 33'·72E.
DS Fortune	16° 20'·50N., 81° 59'·37E.
SSV Louisiana	16° 08'·60N., 82° 18'·40E.
Olinda Star	16° 25'·18N., 82° 24'·15E.
Platinum Explorer	15° 05'·92N., 82° 06'·44E.

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

3. All positions referred to WGS 84 datum.

Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405) – 3042.

Former INTM 153(T)/21 is cancelled.



SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Bangladesh (Kuakata)	- Operational

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

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crews using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - 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/ IRIIDIUM AND SATELLITE PHONE**

- (a) The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.
- (b) Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in Pre Arrival Notification on Security (PANS).
- (c) The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. **CAUTIONARY NOTE**

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

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

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

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

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtuments 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@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<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 16 Aug 21:-

2020 SERIES - 333 384 442 515 593 630 690 691 751 757

2021 SERIES - 017 147 205 286 340 361 387 392 411 420 433 434 447 459 463 478 479 480 491
493 494 500 503 515 528 540 544 549 550 565 569 570 576 577 593 594

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

570. India East Coast – off Gopalpur . Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled from 02 to 05 Aug, 11 to 14 Aug, 16 to 18 Aug, 25 to 28 Aug 21 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 41 NM radius joining point B and C . Wide berth from area advised.

2. Cancel this MSG 281530 UTC Aug 21.

571. Bay of Bengal – off Andaman Islands. Charts IN 33 7706 INT 706. Firing scheduled from 031000 to 031800 UTC Aug 21 in danger area bounded within 13-10N to 13-52N and 088-20E to 090-00E . Wide berth from area advised

2. Cancel this MSG 031900 UTC Aug 21.

572. Bay of Bengal – off Andaman Islands. Charts IN 33 7706 INT 706. Firing scheduled from 030430 to 031230 UTC Aug 21 in danger area bounded within 13-10N to 13-52N and 088-20E to 090-00E. Wide berth from area advised.

2. Cancel NAVAREA VIII MSG 571/21 and this MSG 031330 UTC Aug 21.

573. Southern Indian Ocean. Charts IN 7070 7073 INT 70. Space debris predicted 300 NM on either side of centreline joining 22-38S 080-46.5E, 28-22S 086-26.5E, 31-55.5S 090-17.5E, 35-37S 094-58.5E, 39-05.5S 100-15.5E, 42-48S 107-38E, 44-56.5S 112-23.5E, 46-19.5S 115-12E, 48-22S 121-26E, 49-25S 125-43E, 50-13.5S 129-28.5E, 51-28S 138-11E, 52-07.5S 144-28E, 52-25S 150-05E, 52-22S 153-24.5E from 031759 to 071719 UTC Aug 21.

2. Cancel this MSG 071820 UTC Aug 21.

574. Andaman sea – off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 05, 06 Aug 21 from 0330 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.

2. Cancel this MSG 061030 UTC Aug 21.

575. Arabian sea. Charts IN 21 292 INT 7021. Buoy AD06 reported adrift 18-19.73N 069-04.61E on 01 Aug 21.

2. Cancel this MSG 051000 UTC Aug 21.

576. India West Coast - Malpe . Charts IN 22 217 258 294 2358 INT 7348 . LT (13- 20.65N 074-41.09E) unlit.

577. India East Coast. Charts IN 31 355 391 INT 7405. Rig move. Olinda Star (16-25.18N 082-24.15E), Deep Driller 8 demobilised. Refer to 153(T) of INTM 14/21. Wide berth requested.

578. Indian Ocean – Cocos Basin . Charts IN 7071 7707 INT 707 . Rocket launch scheduled from 030739 to 030839 UTC Aug 21 . Danger area bounded by 00-46.83N 091-28.15E, 00-51.9N 091-01.63E, 01-45.28N 091-11.7E, 01-40.21N 091-38.21E . Wide berth from area advised.

2. Cancel this MSG 030940 UTC Aug 21.

579. Southern Indian Ocean. Charts IN 7070 7073 INT 70. Space debris predicted 200 NM on either side of centreline joining 22-38S 080-46.5E, 28-22S 086-26.5E, 31-55.5S 090-17.5E, 35-37S 094-58.5E, 39-05.5S 100-15.5E, 42-48S 107-38E, 44-56.5S 112-23.5E, 46-19.5S 115-12E, 48-22S 121-26E, 49-25S 125-43E, 50-13.5S 129-28.5E, 51-28S 138-11E, 52-07.5S 144-28E, 52-25S 150-05E, 52-22S 153-24.5E on (A) 04 Aug 21 from 1736 to 1829 UTC (B) 07 Aug 21 from 1626 to 1719 UTC (C) 08 Aug 21 from 1603 to 1656 UTC

2. Cancel NAVAREA VIII MSG 573/21 and this MSG 081800 UTC Aug 21.

580. Indian Ocean – Cocos Basin. Charts IN 7071 7707 INT 707. Unidentified submerged object resembling yacht reported adrift 00-23N 090-44E at 050400 UTC Aug 21. Vessels transiting to exercise caution.

2. Cancel this MSG 080400 UTC Aug 21.

581. Indian Ocean – off Reunion. Charts IN 7702 BA 712 INT 702. Gunnery exercise scheduled from 090800 to 091400 UTC Aug 21 in danger area bounded by 21-12S 054-57E, 21-26S 055-02.3E, 21-39.02S 054-33.3E, 21-19.3S 054-25.54E. Wide berth from area advised.

2. Cancel this MSG 091500 UTC Aug 21.

582. NAVAREA VIII - warnings in force as on 06 Aug 2021:-

2020 Series - 333 384 442 515 593 630 690 691 751 757

<p>582. Continued. 2021 Series - 017 147 170 205 286 340 361 387 392 411 420 433 434 447 459 463 465 478 479 480 491 493 494 500 503 515 528 540 544 549 550 565 566 569 570 576 577 579 580 581 (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 131000 UTC Aug 21.</p>
<p>583. India East Coast – off Balasore. Charts IN 31 351 352 3017 INT 756. Experimental flight trials scheduled on 11, 12 Aug 21 from 0330 to 0730 UTC in danger area bounded by 21-33.78N 087-16.87E, 21-24.95N 086-58.42E, 21-19.7N 086-53.6E, 21-09.77N 086-48.83E, 20-57.35N 086-54.47E, 20-46.92N 087-08.03E, 20-38.67N 087-08.17E, 19-53.48N 086-25.58E, 19-30.97N 086-43.27E, 20-51.13N 088-05.37E. Wide berth from area advised. 2. Cancel this MSG 120830 UTC Aug 21.</p>
<p>584. India West Coast – off Porbandar . Charts IN 202 204 205 252 271 291 292 INT 7325. IAF firing from kathiawar range scheduled on 09 Aug 21 from 0830 to 1030 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E. Wide berth from area advised. 2. Cancel this MSG 091130 UTC Aug 21.</p>
<p>585. Bay of Bengal and Andaman Sea. Charts IN 32 33 41 313 356 391 7706 INT 706. GSLV-F10 launch scheduled 112200 to 120230 UTC Aug 21 from 13-43.2N 080-13.8E 2. Danger zone as follows:- Zone-1: Circle of 10 NM around launcher Zone-2: 12-05N 084-50E, 12-50N 085-00E, 12-20N 086-20E, 11-35N 086-10E Zone-3: 10-55N 088-35E, 11-40N 088-45E, 11-05N 090-30E, 10-25N 090-20E Zone-4: 08-10N 095-10E, 09-35N 095-10E, 09-35N 096-05E, 08-10N 096-05E 3. Wide Berth from area advised. 4. Cancel this MSG 120330 UTC Aug 21.</p>
<p>586. India West Coast – off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from thumba (08-31.98N 076-52.05E) scheduled on 11 Aug 21 from 0530 to 0700 UTC. Danger sector (A) Radius of 05 NM between azimuth 190 and 300 (B) Radii of 45 NM and 75 NM between azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 110800 UTC Aug 21.</p>
<p>587. India East Coast – off Chennai. Charts IN 32 313 356 357 391 INT 7400. Firing by CG aircraft scheduled on 12, 13 Aug 21 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised. 2. Cancel this MSG 131230 UTC Aug 21.</p>
<p>588. Andaman Sea – off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 12, 13 Aug 21 from 0330 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 131030 UTC Aug 21.</p>
<p>589. India West Coast – off Porbandar. Charts IN 202 204 205 252 271 291 292 INT 7325. IAF firing from kathiawar range scheduled on 10, 11, 12 Aug 21 from 0330 to 1030 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E. Wide berth from area advised. 2. Cancel this MSG 121130 UTC Aug 21.</p>
<p>590. Cancel NAVAREA VIII MSG 170/21, 583/21, 589/21 and this MSG.</p>
<p>591. Cancel NAVAREA VIII MSG 465/21 and this MSG.</p>
<p>592. Arabian Sea – off Maldives. Chart IN 7072 INT 72. Capsized boat Raya reported adrift 03-45N 073-17E at 110948 UTC Aug 21. 2. Cancel this MSG 140948 UTC Aug 21.</p>
<p>593. Southern Indian Ocean. Charts IN 7070 7073 INT 70. Space debris predicted 30 NM on either side of centreline joining 15-05.5S 091-10E, 30-42.5S 087-49.5E from 17 Aug to 16 Sep 21 from 0357 to 0514 UTC. 2. Cancel this MSG 160614 UTC Sep 21.</p>
<p>594. NAVAREA VIII - warnings in force as on 13 Aug 2021:- 2020 Series - 333 384 442 515 593 630 690 691 751 757 2021 Series - 017 147 205 286 340 361 387 392 411 420 433 434 447 459 463 478 479 480 491 493 494 500 503 515 528 540 544 549 550 565 569 570 576 577 592 593 (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 201000 UTC Aug 21.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
F0430	- Simar Anchorage. Simar	20 46.52 N 71 09.12 E	Fl W 10s	34	7	White framework tower, <i>fl 1</i> red bands 30	TE 2021

*

SECTION – VIII

CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 15 dated 01 Aug 2021)

NIL

INP 31(2), 2019

(Last correction: Edition No. 15 dated 01 Aug 2021)

NIL

INP 31(5), 2017

(Last correction: Edition No. 14 dated 16 Jul 2021)

NIL

INP 31(6), 2018

(Last correction: Edition No. 14 dated 16 Jul 2021)

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.

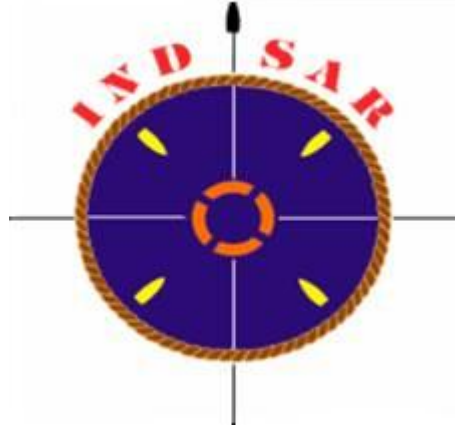


HYDROGRAPHIC NOTE		IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues			
Date		Ref. Number	
Name of the Ship or Sender			
Address			
Tel/FAX/E-mail address			
Observation Date		Time (UTC/IST)	
Object of Changes Observed (Tick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



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