



INDIAN NOTICES TO MARINERS



EDITION NO. 05 DATED 01 MAR 2018

(CONTAINS NOTICES 064 TO 069)

REACH US 24 x 7



incho@navy.gov.in
msis-incho@navy.gov.in



+91-135-2748373



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



Joint Director of Hydrography
Maritime Safety Information Services
+91- 135 - 2746290-117

www.hydrobharat.gov.in

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

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
220	TANUR NAGARAM TO MANAKKODAM	1,50,000	New Chart
221	ALLEPPEY TO QUILON	1,50,000	New Chart
351 (INT 7419)	PARADIP TO PUSSUR RIVER	3,00,000	New Chart
2043	APPROACHES TO VENGURLA AND REDI	60,000	New Chart
3006 (INT 7423)	HUGLI RIVER;		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3009 (INT 7407)	KAKINADA PORT	10,000	New Chart
	KAKINADA ANCHORAGE	25,000	
3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	75,000	New Chart
4107	INTERVIEW ISLAND	25000	New Chart
4173	KATCHALL ISLAND (WESTERN PORTION)	25,000	New Chart

Availability of ENC'S

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

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	C-MAP Norway AS Nyaskaiveien 2, 4379 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 064 to 069 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
211	3	064
212	3	064, 069(P)
256 (INT 7340)	3	064
288	1	068
292 (INT 7021)	2	064
293 (INT 7022)	3	064
2011	3	069(P)
2105	3	069(P)
3005	5	065
4019	7	066, 067












SECTION – II**PERMANENT NOTICES*****064 (05/18) INDIA – WEST COAST – Murud-Janjira Hr to Ratnagiri – Depth.**

Source: NHO, Dehradun.

Chart 293 (INT 7022) [previous update 059/18]Replace depth “4₂” with depth “2₇” 18° 12′.53N., 72° 55′.14E.**Chart 292 (INT 7021) [previous update 059/18]**Replace depth “4₂” with depth “2₇” 18° 12′.53N., 72° 55′.14E.**Chart 256 (INT 7340) [previous update 059/18]**Replace depth “4₂” with depth “2₇” 18° 12′.48N., 72° 55′.18E.**Chart 211 [previous update 059/18]**Replace depth “4” with depth “2₇” 18° 12′.53N., 72° 55′.14E.**Chart 212 [previous update 127/17]**Replace depth “4₂” with depth “2₇” 18° 12′.48N., 72° 55′.18E.***065 (05/18) INDIA – EAST COAST – Gopalpur Ports – Buoys and Leading Light.**

Source: Gopalpur Port.

Chart 3005 [previous update NC 15 Jun 2015]

Insert	 Fairway Fl.5s	19° 17′.69N., 84° 59′.86E.
	 Fl.G.5s No 1	19° 17′.65N., 84° 58′.91E.
	 Fl.R.5s No 2	19° 17′.23N., 84° 58′.98E.
	 Fl.G.5s No 3	19° 17′.57N., 84° 58′.28E.
	 Fl.R.5s No 4	19° 17′.26N., 84° 58′.34E.
	 Fl.G.5s No 5	19° 17′.49N., 84° 57′.72E.
	 Fl.R.5s No 6	19° 17′.26N., 84° 57′.98E.
	 Qk.Fl.2s21m20M	(a) 19° 17′.27N., 84° 56′.66E.
	 Qk.Fl.0.5s12m20M	(b) 19° 17′.28N., 84° 56′.78E.

***065 (05/18) INDIA – EAST COAST – Gopalpur Ports – Buoys and Leading Light. (Continued).**

Leading line, pecked line, joining:

(a) above

(b) above

(c) 19° 17′.39N., 84° 57′.60E.

Leading line, firm line, Joining:

(c) above

19° 17′.62N., 84° 59′.33E.

Legend “2 Lts ≠ 262°” centered on:

19° 17′.60N., 84° 58′.94E.

***066 (05/18) ANDAMAN SEA – BURMA – Gulf of Martaban – Rangoon River and Approaches – Shoal.**

Source: Myanmar Notice 04/18.

Chart 4019 [previous update 166/17]

Insert



16° 40′.13N., 96° 14′.25E.

***067 (05/18) ANDAMAN SEA – BURMA – Gulf of Martaban – Rangoon River and Approaches – Buoy.**

Source: Myanmar Notice 05/18.

Chart 4019 [previous update 066/18]

Insert



16° 40′.07N., 96° 14′.60E.

***068 (05/18) QATAR TO SHATT AL ARAB – Buoy.**

Source: BA Notice No. 5727/17.

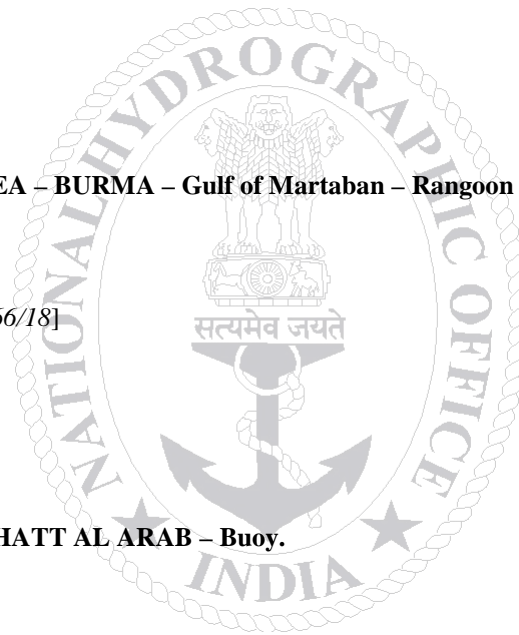
Chart 288 [previous update 040/18]

Insert



FL.Y.5s ODAS

28° 49′.90N., 50° 43′.90E.



SECTION – III**TEMPORARY AND PRELIMINARY NOTICES**

***069 (P) (05/18) INDIA – WEST COAST – Jaigarh and Angre Ports – Construction work.**

Source: Jaigarh Port Limited.

1. Construction work is in progress in the following areas :

Area I		Area II	
Sl. No.	Position	Sl. No.	Position
(a)	17° 18′.60N., 73° 11′.67E.	(a)	17° 18′.31N., 73° 12′.10E.
(b)	17° 18′.57N., 73° 11′.85E.	(b)	17° 18′.40N., 73° 11′.95E.
(c)	17° 18′.45N., 73° 11′.83E.	(c)	17° 18′.37N., 73° 11′.93E.
(d)	17° 18′.49N., 73° 11′.65E.	(d)	17° 18′.28N., 73° 12′.085E.

2. Mariners are advised to navigate with caution in the area and contact port authority for latest information.

Charts affected – 212 – 2011 – 2105.



SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

Mauritius (Cassis) - Operational

Seychelles (Mahe)-Operational

Following new Navtex stations along the Indian coast are operating on trial basis:-

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)	Vengrula 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)	Balasure	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 crew 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: - indsar@vsnl.net, or icgmrc_mumbai@mtnl.net. 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 for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008(16th July 2008).

(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) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

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/ IRRIDUM AND SATELLITE PHONE

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. CAUTIONARY NOTE

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

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>E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, ChinnaNeelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</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 Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gmail.com mahalakshmitravels@hotmail.com</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 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>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@gmiiindia.in Web: www.gmiiindia.in</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>L. R. Marine Services 301, 3rd Floor, Biryas 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 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>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 sanjeev.sharma@iictechnologies.com Web: www.iictechnologies.com</p>

SECTION – V**NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 28 Feb18:

2016 SERIES – 723
2017 SERIES – 305 345 394 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909
2018 SERIES – 028 047 049 056 095 115 120 128 142 145 147 153 160 162 163 164 165 168 169 170 171 172 173 174 175 176 177

3. NAVAREA VIII Warnings issued during the period from 16 Feb 18 to 28 Feb 18 (both dates inclusive) are as tabulated below:–

137. India East Coast - N Bay Of Bengal. Charts 31 INT 71. Green buoy reported adrift 18-12N 088-22E at 150500 UTC Feb 18. 2. Cancel this MSG 180500 UTC Feb 18.
138. India East Coast- Vishakhapatnam. Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 21 Feb 18 from 0001 - 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E 2. Cancel this MSG 210230 UTC Feb 18.
139. India West Coast - off Trivandrum. Charts 22 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 21 Feb 18 From 0530-0730 UTC. 2. Danger sector (A) Radius of 05 NM from Thumba between azimuth 190 and 300. (B) Radii of 45 and 75 NM from Thumba between azimuth 220 and 260. 3. Cancel this MSG 210830 UTC Feb 18.
140. India East Coast – Bay of Bengal. Charts 31 351 352 INT 71. Experimental Flight Trial scheduled from ITR from 200230-200630, 220230-220430, 221400-221600 UTC Feb 18 in danger zone bounded by 21-22.31N 086-55.75E, 21-09.29N 086-51.46E, 18-12.34N 086-07.14E, 07-12.92N 086-23.06E, 07-31.37N 090-07.15E, 18-47.52N 089-11.71E, 21-19.66N 087-10.63E, 21-22.69N 086-56.45E. 2. Cancel this MSG 221700 UTC Feb 18.
141. India East Coast – off Balasore. Charts 31 351 352 INT 71. Experimental Flight Trial scheduled from ITR on 21 Feb 18 from 1330 - 1730 UTC in danger zone bounded by 21-22.31N 086-55.75E, 21-09.29N 086-51.46E, 20-46.37N 087-10.19E, 18-13.33N 088-08.14E, 18-47.52N 089-11.71E, 20-52.93N 087-22.34E, 21-19.66N 087-10.63E, 21-22.69N 086-56.45E. 2. Cancel this MSG 211830 UTC Feb 18.
142. India East Coast - off Vadarevu Port. Charts 32 355 INT 71. OSV Coastal Triumph progressing geotech survey in area bounded by 15-26.45 080-30.14E, 15-28.61N 080-32.7E, 15-22.35N 080-38.6E, 15-20.33N 080-36.07E. Wide berth requested. 2. Cancel this MSG 011830 UTC Apr 18.
143. India West Coast. Charts 251 254 255 292 INT 71. Rig list:- ABAN ICE 19-39.99N 071-35.74E ABAN III 18-16.38N 072-22.82E ABAN IV 18-43.45N 072-20.32E ACTINIA 19-19.57N 071-01.61E CE THORNTON 18-29.86N 072-15.00E DEEP DRILLER 4 21-03.93N 072-31.62E DEEP SEA FORTUNE 19-14.25N 072-06.45E DEEP SEA FOSSIL 19-18.12N 071-30.38E DYNAMIC VISION 19-11.05N 072-11.21E FG MCCLINTOCK 18-45.65N 072-19.22E GALVESTON KEY 20-37.78N 072-04.07E GREAT DRILL CHAAYA 19-15.20N 072-02.16E GREAT DRILL CHARU 19-38.24N 071-00.92E GREAT DRILL CHETNA 19-12.91N 071-01.06E GREAT DRILL CHITRA 19-22.58N 071-00.85E HARVEY H WARD 20-07.43N 071-58.07E NEW JINDAL STAR 18-36.13N 071-01.60E JINDAL SUPREME 19-41.90N 072-19.83E NEW NOBLE ED HOLT 20-11.53N 071-52.25E PARAGON L786 18-34.48N 072-16.77E PARAGON M 1161 19-36.62N 071-20.67E PARAMESWARA 20-13.10N 071-49.00E

143. Continued.	
SAGAR GAURAV	22-26.27N 068-34.43E
SAGAR JYOTI	19-21.09N 071-14.64E
SAGAR KIRAN	19-07.35N 072-06.45E
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E
VALIANT DRILLER	19-39.80N 071-17.59E
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 123.
144. NAVAREA VIII warnings in force as on 16 Feb 18:-	
2016 SERIES	- 723
2017 SERIES	- 305 345 394 414 486 493 529 635 685 697 710 723 762 814 829 836 866
	872 876 909 944
2018 SERIES	- 028 047 049 056 057 072 085 089 094 095 101 110 115 117 120 122 127
	128 131 132 133 134 135 136 137 138 139 140 141 142 143
(A)	NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.
(B)	Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in .
2.	Cancel this MSG 231000 UTC Feb 18.
145. India West Coast - off Diu.	Charts 206 253 292 INT 71. Fishing boat Kashi Prasad reported sunk in vicinity of 20-21N 071-00E.
146. India East Coast – off Paradip.	Charts 31 351 352 353 INT 71. Experimental Flight Trial scheduled from ITR on 23 and 24 Feb 18 from 0300 - 0700 UTC in danger zone bounded by 18-11.47N 085-47.17E, 18-40.21N 089-17.82E, 20-18.34N 088-42.27E, 18-34.14N 085-38.51E.
2.	Cancel this MSG 240800 UTC Feb 18.
147. India West Coast– Porbander.	Charts 2040 INT 71. DGPS (21-37N 069-37E) off.
148. Cancel NAVAREA VIII MSG 414 486/17 and this MSG. INTM 056 057 refers.	
149. Cancel NAVAREA VIII MSG 117 and this MSG.	
150. India East Coast- Chennai.	Charts 32 313 3001 INT 71. Firing by Naval Coast Battery scheduled on 23 Feb 18 from 0530 - 0730 UTC.
2.	Danger sector extending upto 11 NM between bearing 045 and 075 from 13-07.02N 080-18.01E.
3.	Cancel this MSG 230830 UTC Feb 18.
151. India East Coast – off Paradip.	Charts 31 351 352 353 INT 71. Experimental Flight Trial scheduled from ITR on 23 and 24 Feb 18 from 0500 - 0800 UTC in danger zone bounded by 18-11.47N 085-47.17E, 18-40.21N 089-17.82E, 20-18.34N 088-42.27E, 18-34.14N 085-38.51E.
2.	Cancel NAVAREA VIII MSG 146 and this MSG 240900 UTC Feb 18.
152. India East Coast – Bay of Bengal.	Charts 31 351 352 INT 71. Experimental Flight Trial scheduled from ITR on 22 Feb 18 from 0230-0430 and 1400-1600 UTC in danger zone bounded by 21-22.31N 086-55.75E, 21-09.29N 086-51.46E, 18-12.34N 086-07.14E, 07-12.92N 086-23.06E, 07-31.37N 090-07.15E, 18-47.52N 089-11.71E, 21-19.66N 087-10.63E, 21-22.69N 086-56.45E.
2.	Cancel NAVAREA VIII MSG 140 and this MSG 221700 UTC Feb 18.
153. India West Coast – off Mumbai.	Charts 22 211 INT 71. Uttan DGPS (19-17N 072-47E) off.
154. Cancel NAVAREA VIII MSG 072 and this MSG.	
155. India West Coast – off Tapti ODA.	Charts 21 210 254 292 INT 71. Firing by CG Aircraft scheduled on 26 and 27 Feb 18 from 0330-1130 UTC in danger area bounded by 20-13N 071-59E, 20-13N 072-08E, 20-06N 072-07E, 20-06N 071-58E.
2.	Cancel this MSG 271230 UTC Feb 18.
156. India West Coast – off Malpe.	Charts 21 217 258 INT 71. INS Makar progressing hydrographic survey in area bounded within 13-01N to 13-09.5N and 074-35.5E to 074-46.2E. Wide berth of 03 NM requested.
2.	Cancel this MSG 281830 UTC Feb 18.
157. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-	
ABAN ICE	19-13.88N 071-02.41E NEW
ABAN III	18-16.38N 072-22.82E
ABAN IV	18-43.45N 072-20.32E
ACTINIA	19-19.57N 071-01.61E
CE THORNTON	18-29.86N 072-15.00E
DEEP DRILLER 4	21-03.93N 072-31.62E
DEEP SEA FORTUNE	19-14.25N 072-06.45E
DEEP SEA FOSSIL	19-18.12N 071-30.38E

157. Continued.	
DYNAMIC VISION	19-11.05N 072-11.21E
FG MCCLINTOCK	18-45.65N 072-19.22E
GALVESTON KEY	20-37.78N 072-04.07E
GREAT DRILL CHAAYA	19-15.20N 072-02.16E
GREAT DRILL CHAARU	19-10.81N 072-07.03E NEW
GREAT DRILL CHETNA	19-12.91N 071-01.06E
GREAT DRILL CHITRA	19-22.58N 071-00.85E
HARVEY H WARD	20-07.43N 071-58.07E
JINDAL STAR	18-36.13N 071-01.60E
JINDAL SUPREME	19-41.90N 072-19.83E
NOBLE ED HOLT	20-11.53N 071-52.25E
PARAGON L786	18-34.48N 072-16.77E
PARAGON M 1161	19-36.62N 071-20.67E
PARAMESWARA	20-13.10N 071-49.00E
SAGAR GAURAV	22-26.27N 068-34.43E
SAGAR JYOTI	19-04.70N 071-54.11E NEW
SAGAR KIRAN	19-07.35N 072-06.45E
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E
VALIANT DRILLER	19-39.80N 071-17.59E
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 143 .
158. Central Arabian Sea.	Chart INT 71. Large mooring buoy reported adrift 10-50.1N 066-05E at 221105 UTC Feb 18.
2.	Cancel this MSG 251105 UTC Feb 18.
159. NW Indian Ocean – off Somalia.	Chart INT 71. Vessel reported attacked at 222100 UTC Feb 18 in 03-26N 050-27E. Vessels advised to keep clear of area and exercise caution.
2.	Cancel this MSG 292100 UTC Feb 18.
160. India East Coast - Sagar I.	Charts 31 301 3011 INT 71. DGPS (21-39N 088-03E) off from 260030 UTC Feb 18.
161. Cancel NAVAREA VIII MSG 944/17 151/18 and this MSG.	
162. NAVAREA VIII warnings in force as on 23 Feb 18:-	
	2016 SERIES - 723
	2017 SERIES – 305 345 394 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909
	2018 SERIES - 028 047 049 056 057 085 089 094 095 101 110 115 120 122 127 128 136 142 145 147 153 155 156 157 158 159 160 161
	(A) NAVAREA VIII WARNINGS less than 42 days promulgated via SafetyNet.
	(B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in .
2.	Cancel this MSG 011000 UTC Mar 18.
163. NW Indian Ocean – off Somalia.	Chart INT 71. Vessel reported attacked at 222100 UTC Feb 18 IN 03-26N 050-27E. Vessels advised to keep clear of area and exercise caution.
2.	Cancel NAVAREA VIII MSG 159 and this MSG 012100 UTC Mar 18.
164. India East Coast – off Gopalpur.	Charts 31 352 353 3005 INT 71. Army Air Defence firing and BPTA flight scheduled daily from 01-06, 08-10, 12-14, 20-22, 29-31 Mar 18 from 0130-1130 and 1230-1430 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 40 NM radius joining point B and C.
2.	Cancel this MSG 311530 UTC Mar 18.
165. India West Coast – Kochi.	Charts 22 220 260 2029 INT 71. Firing by Navy scheduled on:-
	DATE TIME (UTC)
	02 MAR 18 0900-1200 AND 1230-1430
	06 MAR 0900-1200
	09 MAR 0900-1200 AND 1230-1430
	13 MAR 0900-1200
	16 MAR 0900-1200 AND 1230-1430
	20 MAR 0900-1200
	23 MAR 0900-1200 AND 1230-1430
	27 MAR 0900-1200
	30 MAR 0900-1200 AND 1230-1430
2.	Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E.
3.	Cancel this MSG 301530 UTC Mar 18.

166. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-	
ABAN ICE	19-13.88N 071-02.41E
ABAN III	18-16.38N 072-22.82E
ABAN IV	18-43.45N 072-20.32E
ACTINIA	19-19.57N 071-01.61E
CE THORNTON	18-29.86N 072-15.00E
DEEP DRILLER 4	21-03.93N 072-31.62E
DEEP SEA FORTUNE	19-14.25N 072-06.45E
DEEP SEA FOSSIL	19-18.12N 071-30.38E
DYNAMIC VISION	19-11.05N 072-11.21E
FG MCCLINTOCK	18-45.65N 072-19.22E
GALVESTON KEY	20-37.78N 072-04.07E
GREAT DRILL CHAAYA	19-15.20N 072-02.16E
GREAT DRILL CHAARU	19-10.81N 072-07.03E
GREAT DRILL CHETNA	19-12.91N 071-01.06E
GREAT DRILL CHITRA	19-22.58N 071-00.85E
HARVEY H WARD	20-07.43N 071-58.07E
JINDAL STAR	19-05.33N 072-06.88E NEW
JINDAL SUPREME	19-41.90N 072-19.83E
NOBLE ED HOLT	20-11.53N 071-52.25E
PARAGON L786	18-34.48N 072-16.77E
PARAGON M 1161	19-36.62N 071-20.67E
PARAMESWARA	20-13.10N 071-49.00E
SAGAR GAURAV	22-26.27N 068-34.43E
SAGAR JYOTI	19-04.70N 071-54.11E
SAGAR KIRAN	19-07.35N 072-06.45E
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E
VALIANT DRILLER	19-39.80N 071-17.59E
VICTORY DRILLER	19-28.70N 071-46.66E NEW
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 157.
167. India East Coast. Charts 355 356 INT 706. Rig list:-	
ABAN ABRAHAM	16-13.90N 082-13.70E NEW
ABAN II	16-17.90N 081-52.56E NEW
ESSAR WILDCAT	16-31.96N 082-22.69E
JACK BATES	16-15.28N 082-12.97E
OLINDA STAR	16-24.34N 082-21.12E
PLATINUM EXPLORER	16-18.70N 082-27.40E
SAGAR RATNA	16-22.43N 081-58.65E
SAGAR VIJAY	16-28.32N 082-22.34E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 057.
168. East Central Arabian Sea. Chart INT 71. Partially visible wreck probably of fishing vessel reported 15-46.2N 068-34.7E on 260625 UTC Feb 18.	
169. Bay Of Bengal - off Chittagong. Charts 31 360 INT 71. Firing by Naval Ships scheduled daily from 28 Feb - 30 Mar 18 from 2200 UTC for 19 hours in danger areas bounded by (A) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (B) 20-46N 090-00E, 20-58N 090-17E, 20-40N 090-38E, 20-28N 090-22E (D) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (D1) 20-22N 091-06E, 20-46.3N 091-31E, 20-24N 091-59E, 20-00N 091-36E (E) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (F) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E.	
2.	Cancel this MSG 311800 UTC Mar 18.
170. India West Coast – off Neelam to Tapti ODA. Charts 21 253 254 255 292 INT 71. GTV Samudra Sarvekshak progressing soil coring in vicinity of 18-34.5N 072-08E, 19-31.1N 071-22.2E, 19-13.4N 071-32.6E, 20-27.4N 71-40E, 20-51.7N 072-09.2E, 18-33.7N 072-17.7E, 18-37.9N 072-14.2E, 18-53.3N 071-52.5E, 18-52.4N 072-19.6E, 18-52.5N 071-25.4E, 18-54.2N 071-20.3E. Wide berth requested.	
2.	Cancel this MSG 031830 UTC Apr 18.
171. India East Coast – Vishakhapatnam. Charts 3012 INT 71. Dolphin Nose DGPS (17-41N 083-18 E) off.	
172. NE INDIAN OCEAN. Chart INT 71. Partially submerged object of 15 m length reported adrift 02-07N 090-34E at 261700 UTC Feb 18.	
2.	Cancel this MSG 011700 UTC Mar 18.
173. India West Coast - off Neelam to Tapti ODA. Charts 21 254 255 292 INT 71. SV Fugro Mapper progressing survey in vicinity of 18-33.7N 072-17.7E, 19-14.6N 070-52.7E, 19-35.9N 070-57.2E, 19-35.3N 071-38.7E, 19-33.1N	

173. Continued.	071-40.1E, 19-34.3N 071-36.1E, 19-34.3N 071-50E, 19-13.5N 070-48.3E, 19-07.3N 071-59.9E, 19-17.8N 071-18.5E, 19-34.7N 071-20.6E, 18-38.2N 071-00.9E, 20-18.8N 072-02.1E, 21-03.7N 072-25.3E. Wide berth requested.
2.	Cancel this MSG 311830 UTC Mar 18.
174. India East Coast - off Kakinada.	Charts 31 355 INT 71. SV Miclyn Endurance progressing pipe line survey using AUV and ROV IN area bounded by 16-31.7N 082-29.9E, 16-32.8N 082-31.8E, 16-39.7N 082-27.1E, 16-39.8N 082-27.6E, 16-37.1N 082-29.5E, 16-37.9N 082-30.2E, 16-31.8N 082-35.5E, 16-16.5N 082-35.9E, 16-16.5N 082-42.5E, 16-08.2N 082-42.5E, 16-08.3N 082-29.9E, 16-31.7N 082-29.9E. Wide berth requested.
2.	Cancel this MSG 191830 UTC Mar 18.
175. India East Coast – Paradip.	Charts 3010 INT 71. DGPS (20-15N 086-39E) off from 0030 - 0830 UTC on 01 Mar 18.
2.	Cancel this MSG 010930 UTC Mar 18.
176. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-	
	ABAN ICE 19-13.88N 071-02.41E
	ABAN III 18-16.38N 072-22.82E
	ABAN IV 18-43.45N 072-20.32E
	ACTINIA 19-19.57N 071-01.61E
	CE THORNTON 18-29.86N 072-15.00E
	DEEP DRILLER 4 21-03.93N 072-31.62E
	DEEP SEA FORTUNE 19-14.25N 072-06.45E
	DEEP SEA FOSSIL 19-18.12N 071-30.38E
	DEEP SEA MATDRILL 20-39.70N 072-15.80E NEW
	DYNAMIC VISION 19-11.05N 072-11.21E
	FG MCCLINTOCK 18-45.65N 072-19.22E
	GALVESTON KEY 20-37.78N 072-04.07E
	GREAT DRILL CHAAYA 19-15.20N 072-02.16E
	GREAT DRILL CHAARU 19-10.81N 072-07.03E
	GREAT DRILL CHETNA 19-12.91N 071-01.06E
	GREAT DRILL CHITRA 19-22.58N 071-00.85E
	HARVEY H WARD 20-07.43N 071-58.07E
	JINDAL STAR 19-05.33N 072-06.88E
	JINDAL SUPREME 19-41.90N 072-19.83E
	NOBLE ED HOLT 20-11.53N 071-52.25E
	PARAGON L786 18-34.48N 072-16.77E
	PARAGON M 1161 19-36.62N 071-20.67E
	PARAMESWARA 20-13.10N 071-49.00E
	SAGAR GAURAV 22-26.27N 068-34.43E
	SAGAR JYOTI 19-04.70N 071-54.11E
	SAGAR KIRAN 19-07.35N 072-06.45E
	SAGAR SHAKTI 19-15.49N 072-08.23E
	SAGAR UDAY 19-08.42N 070-53.87E
	TRIDENT II 19-17.81N 070-56.18E
	TRIDENT XII 19-14.80N 070-59.00E
	VALIANT DRILLER 19-39.80N 071-17.59E
	VICTORY DRILLER 19-28.70N 071-46.66E
	VIRTUE-I 19-15.20N 072-02.17E
	VIVEKANANDA1 19-15.64N 072-06.59E
	VIVEKANANDA2 19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 166.
177. India East Coast. Charts 355 356 INT 706. Rig list:-	
	ABAN ABRAHAM 16-13.90N 082-13.70E
	ABAN II 16-17.90N 081-52.56E NEW
	ESSAR WILDCAT 16-31.96N 082-22.69E
	JACK BATES 16-16.17N 082-14.93E NEW
	OLINDA STAR 16-24.34N 082-21.12E
	PLATINUM EXPLORER 16-18.70N 082-27.40E
	SAGAR RATNA 16-22.43N 081-58.65E
	SAGAR VIJAY 16-28.32N 082-22.34E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 167.

SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West coast of India Pilot (INP-1)

Chapter - 4 (Page 168)

(Source: Tamilnadu Maritime Board)

Article 4.45, Insert text after 'Charts 2037'

This port has been denotified vide Tamil Nadu Government Gazette No. 48, dated 29.11.2017 & G.O. (4D) No. 2, Highways and Minor Ports (HM1) Department, dated 10.11.2017

Chapter - 4 (Page 173)

(Source: ROS G(N)-(230), INS Suttlej)

Article 4.84, Insert text after Para 1,

Numerous wind mills are located along the coast from Kanyakumari till Manappad.

Page 174, Article 4.88, Insert text after Para 12,

13 A fishing Harbour (08° 05'.83 N, 77° 33'.86 E) is situated near Kanyakumari. All the major trawlers operating near Kanyakumari are based at this harbour. Tamil Nadu Marine Police is also based at this harbour.

Page 175, Article 4.93, Delete Para 1 and replace by,

1 **Caution.** Two obstructions, dangerous to navigation, with a least depth over it of 11.4 m and 12.5 m, lies in position 08° 02'.77 N, 77° 24'.75E and 08° 02'.39 N, 77° 33'.60 E respectively.

Article 4.94, Delete Para 1

Article 4.95, Insert text after Para 1,

Church(08° 06'.21 N, 77° 24'.87 E).

Chapter - 10

(Source: BA Notice 05/18)

Page 389,

Article 10.79, Para 1 Line 8 For 12.5 m Read 16.0 m

Article 10.79, Para 1 Line 12 For 11.0 m Read 12.0 m

Article 10.79, After Para 1 Line 17 Insert;

Tipu Sultan Channel	16.0 m
PDWCP Basin	16.0 m

Page 390, Article 10.85, Para 1 Line 5 For 24° 44'.68 N, 66° 57'.21 E Read 24° 43'.41 N, 66° 55'.78 E.

Article 10.89, Delete Para 1 and replace by;

1 Karachi Harbour is divided into three main parts, namely Lower Harbour, Upper Harbour and Pakistan Deep Water Container Port (PDWCP). Most moorings and all oil piers are located in Lower Harbour, which is situated within the harbour entrance and extends about 1½ miles NNW; all other alongside berths are in Upper Harbour which extends generally NNE from Lower Harbour for about 2 miles. PDWCP lies E of Lower Harbour.

Page 391, Article 10.95, Para 2, Delete lines 1-5 and replace by;

2 **Leading lights:**

Front light (grey beacon) (24°47'.72N 67° 00'.06E).

Rear light (similar structure) (3 cables from frontlight). From the vicinity of the Fairway Light Buoy (24°43'.14N 66° 55'.86E), the alignment (040°) of these lights leads 5 miles NE through a dredged channel marked by light buoys (lateral) to the harbour entrance, passing:

SE of a wreck (24° 46'.86N 66° 56'.08E), swept depth 0.1 m, which is marked by a light buoy (green, can); a second wreck, depth 8 m, lies 6¼ cables SW. Then to:

Article 10.95, Insert text after Para 2,

SE of the head of Manora Breakwater (24°46'.74N 66° 58'.96E), from which a light is exhibited.

Page 391, Article 10.95, Para 3 Delete Line 1-3 and replace by;

3 Lower Harbour, Upper Harbour and PDWCP can then be approached through dredged channels, marked by light buoys (lateral).

Page 392, Insert new article after Article 10.105

Pakistan Deep Water Container Port (PDWCP) 10.105a

1 PDWCP (24° 48'.37N 66° 59'.37 E) comprises four container berths on the W side of the basin, orientated SSE/NNW. Access to PDWCP is through Tipu Sultan Channel. The channel and basin are dredged to 16 m (2017).

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS




No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6794	- Mtongwe. LdgLts 309°25'. Front	04 03.67 S 39 38.48E	Q R	21	3	White column	TE 2010
D6794.1	- - - Rear. 250m from front	04 03.58S 39 38.38 E	FIR 2s	28	6	White obelisk	R220°- 040°(180°). TE 2010
D6812	- Kipevu. RasMchangamwe. LdgLts 343°. Front	04 02.54S 39 38.35E	Q R	..	6	Near roof of building	*
D6814.1	- - - Rear. 350m from front	04 02.61S 39 38.71E	FI W 2s	..	6	White concrete column	W061°- 341°(280°)
D6814.5	- -Rear. 475m from front	04 04.01S 39 34.51E	FI W 2s	10	..	White metal tower 15	
D6821	- -North Pass. LdgLts 272°. Front	03 39.32S 39 52.07E	FIW	6	5	Red topmark on white GRP column 3	
D6821.1	- - - -Rear. 181m from front	03 39.31S 39 51.97E	FIW	6	21	Red and White GRP column 5	
D6822	- -LdgLts 328°. Front	03 38.17S 39 51.67E	FI R	6	13	Red and White GRP column 2	Occas.
D6822.1	- - - Rear. 83m from front	03 38.13S 39 51.65E	FI W	6	5	Red and White GRP column 3	Occas.
D6826	- -Lts in line 212°30'. Front	03 13.03S 40 07.46E	FIW	5	5	Red and White GRP column	
D6832	LAMU BAY. LAMU HARBOUR - LdgLts 014°58'. Front. Shela	02 18.00S 40 54.74E	Q W	9	8	Red and White GRP column	
D7297.08	- Ldg. Lts 270°. Front	29 38.82N 32 19.53 E	2 F WG (vert)	15	9	White metal column	*
D7297.081	- Ldg. Lts 270°. Rear	29 38.82N 32 18.85 E	2 F WR (vert)	35	9	White metal column	*
D7329.21	- W Breakwater. Head	25 10.01 N 56 21.78 E	IsoG6s	..	3	Greensteel column with white band 6	*
D7329.22	- N Breakwater. Head	25 09.98 N 56 21.91 E	IsoR6s	..	3	Redsteel column with white band 6	*
D7433.53	Removefrom list; deleted						
D7433.55	Removefrom list; deleted						
D7433.57	Removefrom list; deleted						
D7679.8	Ra's-e Nay Band	27 23.38 N 52 34.71 E	FI W5s	..	15		
F0355.5	-Approaches to Jakhau Harbour	23 07.41 N 68 27.80 E	FI W 5s	11	10	Platform	*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014



(Last correction: Edition No. 03 dated 01Feb2018)

Page5, Insert entry above **DJIBOUTI**,

BANGLADESH	
CHITTAGONG MRSC	
22°17'.15N 91°47'.45E	
 +880 31 741989 (Primary) +880 31 741642 (Secondary) +880 31 740391-9 Ext 4108 (PABX) (Primary) +880 31 740391-9 Ext 4109 (PABX) (Primary) +880 31 740400-9 Ext 4108 (PABX) (Primary) +880 31 740400-9 Ext 4109 (PABX) (Primary) +880 31 740391-9 (PABX) Secondary +880 31 740400-9 (PABX) (Secondary) +880 31 741770-9 Ext 4137 (PABX) (Secondary) +880 31 741770-9 Ext 6137 (PABX) (Secondary) Mobile: +880 1769721111 (Duty Officer) (Primary) +880 1769724107 (Staff Officer) (Primary) +880 1769724131 (Staff Officer) (Secondary)	Fax: +880 31 741162
	Email: mrsctg@navy.mil.bd (Primary) cmcncg@navy.mil.bd (Secondary)
DHAKA MRCC	
23°48'.20N 90°24'.22E	
 +880 2 9836314 (Primary) +880 2 8711439 (Secondary) +880 2 9836141-9 Ext 2116 (PABX) (Primary) +880 2 9836141-9 Ext 2128 (PABX) (Primary) +880 2 9836141-9 Ext 2521 (PABX) (Secondary) +880 2 9836141-9 Ext 2522 (PABX) (Secondary) Mobile: +880 1769701111 (Duty Officer) (Primary) +880 1769702113 (Staff Officer) (Primary) +880 1769712520 (Staff Officer) (Secondary))	Fax: +880 2 8871254 (Primary) +880 2 9836270 (Secondary) +880 2 8712243 (Secondary)
	Email: mrcdnhk@navy.mil.bd (Primary) cmcndhk@navy.mil.bd (Secondary) Website: www.navy.mil.bd
KHULNA MRSC	
22°31'.48N 89°35'.17E	
 +880 41 762222 (Primary) +880 41 2850169 (Secondary) +880 41 761420-9 (PABX) +880 41 760200-2 (PABX) +880 41 760485-6 (PABX) +880 41 761833 (PABX) +880 41 760488-9 (PABX) +880 41 760552 Ext 20 (PABX) (Primary) +880 41 760552 Ext 4119 (PABX) (Primary) +880 41 760552 Ext 4173 (PABX) (Secondary) +880 41 760552 Ext 4118 (PABX) (Secondary) +880 41 760552 Ext 4170 (PABX) (Secondary) Mobile: +880 1769781111 (Duty Officer) (Primary) +880 1769784106 (Staff Officer) (Primary) +880 1769784170 (Staff Officer) (Secondary)	Fax: +880 41 762555
	Email: mrsckln@navy.mil.bd (Primary) cmcnkln@navy.mil.bd (Secondary)

(Source: BA 04/18) (05/18)

Page 46, UNITED ARAB EMIRATES, Insert entry below EMIRATES;

EMIRATESRESCUE JRCCAD		24°25'.34N 54°27'.30E
MMSI 004701001	DSC VHF	
 +97122020202	 +9712 2020203	
Website: www.nsrc.ae/en/		

VHF

Al Dabiya	24°19'.12N 54°08'.72E	Ch 23	H24
Al Fiedh	23°56'.58N 51°58'.80E	Ch 04	
Fujairah (Fujayrah)	25°07'.77N 56°20'.12E	Ch 81	
Jebel Ali (Mīnā' Jabal 'Ālī)	25°01'.90N 55°07'.53E	Ch 24	
Jebel Dhana (JabalAzZannah)	24°10'.40N 52°36'.45E	Ch 07	
KhawrFakkān	25°20'.93N 56°21'.83E	Ch 24	
Mattaf	25°49'.35N 55°58'.15E	Ch 07	
Mirfa (Al Mirfa)	24°05'.82N 53°29'.17E	Ch 81	
RasGhumais	24°22'.53N 51°35'.62E	Ch 20	
Sir Bu Nair	25°14'.07N 54°13'.22E		
Taweela	24°45'.00N 54°41'.47E	Ch 21	
Umm al Quwain (Umm al Qaywayn)	25°32'.20N 55°32'.38E	Ch 04	
Zakum Central Complex	24°53'.83N 53°43'.92E	Ch 19	
Zirku (JaziratZarakkūh)	24°52'.95N 53°04'.13E	Ch 28	

INP 31(2), 2014

(Last correction: Edition No. 23 dated 01Dec 2017)

NIL

INP 31(5), 2017

(Last correction: Edition No. 02 dated 16 Jan 2018)

NIL

INP 31(6), 2012

(Last correction: Edition No. 04 dated 16 Feb2018)

NIL

SECTION – X

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(UTTARAKHAND), INDIA
e-mail: - inho@navy.gov.in, msis-inho@navy.gov.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.gov.in

Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/ Everest/ Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. **Paper Charts.** A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. **ENCs.** A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

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

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

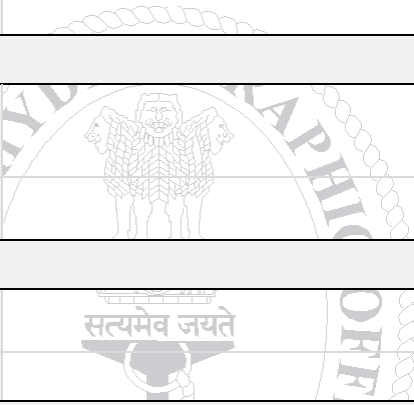

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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



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: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC