

INDIAN NOTICES TO MARINERS



EDITION NO. 11 DATED 01 JUN 2016

(CONTAINS NOTICES 117 TO 121)

REACH US 24 x 7



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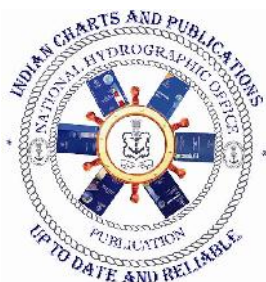
www.hydrobharat.gov.in

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

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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 new Indian Electronic Navigational Charts that are 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>
IN42016U	2016	INNER APPROACHES TO MUMBAI	27-05-2016
IN2268LC	268	CENTRAL LAKSHADWEEP	23-05-2016
IN2271AK	271	APPROACHES TO GULF OF KACHCHH	17-05-2016
IN2291RD	291	GWADAR TO DWARKA	19-05-2016
IN2292MD	292	DWARKA TO MUMBAI	19-05-2016
IN2293MM	293	MUMBAI TO NEW MANGALORE	19-05-2016
IN2358AP	358	APPROACHES TO PALK BAY	25-05-2016
IN3202KD	202	JAKHAU TO DWARKA	27-05-2016

2. The new edition Electronic Navigational Charts 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>
IN62010N	2010	KARWAR NAVAL HARBOUR	27-05-2016

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52010N	2010	KARWAR NAVAL HARBOUR	13-10-2015
IN42016M	2016	INNER APPROACHES TO MUMBAI	18-04-2013
IN3202JD	202	JAKHAU TO DWARKA	15-11-2011
IN2268CL	268	CENTRAL LAKSHADWEEP	30-11-2010
IN2271AG	271	APPROACHES TO GULF OF KACHCHH	03-10-2013
IN2291GD	291	GWADAR TO DWARKA	03-10-2013
IN2292DM	292	DWARKA TO MUMBAI	03-10-2013
IN2293MN	293	MUMBAI TO NEW MANGALORE	16-04-2012
IN3358PB	358	APPROACHES TO PALK BAY	31-07-2005

4. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2017	NAVLAKHI AND APPROACHES	25,000	New Chart
3017	APPROACHES TO DHAMRA RIVER	50,000	New Chart
4046	RANGAT BAY	10,000	New Chart
4013	APPROACHES TO LACAM HARBOUR	25,000	New Chart
	NEILL ISLAND PIER	10,000	
	LACAM HARBOUR	12,500	
	FUSILIER CHANNEL(NANCOWRY STRAIT)	25,000	
2058	KANNUR (CANNANORE) AND TELlicherry ANCHORAGE	30,000	New Chart
2008	APPROACHES TO KARWAR	25,000	New Edition

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 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 Telex: 46274 Web site: www.hydro.gov.uk	M/s Jeppesen Norway AS Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: +47 51 464700 Mob: +91 93222 38542 Fax: +47 51 464701 Email: enc@jeppesen.com , info@c-map.co.no Website: www.jeppesen.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 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 117 to 121 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
31	5	121 (T)
32 (INT 754)	5	121 (T)
217	3	117,118
258 (INT 7348)	3	117,118
272	4	117,118
293 (INT 7022)	3	117
356 (INT 7400)	5	121 (T)
391	5	121 (T)
2002 (INT 7351)	3	117,118
2052 (INT 7350)	3	117,118
3021	7	119,120



SECTION – II
PERMANENT NOTICES

***117 (11/16) INDIA – West Coast – Ports of New Mangalore and Mangalore – Wreck – Spoil Ground – Pipeline.**

Source: New Mangalore Port Trust.

Chart 293 (INT 7022) [previous update 116/16]

Insert	 Masts	12° 48′.80N., 74° 44′.69E.
Delete	 Masts	12° 47′.91N., 74° 44′.42E.

Chart 272 [previous update 116/16]


Insert	 Masts	12° 48′.80N., 74° 44′.69E.
Delete	 Masts	12° 47′.91N., 74° 44′.42E.

Chart 258 (INT 7348) [previous update 116/16]

Insert	 Masts	12° 48′.80N., 74° 44′.69E.
	spoil ground, pecked line, joining:	(a) 12° 52′.92N., 74° 42′.77E.

legend, “Spoil Ground”, centered on

Delete	 Masts	12° 53′.37N., 74° 43′.07E.
		12° 53′.08N., 74° 43′.53E.
		12° 52′.62N., 74° 43′.23E.
		(a) above
		12° 53′.05N., 74° 43′.10E.
		12° 47′.91N., 74° 44′.42E.

Chart 217 [previous update 116/16]

Insert	 Masts	12° 48′.73N., 74° 44′.74E.
	spoil ground, pecked line, joining:	(a) 12° 52′.85N., 74° 42′.82E.


legend, “Spoil Ground”, centered on


Delete	 Masts	12° 53′.30N., 74° 43′.12E.
		12° 53′.01N., 74° 43′.58E.
		12° 52′.55N., 74° 43′.28E.
		(a) above
		12° 52′.80N., 74° 43′.15E.
		12° 47′.98N., 74° 44′.37E.

Chart 2052 (INT 7350) [previous update 116/16]

Insert	 Masts	12° 48′.80N., 74° 44′.69E.
	spoil ground, pecked line, joining:	(a) 12° 52′.92N., 74° 42′.77E.

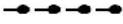
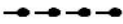
legend, “Spoil Ground”, centered on

Submarine pipe line  joining

Delete	 Masts	12° 53′.37N., 74° 43′.07E.
		12° 53′.08N., 74° 43′.53E.
		12° 52′.62N., 74° 43′.23E.
		(a) above
		12° 53′.05N., 74° 43′.15E.
		12° 57′.55N., 74° 47′.98E.
		12° 57′.47N., 74° 47′.72E.
		12° 47′.98N., 74° 44′.36E.
		12° 57′.65N., 74° 47′.98E.
		12° 57′.56N., 74° 47′.69E.

***117 (11/16) INDIA – West Coast – Ports of New Mangalore and Mangalore – Wreck – Spoil Ground – Pipeline. Continued.**

Chart 2002 (INT 7351) [previous update 090/15]

Insert	Submarine pipe line  joining	12° 57′.55N., 74° 47′.98E. 12° 57′.47N., 74° 47′.72E.
Delete	Submarine pipe line  joining	12° 57′.55N., 74° 47′.67E. 12° 57′.63N., 74° 47′.95E.

***118 (11/16) INDIA – West Coast – Ports of New Mangalore and Mangalore – Buoy.**

Source: New Mangalore Port Trust.

Chart 272 [previous update 117/16]


Move	 Fl.5s Fairway from:	12° 54′.75N., 74° 44′.37E.
	to:	12° 54′.82N., 74° 44′.30E.

Chart 258 (INT 7348) [previous update 117/16]

Move	 Fl.5s Fairway from:	12° 54′.75N., 74° 44′.37E.
	to:	12° 54′.82N., 74° 44′.30E.

Chart 217 [previous update 117/16]

Move	 Fl.5s Fairway from:	12° 54′.68N., 74° 44′.42E.
	to:	12° 54′.75N., 74° 44′.35E.

Chart 2052 (INT 7350) [previous update 117/16]

Move	 Fl.5s Fairway from:	12° 54′.75N., 74° 44′.37E.
	to:	12° 54′.82N., 74° 44′.30E.

Chart 2002 (INT 7351) [previous update 117/16]

Move	 Fl.5s Fairway from:	12° 54′.75N., 74° 44′.37E.
	to:	12° 54′.82N., 74° 44′.30E.

119 (11/16) BANGLADESH – Approaches to Chittagong – Wreck.

Source: BA Notice 1938/16.

Chart 3021 [previous update 149/15]

Insert	 Wk	22° 17′.36N., 91° 43′.65E.
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
Chart 3021 (PLAN) [previous update 149/15]

Insert	 Wk	22° 17′.36N., 91° 43′.65E.
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120 (11/16) BANGLADESH – Approaches to Chittagong – Buoy.


Source: BA Notice 1943/16.

Chart 3021 [previous update 119/16]

Insert  Fl.4s

22° 17′·38N., 91° 43′·65E.

Chart 3021 (PLAN) [previous update 119/16]

Insert  Fl.4s

22° 17′·38N., 91° 43′·65E.



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***121 (T) (11/16) INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.**

Source: NIOT Chennai.

1. 08 sea cages have been deployed East of Tuplipalaem fishing village at a depth of 13 m for duration of 05 years. The four corners of the installation are fitted with solar lights with day light control for clear demarcation of the installation.

2. The sea cages are deployed within the multipoint grid with the approximate size of 200X80m at below coordinates:

(a) 14° 02′.58N., 80° 10′.78E

(b) 14° 02′.57N., 80° 10′.97E

(c) 14° 02′.49N., 80° 10′.81E

(d) 14° 02′.49N., 80° 10′.97E

3. Mariners are advised to navigate with caution and keep clear off the area.

Charts Affected – 31 – 32 (INT 754) – 391 – 356 (INT 7400)



SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

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

Mumbai - Temporarily Out of Operation

Chennai - Temporarily Out of Operation

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)	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 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.

(Source - NAVAREA VIII Warning 100/12)

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.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

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>M/s OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s Sterling Book House 181, Dr. DN Road, Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>EW Liner Charts & Publication (India) 2/524, Sundeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@vsnl.com, sales@ccmarine.in</p>	<p>Gujarat Pipavav Port Limited PO – Uchchayya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p>M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam – 530 016 Tele Fax: 0891-2799471, Cell: +91 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com</p>	<p>M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur, Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, 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. Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in</p>
<p>Lift o Marine Paper / Digital Charts Allen’s Mansion, Flat C6 Nungi Station Road Kolkata – 700 140, IN Tel: +91 9836972027 / 8902228463 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p>M/s L. R. Marine Services 301, 3rd Floor, Birya House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</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 IIC Technologies Limited B-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034 Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com</p>	<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com, nyvmane@yahoo.com Web: www.zenithsurvey.com</p>

<p>M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>	
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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 31 May 16:

2015 SERIES – 287 334 386 445 486 498 633 646 735

2016 SERIES – 031 064 190 276 295 318 324 341 356 365 368 369 370 371 372 373 375 376 377
378 379

3. NAVAREA VIII Warnings issued during the period from 16 May to 31 May 16 (both dates inclusive) are as tabulated below:–

<p>341. India West Coast – Off Goa To Bhatkal. Charts 22 214 215 216 257 258 293 2022 2078 INT 705. Firing practice by Naval Aircraft Scheduled daily from 17 May to 10 Jun 16 from 0315-1200 UTC in danger area bounded by 15-09N 073-11E, 15-15N 073-29E, 14-20N 073-53E, 14-12N 073-38E and 18 May to 10 Jun 16 from 0315-1200 UTC in danger area bounded by 14-01N 074-28E, 13-51N 074-28E, 13-51N 074-08E, 14-11N 074-08E, 14-09N 074-23E . Safe flying Ht 3.1 KM.</p> <p>2. Cancel this MSG 101300 UTC Jun 16.</p>																																									
<p>342. Bay Of Bengal – Off Myanmar. Charts 371 INT 706. Cs Rene Descartes laying cable till 24 May 16 along line joining 16-49.1N 094-21.1E, 16-49.3N 094-20.1E, 16-49.5N 094-16.5E, 16-56.0N 094-00.1E.</p> <p>2. Cancel this MSG 240500 UTC May 16.</p>																																									
<p>343. India East Coast – Central Bay Of Bengal. Charts 32 356 INT 706. Experimental launch scheduled from Sriharikota (13-43.9N 080-14.2E) from 21-27 May 16 between 0130 - 0530 UTC.</p> <p>2. Danger zones enclosed within Zone -1: circle of 10 nm around launcher. Zone -2: 13-54N 081-00E, 13-54N 086-00E, 13-24N 086-00E, 13-24N 081-00E.</p> <p>3. Cancel this MSG 270630 UTC May 16.</p>																																									
<p>344. Bay Of Bengal – Off Myanmar. Charts 371 INT 706. MV Polarcus Aman progressing seismic survey till 26 May 16 in area 18-54.7N 091-37.6E, 19-10.7N 092-39.5E, 19-08.2N 092-36.2E, 19-53.9N 092-24.4E, 19-49.3N 092-30.8E, 19-41.5N 092-20.6E.</p> <p>2. Wide berth of 4 KM requested from survey area.</p> <p>3. Cancel this MSG 261829 UTC May 16.</p>																																									
<p>345. NE Indian Ocean. Charts INT 71. Sri Lankan fishing vessel Thushara-08 reported adrift 00-54N 084-02E at 160230 UTC May 16.</p> <p>2. Cancel this MSG 191000 UTC May 16.</p>																																									
<p>346. India East Coast – Off Balasore. Charts 31 351 3071 INT 706. Artillery rocket firing scheduled on 20 and 23 May 16 from 0430-0830 UTC in danger zone bounded by 21-25.49N 087-00.17E, 21-04.06N 087-33.46E, 20-54.20N 087-23.52E, 20-48.70N 087-10.46E.</p> <p>2. Cancel this MSG 230930 UTC May 16.</p>																																									
<p>347. India West Coast. Charts 271 292 INT 71. Rig list correct at 171003 UTC May 16.</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>ABAN ICE</td><td>22-29.58N 068-07.56E</td></tr> <tr><td>ABAN III</td><td>18-55.53N 072-18.18E NEW</td></tr> <tr><td>ABAN IV</td><td>18-29.15N 072-15.11E</td></tr> <tr><td>CE THORNTON</td><td>18-42.32N 072-20.29E NEW</td></tr> <tr><td>DISCOVERY-1</td><td>20-18.78N 072-02.12E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-34.59N 071-23.43E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-20.38N 071-25.41E</td></tr> <tr><td>FG MCCLINTOCK</td><td>19-37.33N 071-19.97E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-39.26N 070-58.87E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>18-49.13N 071-16.33E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>18-48.14N 070-52.15E</td></tr> <tr><td>HARVEY H WARD</td><td>18-34.57N 072-16.74E</td></tr> <tr><td>JINDAL STAR</td><td>19-13.21N 072-10.52E NEW</td></tr> <tr><td>JT ANGEL</td><td>22-25.98N 068-33.14E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>20-11.31N 071-52.15E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-18.33N 071-27.31E</td></tr> </tbody> </table>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	18-55.53N 072-18.18E NEW	ABAN IV	18-29.15N 072-15.11E	CE THORNTON	18-42.32N 072-20.29E NEW	DISCOVERY-1	20-18.78N 072-02.12E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	19-34.59N 071-23.43E	DEEP SEA FOSSIL	19-20.38N 071-25.41E	FG MCCLINTOCK	19-37.33N 071-19.97E	GREAT DRILL CHAAYA	18-39.26N 070-58.87E	GREAT DRILL CHETNA	18-49.13N 071-16.33E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	GREAT DRILL CHITRA	18-48.14N 070-52.15E	HARVEY H WARD	18-34.57N 072-16.74E	JINDAL STAR	19-13.21N 072-10.52E NEW	JT ANGEL	22-25.98N 068-33.14E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	20-11.31N 071-52.15E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-18.33N 071-27.31E	
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347. Continued.	
PARAMESWARA	20-04.98N 071-59.67E
RON TAPMEYAR	19-24.01N 071-15.33E
SAGAR GAURAV	19-11.12N 071-33.22E
SAGAR SHAKTI	19-37.86N 071-32.28E
SAGAR JYOTI	19-11.05N 072-08.03E NEW
SAGAR KIRAN	19-19.64N 071-16.56E
SAGAR LAXMI	20-58.00N 071-33.00E
SAGAR PRAGATI	20-58.00N 071-33.00E
SAGAR UDAY	19-21.00N 071-10.46E NEW
TRIDENT II	18-29.25N 072-14.43E
TRIDENT XII	19-31.69N 071-16.51E
VICTORY DRILLER	18-31.95N 072-15.23E
VIRTUE-I	20-19.05N 072-52.51E NEW
VALIANT DRILLER	19-34.43N 071-23.09E NEW
2.	Wide berth requested.
3.	Cancel NAVAREA VIII Msg 333.
348. NE Indian Ocean.	Chart INT 71. Man over board reported from MV Leto at 171420 UTC May 16 in position 06-00N 088-32.4E.
349. India West Coast–Porbander.	Charts 2040 INT 705. DGPS (21-37N 069-37E) off on 20 May 16 from 0130-1230 UTC.
2.	Cancel this MSG 201330 UTC May 16.
350. India West Coast – Okha.	Charts 21 203 2068 INT 705. Firing by Naval Coast Battery scheduled on 23 May 16 from 0530-0730 UTC.
2.	Danger area extending seaward upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E. Safe flying Ht 13 KM.
3.	Cancel this MSG 230830 UTC May 16.
351. India East Coast – Krishnapatnam To Machilipatnam.	Charts 32 355 356 INT 706. Three non-mechanised fishing boats along with 18 crew reported missing since 16 may 16 between Krishnapatnam and Machilipatnam.
352. India West Coast – North Arabian Sea.	Charts 22 293 INT 705. Firing by Naval Ship scheduled on 24 and 25 May 16 from 0130-0630 and 0930-1430 UTC in danger area bounded by 15-04N 070-29E, 16-53N 071-44E, 18-03N 069-53E, 16-16N 068-35E.
2.	Cancel this MSG 251530 UTC May16.
353. India West Coast – Goa.	Charts 214 215 216 257 293 2022 2078 INT 705. Firing by Naval Coast Battery scheduled on 25 May 16 from 0330 - 0630 UTC.
2.	Danger area bounded by 200 to 260 bearing from MPT building upto 10 NM seaward. Safe flying Ht 6.5 KM
3.	Cancel this MSG 250730 UTC May 16.
354. India West Coast – Central Arabian Sea.	Charts 293 INT 71. CS Dependable will lay cables from 20-30 May 16 along route joining 18-59.8N 072-34.2E, 18-51.5N 072-16.9E, 18-49.6N 072-10.4E, 18-36.4N 072-08.7E, 18-19.9N 072-06.6E, 17-43.7N 072-01.2E, 17-06.9N 071-44.1E.
2.	Wide berth requested.
3.	Cancel this MSG 301829 UTC May 16.
355. Cancel NAVAREA VIII MSG 313 351 And This Msg.	
356. India West Coast–Gulf Of Khambhat.	Charts 207 254 INT 705. Buoy 3 (20-40N 071-59E), 7(20-57.4N 072-07.5E) unlit.
2.	Cancel NAVAREA VIII 258.
357. NAVAREA VIII Warnings in Force as on 20 May 16	
	2015 series – 287 334 386 445 486 498 633 646 735
	2016 series – 031 064 190 249 256 276 295 309 310 312 314 318 324 326 328 341 342 343 344 346 347 348 350 352 353 354 355 356 358
(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.nic.in .
(c)	Cancel this MSG 271000 UTC May 16.
358. Andaman Sea – Off South Andaman.	Charts 41 405 473 4030 INT 706. Firing scheduled on 22 May 16 from 0630-1030 UTC in area bounded by 11-17N 092-34E, 11-05N 092-34E, 11-05N 092-48E, 11-17N 092-48E. Safe flying Ht 6 KM.
2.	Cancel this MSG 221130 UTC May 16.
359. India East Coast- Chennai.	Charts 313 3001 INT 706. Firing from Naval Coast Battery scheduled on 27 May 16 from 0530 - 0730 UTC.
2.	Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. Safe flying Ht 13 KM.
3.	Cancel this MSG 270830 UTC May 16.

360.	Indian Ocean – South Of Reunion I. Chart INT 71. 20 m long green craft reported adrift 23-43.2S 056-37.0E on 220923 UTC May 16.
2.	Cancel this MSG 241000 UTC May 16.
361.	India West Coast – Gulf Of Khambhat. Charts 208 INT 705. Gopnath DGPS (21-12N 072-07E) off on 25 May 16 from 0130-1230 UTC.
2.	Cancel this MSG 251330 UTC May 16.
362.	Cancel NAVAREA VIII MSG 348 and this MSG.
363.	India West Coast. Charts 271 292 INT 71. Rig list correct at 241001 UTC May 16
	ABAN ICE 22-29.58N 068-07.56E
	ABAN III 18-55.53N 072-18.18E
	ABAN IV 18-29.15N 072-15.11E
	CE THORNTON 18-42.32N 072-20.29E
	DISCOVERY-1 20-18.78N 072-02.12E
	DYNAMIC VISION 19-11.03N 072-11.12E
	DEEP SEA FORTUNE 19-34.59N 071-23.43E
	DEEP SEA FOSSIL 19-20.38N 071-25.41E
	FG MCCLINTOCK 19-37.33N 071-19.97E
	GREAT DRILL CHAAYA 18-39.26N 070-58.87E
	GREAT DRILL CHETNA 18-49.13N 071-16.33E
	GREAT DRILL CHAARU 20-07.04N 071-49.35E
	GREAT DRILL CHITRA 18-48.14N 070-52.15E
	HARVEY H WARD 18-34.57N 072-16.74E
	JINDAL STAR 19-13.21N 072-10.52E
	JT ANGEL 22-25.98N 068-33.14E
	MERCURY FOCUS 21-18.12N 072-31.64E
	NOBLE ED HOLT 20-11.31N 071-52.15E
	PARAGON L-786 19-29.88N 071-24.70E
	PARAGON M 1161 19-18.33N 071-27.31E
	PARAMESWARA 20-04.98N 071-59.67E
	RON TAPMEYAR 19-24.01N 071-15.33E
	ROWAN LOUISIANA 19-34.41N 071-41.04E NEW
	SAGAR GAURAV 19-11.12N 071-33.22E
	SAGAR SHAKTI 19-37.86N 071-32.28E
	SAGAR JYOTI 19-11.05N 072-08.03E
	SAGAR KIRAN 19-19.64N 071-16.56E
	SAGAR LAXMI 20-58.00N 071-33.00E
	SAGAR PRAGATI 20-58.00N 071-33.00E
	SAGAR UDAY 19-21.00N 071-10.46E
	TRIDENT II 18-29.25N 072-14.43E
	TRIDENT XII 19-31.69N 071-16.51E
	VICTORY DRILLER 18-31.95N 072-15.23E
	VIRTUE-I 20-19.05N 072-00.52E NEW
	VALIANT DRILLER 19-34.43N 071-23.09E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 347.
364.	Bay Of Bengal – Off Myanmar. Charts 371 INT 706. CS Rene Descartes laying cable till 31 May 16 along route 16-49.1N 094-21.1E, 16-49.3N 094-20.1E, 16-49.5N 094-16.5E, 16-56.0N 094-00.1E.
2.	Cancel this MSG 310700 UTC May 16.
365.	India West Coast – Gulf Of Kachchh. Charts 2068 INT 705. STS Lighterage OPS shifted from Mumbai to LPO Vadinar (22-32.0N 069-36.5E)
366.	Cancel NAVAREA VIII 249 343 and this MSG.
367.	North Indian Ocean. Chart INT 71. SLFV Jaymali-01 reported adrift in vicinity of 02-44N 084-53E at 240445 UTC May 16.
2.	Cancel this MSG 270445 UTC May 16.
368.	India East Coast - off Krishnapatnam. Charts 356 INT 706. 08 sea cages deployed east of Tuplipalaem in area bounded by 14-02.58N 080-10-78E, 14-02-57N 080-10-97E, 14-02-49N, 080-10-81E, 14-02-49N 080-10-97E.
2.	Wide berth requested.
369.	India East Coast – Off Gopalpur. Charts 31 352 353 3005 INT 706. Army Air Defence firing and BPTA flight scheduled daily from 02-04, 14-16, 17-18, 21-23, 27-29 Jun 16 from 0130-0730 and 0830-1430 UTC.
2.	Firing area bounded by (a) 19-14.60N 084-53.70E (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. Safe flying Ht 6.1 KM.

369. Continued.
3. Flight area bounded by 19-17.67N 084-55.21E, 19-10.75N 084-47.38E, 18-56.03N 084-52.64E, 19-12.33N 085-14.92E. Safe flying Ht 1.5 KM.
4. Cancel this MSG 291530 UTC Jun 16.
370. India West Coast. Charts 271 292 INT 71. Rig list correct at 271002 UTC May 16.
ACTINIA 18-37.77N 071-27.17E NEW
ABAN III 18-55.53N 072-18.18E
ABAN IV 18-29.15N 072-15.11E
CE THORNTON 18-42.32N 072-20.29E
DISCOVERY-1 20-18.78N 072-02.12E
DYNAMIC VISION 19-11.03N 072-11.12E
DEEP SEA FORTUNE 19-34.59N 071-23.43E
DEEP SEA FOSSIL 19-20.38N 071-25.41E
FG MCCLINTOCK 19-37.33N 071-19.97E
GREAT DRILL CHAAYA 18-39.26N 070-58.87E
GREAT DRILL CHETNA 18-49.13N 071-16.33E
GREAT DRILL CHITRA 18-48.14N 070-52.15E
HARVEY H WARD 18-34.57N 072-16.74E
JINDAL STAR 19-13.21N 072-10.52E
JT ANGEL 22-25.98N 068-33.14E
MERCURY FOCUS 21-18.12N 072-31.64E
NOBLE ED HOLT 20-11.31N 071-52.15E
PARAGON L-786 19-29.73N 071-22.89E NEW
PARAGON M 1161 19-18.33N 071-27.31E
PARAMESWARA 20-01.85N 071-37.94E NEW
RON TAPMEYAR 19-24.01N 071-15.33E
ROWAN LOUISIANA 19-34.41N 071-41.04E
SAGAR GAURAV 19-11.12N 071-33.22E
SAGAR SHAKTI 19-37.86N 071-32.28E
SAGAR JYOTI 19-11.05N 072-08.03E
SAGAR KIRAN 19-19.64N 071-16.56E
SAGAR LAXMI 20-58.00N 071-33.00E
SAGAR PRAGATI 20-58.00N 071-33.00E
SAGAR UDAY 19-21.00N 071-10.46E
TRIDENT II 18-29.25N 072-14.43E
TRIDENT XII 19-31.69N 071-16.51E
VICTORY DRILLER 18-31.95N 072-15.23E
VIRTUE-I 20-19.05N 072-00.52E
VALIANT DRILLER 19-34.43N 071-23.09E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 363.
371. India West Coast– Safety Fairway Off Mumbai. Charts 292 INT 705. Floater Rig Aban Ice deployed in position 19-12-8N 070-45.13E and GD Chaaru in position 20-05.63N 071-48.56E.
2. Caution advised while transiting. Wide clearance requested.
372. NAVAREA VIII warnings in force as on 27 May 16
2015 series – 287 334 386 445 486 498 633 646 735
2016 series – 031 064 190 276 295 309 310 312 314 318 324 326 328 341 354 356 364 365 368 369 370
(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.
(b) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in www.hydrobharat.nic.in .
(c) Cancel this MSG 031004 UTC Jun 16.
373. India East Coast – Vishakhapatnam. Charts 3012 INT 706. Dolphin Nose DGPS (17-41N 083-18E) inoperative.
374. India West Coast – N Arabian Sea. Charts 22 292 293 INT 705. Firing by Naval Ships scheduled on 03 Jun 16 from 0630-1530 UTC in danger area bounded by 18-18N 071-06E, 18-05N 071-37E, 17-43N 071-16E, 17-57N 070-44E.
2. Cancel this MSG 031630 UTC Jun 16.
375. India West Coast – Central Arabian Sea. Charts 22 INT 71. CS Dependable laying cable till 05 Jun 16 along route joining 17-14.4N 071-47.6E, 17-06.9N 071-44.1E, 17-00.3N 071-41.0E, 16-42.8N 071-30.0E, 16-34.6N 071-22.7E, 16-24.7N 071-08.2E, 16-14.9N 071-03.0E.
2. Wide berth requested.
3. Cancel this MSG 051829 UTC Jun 16.

376. India West Coast – Kochi. Charts 22 220 2029 INT 71. Firing by Naval Coast Battery scheduled on	
<u>Date</u>	<u>Time (UTC)</u>
03 Jun 16	0900-1200
07 Jun	0900-1200 and 1230-1430
10 Jun	0900-1200
14 Jun	0900-1200
17 Jun	0900-1200
21 Jun	0900-1200
24 Jun	0900-1200 and 1230-1430
28 Jun	0900-1200
2. Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. Safe flying Ht 10 KM.	
3. Cancel this MSG 281300 UTC Jun 16.	
377. India West Coast – N Arabian Sea. Charts 22 292 293 INT 705. Firing by Naval Ships scheduled on 03 Jun 16 from 0630-1530 UTC in danger area bounded by 18-06N 070-39E, 17-49N 071-21E, 18-05N 071-37E, 18-22N 071-04E.	
2. Cancel NAVAREA VIII 374 and this MSG on 031630 UTC Jun 16.	
378. India West Coast – Lakshadweep Sea. Charts 22 INT 71. RV MGS Sagar will progress survey from 01 - 30 Jun 16 in areas bounded by (a) 12-36.9N 074-06.9E, 12-25.7N 074-16.8E, 11-11.0N 074-57.0E, 11-10.9N 074-08.1E (b) 11-01.0N 070-30.6E, 09-23.3N 070-30.9E, 11-01.9N 069-34.7E (c) 08-43.4N 075-47.9E, 08-44.6N 075-49.0E, 08-45.1N 075-49.7E, 08-45.5N 075-51.0E, 08-44.7N 075-53.0E, 08-45.2N 075-55.1E, 08-44.8N 075-57.1E, 08-43.7N 076-00.2E, 08-41.6N 076-06.2E, 08-36.9N 076-11.2E, 08-34.5N 076-13.2E, 08-33.8N 076-15.3E, 08-28.4N 076-20.9E, 08-27.3N 076-22.8E, 08-22.8N 076-24.4E, 08-20.2N 076-28.4E, 08-03.7N 076-40.3E, 08-00.2N 076-40.5E, 07-55.4N 076-40.8E, 07-51.3N 076-39.6E, 07-48.2N 076-42.3E, 07-42.2N 076-43.7E, 07-40.8N 076-43.6E, 07-57.1N 076-31.4E, 08-13.8N 076-19.4E, 08-20.1N 076-15.1E, 08-22.6N 076-12.4E, 08-40.8N 075-50.6E, 08-43.3N 075-47.7E.	
2. Wide berth requested.	
3. Cancel this MSG 301829 UTC Jun 16.	
379. India West Coast – Mumbai To Okha. Charts 21 INT 71. SV Fugro Mapper will progress survey from 01 - 30 Jun 16 in vicinity of 18-50N 072-13E, 20-19N 071-48E, 22-25N 068-33E, 19-11N 072-08E, 19-41N 071-25E, 18-48N 070-52E, 19-29N 071-16E, 19-37N 071-19E, 19-39N 071-17E, 19-11N 072-11E, 21-04N 072-25E, 18-34N 072-17E, 18-33N 072-18E, 19-34N 071-21E, 20-06N 071-48E, 18-56N 072-18E, 19-35N 071-23E, 21-03N 072-25E.	
2. Wide berth requested.	
3. Cancel this MSG 301829 UTC Jun 16.	

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
K1007.8	- Pangkalbalam. Baturusa Bridge. No 3	02 05.20S 106 09.40 E	Fl Y 5s	. .	6	Yellow x on yellow beacon	fl 1.5
*	*	*	*	*	*	*	*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS



INP 31(1), 2014

(Last correction: Edition No. 09 dated 01 May 2016)

COAST RADIO STATIONS

PAGE 35, PAKISTAN, KARACHI (ASK) [4060]

Delete entry and replace by;

KARACHI (ASK) [4060]			
24°51'N 67°03'E	MMSI 004634060	DSC VHF MF HF	
 +92 21 4591161		 +92 21 34591285	

VHF

		Ch 02 04 05 07 12 16	H24
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RT (MF)



	Position	Transmits	Receives	Hours of Watch
		2352.5 2182	2182	H24

(Source: BA 18/16)

(11/16)

PAGE 35, PAKISTAN.

Insert:

PAKISTAN	
POLLUTION REPORTING	
PAKISTAN MARITIME SECURITY AGENCY(PMSA),KARACHI	
 +92 21 99214624 (PMSA) +92 21 99214864-7 (PMSA) +92 21 99204196 (Ports and Shipping) +92 21 99206406 (Ports and Shipping) +92 21 48506151 (Hydrographer) +92 21 48506152 (Hydrographer)	 +92 21 992114625(PMSA) +92 21 99206407 (Ports and Shipping) +92 21 99201623 (Hydrographer)
	Email: mrccpmsa@cyber.net.pk (PMSA) hqmsa@cyber.net.pk (PMSA) hqpmsa@msa.org.pk (PMSA) dgpspk@gmail.com(Ports and Shipping) hydropk@paknavy.gov.pk (Hydrographer) Website: www.paknavy.gov.pk/hydro (Hydrographer)



PROCEDURE: In general, Pakistan coastal waters and Exclusive Economic Zone (EEZ) are relatively free from marine pollution. To keep Pakistani waters free from marine pollution, mariners transiting Maritime Zone of Pakistan are warned to strictly adhere to the MARPOL Regulations on Marine Pollution. Pakistan's EEZ is under constant surveillance to monitor pollutants. Vessels found polluting the marine environment will be prosecuted in accordance with the law and held responsible for all consequences. The Pakistan Maritime Security Agency is responsible for preventing and controlling marine pollution.

CONTENT OF REPORT:

Mariners are particularly advised to inform the following immediately on sighting or detecting marine pollution while passing through Pakistani waters:

- 1 HQ Pakistan Maritime Security Agency, Plot No.34A, Dockyard Road, P.O Box No.13333, Karachi.
- 2 Director General, Ministry of Portland Shipping, 1st Floor KDLB Building, 58; West Wharf Road, Karachi.
- 3 Hydrographer of the Pakistan Navy, Hydrographic Department, 11 Liaquat Barracks, 75530 Pakistan, Karachi.

PORT LIMITS –OIL SPILLS

 <ul style="list-style-type: none"> +92 21 99214530-41 (Karachi) +92 21 99214321(Karachi) +92 21 99272162 (Port Qasim) +92 21 99272111-30 (Port Qasim) +92 21 34730101-3 (Ports Qasim (ext 4151,4294,4295)) +92 21 99263014-17 (Mercantile Marine Department) +92 21 99071300 (Pakistan Metrological Department) +92 21 99071302 (Pakistan Metrological Department) +92 21 99071322 (Pakistan Metrological Department) 	 <ul style="list-style-type: none"> +92 21 99214329 (Karachi) +92 21 99214330 (Karachi) +92 21 34730108 (Port Qasim) +92 21 99272170 (Port Qasim) +92 21 99263018 (Mercantile Marine Department) +92 21 99248282 (Pakistan Metrological Department)
	<p>Email: info@mercantilemarine.gov.pk (Mercantile Marine Department)</p> <p>srmetmojiap@outlook.com(Pakistan Metrological Department)</p> <p>pmdmmokarachi@gmail.com(Pakistan Metrological Department)</p> <p>Website: www.mercantilemarine.gov.pk (Mercantile Marine Department)</p>
<p>The Authorities or Organisations responsible for emergencies relating to oil spills within Port limits are:</p> <ol style="list-style-type: none"> 1 Karachi Port Trust Deputy Conservator. 2 Port Qasim Authority Deputy Conservator. 3 Principal officer Mercantile Marine Department. 4 Pakistan Metrological Department. 	

INP 31(2), 2014*(Last correction: Edition No. 09 dated 01 May 2016)***NIL****INP 31(5), 2011***(Last correction: Edition No. 09 dated 01 May 2016)***PAGE 175, PAKISTAN***Delete entry and replace by;***PAKISTAN****National SAR Agency: Pakistan Maritime Security Agency****Address: Headquarters, Pakistan Maritime Security Agency, Plot No 34-A, West Wharf Road, Karachi - 74200, Pakistan****Telephone: +92 21 99214624****+92 21 99214964****+92 21 99214965****+92 21 99214966****+92 21 99214967****+92 21 99214865****Fax: +92 21 99214625**

Pakistan Maritime Security Agency under the Ministry of Defence is responsible for manning the Maritime Rescue Coordination Centre of Pakistan for the coordination of Search and Rescue operations within the Pakistan SAR region. Karachi Radio (ASK) is responsible for maintaining a continuous listening watch on all international distress frequencies.

The Joint Maritime Information and Coordination Centre (JMICC) will coordinate and harmonize efforts for maritime security within Pakistan's maritime jurisdiction to facilitate shipping transiting through the North Arabian Sea (NAS)

	Telephone +92	Fax +92	Others/ Ship Earth Stations (SES)
MRCC PAKISTAN (Maritime Security Agency)	21 99214624 21 99214964 21 99214965 21 99214966 21 99214967	21 99214625	Inmarsat C: 446300048 Inmarsat mini-C: 446300033 email: mrccpmsa@cyber.net.pk

	21 99214865		hqmsa@cyber.net.pk
JOINT MARITIME INFORMATION AND COORDINATION CENTRE (JMICC)	21 48505272	21 99232195 21 99232196	email: jmio@paknavy.gov.pk
KARACHI RADIO (ASK)	21 34591161	21 34591285	

(Source: BA 18/16)

(11/16)

**Page 74, LIST OF DSC COAST STATIONS FOR INDIAN OCEAN REGION
INDONESIA(Sumatera) ,**
Insert new row below SIBOLGA:

TANJUNG UBAN	005251506	01°04'05N 104°13'.47E	20
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(Source: BA 18/16)

(11/16)

INP 31(6), 2012*(Last correction: Edition No. 06 dated 16 Mar 2016)***NIL**

SECTION – IX **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 102 A 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.

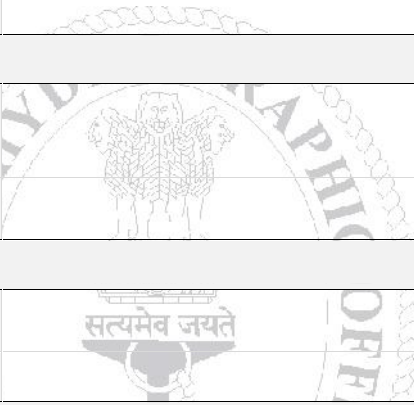
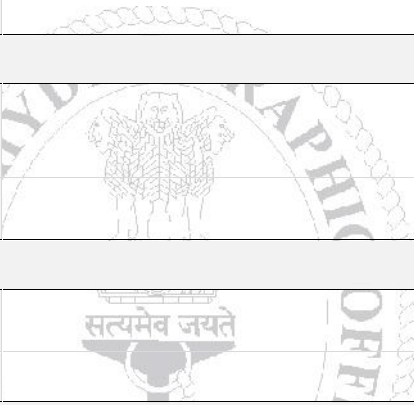
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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

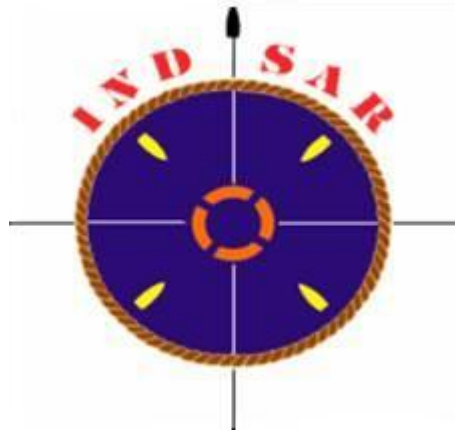


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes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