



INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2016

(CONTAINS NOTICES 082 TO 091)

REACH US 24 x 7



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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 are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN17705B	7705	ARABIAN SEA	16-03-2016
IN17706C	7706	BAY OF BENGAL	16-03-2016

2. 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>
IN17705A	7705	ARABIAN SEA	21-09-2012
IN17706B	7706	BAY OF BENGAL	19-10-2011

3. Miscellaneous updates on Indian Electronic Navigational Charts:-

<i>ENC Cell Name</i>	<i>Read as</i>	<i>ENC Cell Name</i>	<i>Issue Date</i>
IN52057S		IN52057R	15-03-2016

4. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2034 (INT 7349)	HAZIRA PORT	10,000	New Edition
2101 (INT 7347)	APPROCHES TO HAZIRA	37,500	New Chart
2518	MANDA BAY	25,000	New Edition
2525	APPROACHES TO MANDA BAY	37,500	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 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 082 to 091 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	091 (T)
22 (INT 752)	3	091 (T)
23	1	091 (T)
31	5	089 (T), 090 (T)
41 (INT 757)	6	090 (T)
203 (INT 7319)	2	082
208	2	083
211	3	084
214	3	091 (T)
254 (INT 7331)	2	083
255 (INT 7334)	3	084
257 (INT 7343)	3	091 (T)
268 (INT 7353)	4	091 (T)
273	4	091 (T)
292 (INT 7021)	2	084, 091 (T)
293 (INT 7022)	3	084, 091 (T)
320	7	089 (T)
321	7	088
322	7	088
361	7	089 (T)
371	7	088, 089 (T), 090 (T)
436	7	087
2015 (INT 7337)	3	085
2020	3	091 (T)
2022 (INT 7345)	3	091 (T)
2033	2	082
2039	2	083
2047	4	091 (T)
2082	2	083
2083 (INT 7339)	2	082
3002 (INT 7410)	5	086
3012 (INT 7411)	5	086
7703 (INT 703)	1	091 (T)
7705 (INT 705)	1	091 (T)

SECTION – II
PERMANENT NOTICES

***082 (06/16) India – West Coast – Gulf of Kachchh, Sikka Creek – Wrecks – Buoys – Beacon.**

Source: NHO.

Chart 203 (INT 7319) [previous update 042/16]

Substitute  for  PA 22° 30′.70N., 69° 46′.20E.

Delete  22° 28′.63N., 69° 46′.00E.

Chart 2083 (INT 7339) [previous update 176 /14]

Insert  22° 30′.73N., 69° 46′.29E.



22° 29′.50N., 69° 50′.18E.

Delete  PA 22° 30′.74N., 69° 46′.19E.



22° 28′.67N., 69° 46′.00E.

Chart 2083 (Plan) [previous update 176/14]

Insert  22° 29′.502N., 69° 50′.178E.

Chart 2033 [previous update NC 30 Sep 14]

Insert  22° 30′.731N., 69° 46′.286E.



22° 29′.502N., 69° 50′.178E.

22° 29′.393N., 69° 51′.364E.

22° 29′.446N., 69° 51′.131E.

22° 29′.369N., 69° 51′.198E.

Delete  PA 22° 30′.740N., 69° 46′.190E.



22° 28′.671N., 69° 46′.002E.

***083 (06/16) India – West Coast – Gulf of Khambhat – Approaches to Dahej – Foul.**

Source: VTS Khambhat.

Chart 254 (INT 7331) [previous update 166/15]

Insert # 21° 40′.37N., 72° 29′.41E.

Chart 208 [previous update 041/16]

Insert # 21° 40′.37N., 72° 29′.41E.

Chart 2039 [previous update 041/16]

Insert # 21° 40′.36N., 72° 29′.43E.

Chart 2082 [previous update 166/15]

Insert # 21° 40′.40N., 72° 29′.40E.

***084 (06/16) India – West Coast – Satpati to Dighi Harbour – Wreck.**

Source: MRCC, Mumbai.

Chart 292 (INT 7021) [previous update 040/16]

Insert  PA 19° 09′.00N., 72° 35′.00E.

Chart 293 (INT 7022) [previous update 040/16]

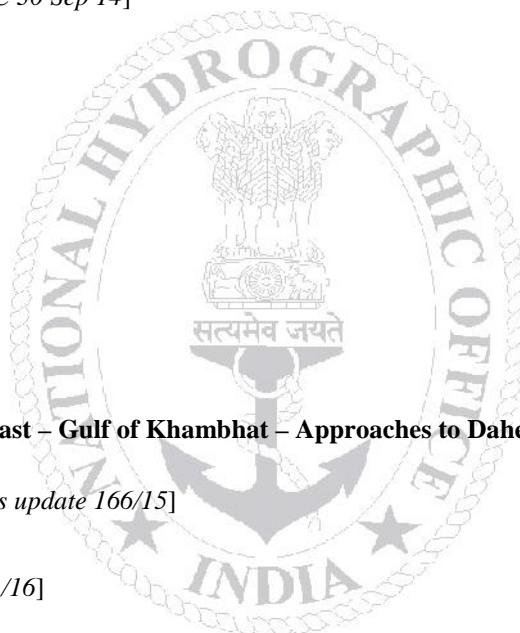
Insert  PA 19° 09′.00N., 72° 35′.00E.

Chart 255 (INT 7334) [previous update 069/16]

Insert  PA 19° 09′.00N., 72° 35′.00E.

Chart 211 [previous update 069/16]


Insert  PA 19° 09′.00N., 72° 35′.00E.



***085 (06/16) India – West Coast – Port of Mumbai – Submarine Cable.**

Source: NHO.

Chart 2015 (INT 7337) [previous update 069/16]

Insert submarine cable, , joining: 18° 58'·14N., 72° 48'·11E. (Shore)
18° 57'·86N., 72° 47'·55E. (W Border)

***086 (06/16) India – East Coast – Visakhapatnam Harbour – Wreck.**

Source: IH-102, INS Nirupak.

Chart 3002 (INT 7410) [previous update 063/16]

Insert accompanying note, “omission of certain navigational aids”, centered on: 17° 42'·10N., 83° 12'·25E.

Delete accompanying note, “omission of certain navigational aids”, centered on: 17° 42'·10N., 83° 12'·25E.

Chart 3012 (INT 7411) [previous update NC 15 Sep 15]

Insert  17° 41'·877N., 83° 18'·310E.

 17° 41'·818N., 83° 18'·300E.

 17° 41'·799N., 83° 18'·378E.

***087 (06/16) Malacca Strait – Malaysia – West Coast – Pinang Island to Sembilan Island – Buoy.**

Source: BA Notice – 914/16.

Chart 436 [previous update 134/15]

Insert  03° 55'·44N., 100° 40'·40E.

***088 (06/16) Bay of Bengal – Coast of Burma – Mayu River to Kyaukpyu – Rock.**

Source: French Navy.

Chart 371 [previous update 044/16]

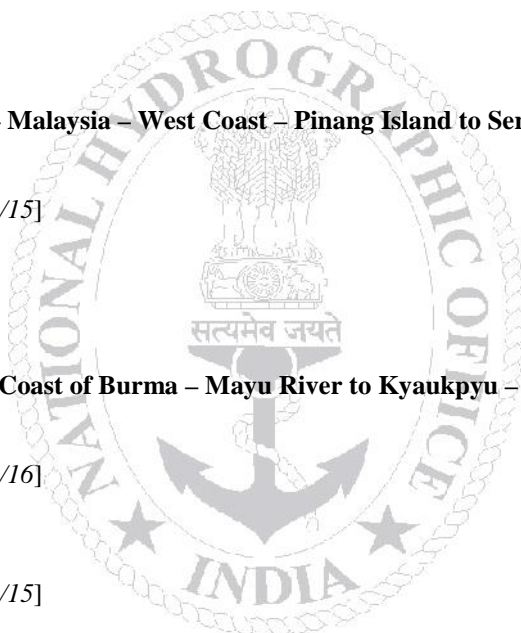
Insert  19° 28'·74N., 93° 17'·75E.

Chart 321 [previous update 171/15]

Insert  19° 28'·74N., 93° 17'·75E.

Chart 322 [previous update 171/15]

Insert  19° 28'·74N., 93° 17'·75E.



SECTION – III**TEMPORARY AND PRELIMINARY NOTICES*****089 (T) (06/16) INDIA – Bay of Bengal – Naff River to Sittwe (Akyab) – Survey Operation.**

Source: Myanmar Hydrographic Office.

1. Survey vessel MV Polarcus Naila (call sign; C6XK5) will carry out 3D seismic survey in below mentioned area till **30 Apr 16**:

Sl. No.	Position	Sl. No.	Position
(i)	20° 13'·03N., 92° 00'·27E.	(v)	19° 42'·02N., 91° 43'·42E.
(ii)	20° 05'·27N., 92° 09'·73E.	(vi)	19° 35'·97N., 91° 47'·07E.
(iii)	19° 57'·32N., 92° 01'·72E.	(vii)	19° 36'·00N., 91° 31'·43E.
(iv)	20° 00'·12N., 91° 56'·93E.	(viii)	20° 03'·47N., 91° 50'·67E.

2. During the survey drilling period unauthorized navigation, anchoring, fishing and trawling are prohibited within 4 KM from above mentioned area.

3. Vessels are requested to give a wide berth to the vessels and navigate with caution.

Charts affected – 31 – 371 – 361 – 320.

***090 (T) (06/16) INDIA – Bay of Bengal – Sittwe (Akyab) to Preparis Island – Survey Operation.**

Source: Myanmar Hydrographic Office.

1. Survey vessel MV Fugro Supporter (call sign; C6AE2) will carry out 3D seismic survey in below mentioned area till **14 Apr 16**:

Sl. No.	Position
(i)	19° 00'·00N., 92° 09'·00E.
(ii)	19° 00'·00N., 93° 16'·00E.
(iii)	18° 15'·00N., 93° 57'·00E.
(iv)	18° 15'·00N., 92° 09'·00E.

2. During the survey drilling period unauthorized navigation, anchoring, fishing and trawling are prohibited within 4 KM from above mentioned area.

3. Vessels are requested to give a wide berth to the vessels and navigate with caution.

Charts affected – 31 – 41 (INT 757) – 371.

***091 (T) (06/16) INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.**

Source: NIOT - Chennai.

1. Following yellow coloured data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:

Buoy No.	Position	Charts affected
AD02/ MB	15° 00'·00N., 69° 00'·00E.	7705 (INT 705)
AD04/ MB	08° 00'·00N., 73° 00'·00E.	22 (INT 752), 23, 273
AD06/OB	18° 30'·00N., 67° 30'·00E.	21, 292 (INT 7021)
AD07/OB	15° 00'·00N., 69° 00'·00E.	7705 (INT 705)
AD08/ OB	12° 00'·00N., 68° 30'·00E.	7703 (INT 703), 7705 (INT 705)
*AD09/ OB	08° 00'·05N., 73° 00'·05E.	22 (INT 752), 23, 273
AD10/ OB	10°19'·00N., 72° 30'·00E.	22 (INT 752), 273, 268 (INT 7353)
CB02/ CB	10° 52'·00N., 72° 12'·00E.	22 (INT 752), 268 (INT 7353), 273, 2047
CB04/ CB	15° 23'·00N., 73° 45'·00E.	22 (INT 752), 293 (INT 7022), 257 (INT 7343), 214, 2022 (INT 7345), 2020
CALVAL/ MB	10° 36'·00N., 72° 17'·00E.	22 (INT 752), 273, 268 (INT 7353)
TB12/ TB	20° 38'·00N., 67° 05'·00E.	21, 292 (INT 7021)
STB02/ TB	20° 48'·00N., 65° 25'·00E.	21

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

3. All positions are in WGS 84 datum.

4. * Indicates new/revised entry.

Former INM 054(T)/16 is cancelled.

SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

MSI Promulgation by NAVTEX Stations at Mumbai and Chennai are temporarily out of operation.

(Source – DG Shipping)

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.

Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<p>JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>	<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>
<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>	<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martin.cn</p>
<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>		

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, Seetammappeta, 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>

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 15 Feb 16:

2015 SERIES – 124 287 334 386 439 445 486 498 582 616 633 646 672 735

2016 SERIES – 027 031 063 064 107 134 140 145 147 150 152 158 169 173 175 179 181 185 186
187 188 189 190 192 193 194 195 197 198 199 200 201

3. NAVAREA VIII Warnings issued during the period from 01 Mar to 15 Mar 16 (both dates inclusive) are as tabulated below:–

<p>155. East Lakshadweep Sea. Charts 23 INT 71. SLFV Jinthaputha adrift 06-01N 078-32E at 010235 UTC Mar. 2. Cancel this MSG 041000 UTC Mar 16.</p>																																																																		
<p>156. Central Bay of Bengal. Charts 33 INT 706. SLFV Wasana adrift 12-34N 084-54E at 010315 UTC Mar. 2. Cancel this MSG 041000 UTC Mar 16.</p>																																																																		
<p>157. India West Coast. Charts 271 292 INT 71. Rig list correct at 011000 UTC Mar 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>19-29.98N 071-16.28E</td></tr> <tr><td>ABAN IV</td><td>19-30.93N 071-21.44E</td></tr> <tr><td>CE THORNTON</td><td>19-40.10N 072-18.89E</td></tr> <tr><td>DISCOVERY-1</td><td>18-57.12N 072-10.81E</td></tr> <tr><td>DYNAMIC VISION</td><td>22-18.69N 068-34.46E NEW</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-01.73N 071-25.58E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-58.31N 071-29.99E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-40.10N 072-13.59E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-19.37N 072-02.07E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E</td></tr> <tr><td>HARVEY H WARD</td><td>18-48.40N 072-20.00E</td></tr> <tr><td>JINDAL STAR</td><td>19-15.26N 071-21.90E</td></tr> <tr><td>JT ANGEL</td><td>22-52.20N 068-28.80E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-01.90N 071-32.57E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-28.98N 071-19.63E</td></tr> <tr><td>PARAMESWARA</td><td>20-04.98N 071-59.67E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-08.72N 072-07.03E</td></tr> <tr><td>SAGAR GAURAV</td><td>20-20.45N 071-15.40E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-39.70N 071-04.71E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-25.14N 071-15.83E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.54N 071-22.35E</td></tr> <tr><td>TRIDENT XII</td><td>19-34.42N 071-21.88E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>19-26.06N 071-24.26E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-38.13N 071-16.35E NEW</td></tr> </tbody> </table> <p>2. Wide berth requested. 3. Cancel NAVAREA VIII 139.</p>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-30.93N 071-21.44E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	18-57.12N 072-10.81E	DYNAMIC VISION	22-18.69N 068-34.46E NEW	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-01.73N 071-25.58E	FG MCCLINTOCK	18-58.31N 071-29.99E	GREAT DRILL CHAAYA	18-40.10N 072-13.59E	GREAT DRILL CHETNA	21-37.38N 068-26.55E	GREAT DRILL CHITRA	19-19.37N 072-02.07E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-52.20N 068-28.80E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	19-01.90N 071-32.57E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-28.98N 071-19.63E	PARAMESWARA	20-04.98N 071-59.67E	RON TAPMEYAR	19-08.72N 072-07.03E	SAGAR GAURAV	20-20.45N 071-15.40E	SAGAR SHAKTI	19-39.70N 071-04.71E	SAGAR JYOTI	19-25.14N 071-15.83E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-06.54N 071-22.35E	TRIDENT XII	19-34.42N 071-21.88E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-38.13N 071-16.35E NEW
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<p>158. Bay of Bengal – off Kyaukpyu Harbour. Charts 371 BA 817 INT 706. Grounding of merchant vessel reported on uncharted rock in position 19-28.74N 093-17.75E. Measured depth in area 3.5 meters.</p>																																																																		
<p>159. India East Coast – Bay of Bengal. Charts 31 353 354 INT 71. Launch of experimental flight vehicle scheduled from ITR from 07-09 Mar 16 from 0730-1130 UTC in danger zone bounded by 17-11.74N 083-29.07E, 19-57.95N 089-14.57E, 21-12.90N 088-26.23E, 17-27.81N 083-18.19E. 2. No over flight and shipping permitted in danger zone. 3. Cancel this MSG 091230 UTC Mar 16.</p>																																																																		
<p>160. India East Coast – Bay of Bengal. Charts 31 32 INT 706. Missile firing practice by Naval ships scheduled from 071030 – 080730 UTC Mar 16 in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-40N 084-42E, 15-08N 085-06, 14-16N 084-35E. Safe flying Ht 25 KM. 2. Cancel this MSG 080830 UTC Mar 16.</p>																																																																		

<p>161. Bay of Bengal, Andaman Sea and South Pacific Ocean. Charts 32 33 41 INT 71 INT 706. PSLV launch scheduled from 10-12 Mar 16 between 0830 - 1230 UTC from 13-43.2N 080-13.8E.</p> <p>2. Danger zone as follows Zone -1: Circle of 10 NM around launcher Zone-2: 13-30N 080-30E, 13-50N 080-35E, 13-35N 081-35E, 13-15N 081-30E Zone-3: 13-00N 082-10E, 13-30N 082-15E, 13-05N 084-15E, 12-35N 084-10E Zone-4: 12-30N 084-15E, 13-10N 084-25E, 12-55N 085-20E, 12-15N 085-10E Zone-5: 11-25N 088-25E, 12-05N 088-35E, 11-45N 089-35E, 11-05N 089-25E Zone-6: 09-35N 094-50E, 10-30N 095-05E, 10-15N 095-55E, 09-20N 095-40E Zone-7: 18-30S 134-00W, 16-30S 134-00W, 13-00S 112-00W, 08-00S 092-00W, 10-00S 092-00W, 15-00S 112-00W</p> <p>3. Cancel this MSG 121330 UTC Mar 16.</p>																																																																				
<p>162. India West Coast – off Karwar. Charts 216 INT 71. INS Makar progressing side scan survey till 05 Mar 16 in area bounded by 14-40.75N 074-07.35E, 14-40.80N 074-07.41E, 14-35.50N 074-11.58E, 14-35.00N 074-11.58E.</p> <p>2. Wide berth of 03 NM requested.</p> <p>3. Cancel this MSG 051830 UTC Mar 16.</p>																																																																				
<p>163. India East Coast – SE off Kakinada. Charts 31 391 INT 706. Firing by Naval ships scheduled from 080730 - 081230 and 090230 - 090700 UTC Mar 16 in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. Safe flying Ht 8 KM.</p> <p>2. Cancel this MSG 090800 UTC Mar 16.</p>																																																																				
<p>164. NE Indian Ocean. Chart INT 71. Moored buoy Rama adrift 030400 UTC Mar 16 in vicinity 00-58S 088-14E.</p> <p>2. Cancel NAVAREA VIII 154.</p>																																																																				
<p>165. India West Coast. Charts 271 292 INT 71. Rig list correct at 031000 UTC Mar 16.</p> <table border="0"> <tr><td>ABAN ICE</td><td>22-29.58N 068-07.56E</td></tr> <tr><td>ABAN III</td><td>19-29.98N 071-16.28E</td></tr> <tr><td>ABAN IV</td><td>19-30.93N 071-21.44E</td></tr> <tr><td>CE THORNTON</td><td>19-40.10N 072-18.89E</td></tr> <tr><td>DISCOVERY-1</td><td>18-57.12N 072-10.81E</td></tr> <tr><td>DYNAMIC VISION</td><td>22-18.69N 068-34.46E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-01.73N 071-25.58E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-58.31N 071-29.99E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-40.10N 072-13.59E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-19.37N 072-02.07E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E</td></tr> <tr><td>HARVEY H WARD</td><td>18-48.40N 072-20.00E</td></tr> <tr><td>JINDAL STAR</td><td>19-15.26N 071-21.90E</td></tr> <tr><td>JT ANGEL</td><td>22-52.20N 068-28.80E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-01.90N 071-32.57E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-28.98N 071-19.63E</td></tr> <tr><td>PARAMESWARA</td><td>20-04.98N 071-59.67E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-08.72N 072-07.03E</td></tr> <tr><td>SAGAR GAURAV</td><td>20-20.45N 071-15.40E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-39.70N 071-04.71E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-25.14N 071-15.83E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.54N 071-22.35E</td></tr> <tr><td>TRIDENT II</td><td>18-50.59N 072-13.00E NEW</td></tr> <tr><td>TRIDENT XII</td><td>19-34.42N 071-21.88E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>19-26.06N 071-24.26E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-38.13N 071-16.35E</td></tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII 157.</p>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-30.93N 071-21.44E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	18-57.12N 072-10.81E	DYNAMIC VISION	22-18.69N 068-34.46E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-01.73N 071-25.58E	FG MCCLINTOCK	18-58.31N 071-29.99E	GREAT DRILL CHAAYA	18-40.10N 072-13.59E	GREAT DRILL CHETNA	21-37.38N 068-26.55E	GREAT DRILL CHITRA	19-19.37N 072-02.07E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-52.20N 068-28.80E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	19-01.90N 071-32.57E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-28.98N 071-19.63E	PARAMESWARA	20-04.98N 071-59.67E	RON TAPMEYAR	19-08.72N 072-07.03E	SAGAR GAURAV	20-20.45N 071-15.40E	SAGAR SHAKTI	19-39.70N 071-04.71E	SAGAR JYOTI	19-25.14N 071-15.83E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-06.54N 071-22.35E	TRIDENT II	18-50.59N 072-13.00E NEW	TRIDENT XII	19-34.42N 071-21.88E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-38.13N 071-16.35E
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<p>166. Cancel NAVAREA VIII 155 156 162/16 and this MSG.</p>																																																																				
<p>167. Cancel NAVAREA VIII 288 298 567 787 876/15 102 108 110 126 /16 and this MSG. INTM 075(T) 076(T) 077(T) 078(T) 079(T) 080(T) 081(T) refers.</p>																																																																				
<p>168. India West Coast – Arabian Sea. Charts 22 257 293 INT 71. Firing by Naval ships scheduled from 082330-091730 UTC Mar 16 in area bounded by 16-31N 071-21E, 16-31N 071-51E, 17-01N 071-51E, 17-01N 071-21E and 100430-101430 UTC Mar 16 in area bounded by 13-56.20N 074-13.60E, 14-07.20N 074-13.60E, 14-07.20N 074-25.07E, 13-55.20N 074-25.07E.</p> <p>2. Cancel this MSG 101530 UTC Mar 16.</p>																																																																				

169.	India West Coast – Mumbai High. Charts 255 INT 71. HLS 2000 progressing platform installation till 19 Mar in position 19-29.7N 071-22.9E.																																																																				
2.	Cancel NAVAREA VIII 151 and this MSG 191830 UTC Mar 16.																																																																				
170.	India West Coast. Charts 271 292 INT 71. Rig list correct at 041000 UTC Mar 16.																																																																				
	<table> <tr><td>ABAN ICE</td><td>22-29.58N 068-07.56E</td></tr> <tr><td>ABAN III</td><td>19-29.98N 071-16.28E</td></tr> <tr><td>ABAN IV</td><td>19-30.93N 071-21.44E</td></tr> <tr><td>CE THORNTON</td><td>19-40.10N 072-18.89E</td></tr> <tr><td>DISCOVERY-1</td><td>18-57.12N 072-10.81E</td></tr> <tr><td>DYNAMIC VISION</td><td>22-18.69N 068-34.46E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-01.73N 071-25.58E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-58.31N 071-29.99E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-40.10N 072-13.59E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-19.37N 072-02.07E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E</td></tr> <tr><td>HARVEY H WARD</td><td>18-48.40N 072-20.00E</td></tr> <tr><td>JINDAL STAR</td><td>19-15.26N 071-21.90E</td></tr> <tr><td>JT ANGEL</td><td>22-52.20N 068-28.80E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-01.90N 071-32.57E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-28.98N 071-19.63E</td></tr> <tr><td>PARAMESWARA</td><td>20-04.98N 071-59.67E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-08.72N 072-07.03E</td></tr> <tr><td>SAGAR GAURAV</td><td>20-20.45N 071-15.40E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-39.70N 071-04.71E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-25.14N 071-15.83E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.54N 071-22.35E</td></tr> <tr><td>TRIDENT II</td><td>18-50.59N 072-13.00E</td></tr> <tr><td>TRIDENT XII</td><td>19-34.42N 071-21.88E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>19-26.06N 071-24.26E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-33.13N 071-16.35E NEW</td></tr> </table>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-30.93N 071-21.44E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	18-57.12N 072-10.81E	DYNAMIC VISION	22-18.69N 068-34.46E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-01.73N 071-25.58E	FG MCCLINTOCK	18-58.31N 071-29.99E	GREAT DRILL CHAAYA	18-40.10N 072-13.59E	GREAT DRILL CHETNA	21-37.38N 068-26.55E	GREAT DRILL CHITRA	19-19.37N 072-02.07E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-52.20N 068-28.80E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	19-01.90N 071-32.57E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-28.98N 071-19.63E	PARAMESWARA	20-04.98N 071-59.67E	RON TAPMEYAR	19-08.72N 072-07.03E	SAGAR GAURAV	20-20.45N 071-15.40E	SAGAR SHAKTI	19-39.70N 071-04.71E	SAGAR JYOTI	19-25.14N 071-15.83E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-06.54N 071-22.35E	TRIDENT II	18-50.59N 072-13.00E	TRIDENT XII	19-34.42N 071-21.88E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-33.13N 071-16.35E NEW
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2.	Wide berth requested.																																																																				
3.	Cancel NAVAREA VIII 165.																																																																				
171.	Cancel NAVAREA VIII 085 and this MSG.																																																																				
172.	<u>Navarea VIII Warnings in Force as on 04 Mar 16</u>																																																																				
	<u>2015 Series</u> – 124 287 334 386 439 445 486 498 582 616 633 646 672 735																																																																				
	<u>2016 Series</u> – 027 031 062 063 064 107 134 140 144 145 147 150 152 153 158 159 160																																																																				
	161 163 164 168 169 170 171																																																																				
(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 111000 UTC Mar 16.																																																																				
173.	India West Coast – Gulf of Kachchh. Charts 203 INT 71. Salaya channel buoy Dhani (22-37N 069-28E) missing.																																																																				
174.	India East Coast – Bay of Bengal. Charts 32 33 INT 71. Firing by CG aircraft scheduled daily from 07-14 Mar 16 from 0130- 1130 UTC in danger area bounded by 13-30N 082-00E, 14-30N 082-00E, 14-30N 082-40E, 13-30N 082-40E.																																																																				
2.	Safe flying Ht 2 KM.																																																																				
3.	Cancel this MSG 141230 UTC Mar 16.																																																																				
175.	Gulf of Mannar – Mandapam. Charts 358 INT 71. INS Sandhayak progressing hydrographic survey till 20 Mar 16 in area bounded within 09-05.5N TO 09-26.2N AND 079-02.0E TO 079-15.2E (.)																																																																				
2.	Wide berth from ship and survey boat requested.																																																																				
3.	Cancel this MSG 201830 UTC Mar 16.																																																																				
176.	NE Indian Ocean. Chart INT 71. Moored buoy Rama adrift 070500 UTC mar 16 in vicinity 01-02S 087-14E.																																																																				
2.	Cancel Navarea VIII 164.																																																																				
177.	India East Coast – off Gopalpur. Charts 353 INT 706. Army air firing scheduled on 10, 11, 12, 14, 15 Mar 16 from 0130 – 0730 and 0830 - 1230 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c. Safe flying Ht 6.1 KM.																																																																				
2.	Cancel NAVAREA VIII 153 and this MSG 151330 UTC Mar 16.																																																																				
178.	Cancel NAVAREA VIII 144 159 and this MSG.																																																																				

179. India East Coast – NE off Gopalpur. Charts 352 INT 706. RV Samudra Kaustubh progressing survey till 23 Mar in area bounded by 19-39.9N 085-41.5E, 19-37.9N 085-42.1E, 19-39.9N 085-48.35E, 19-42.04N 085-47.7E.
2. Wide berth requested.
3. Cancel this MSG 231830 UTC Mar 16.
180. India East Coast – Bay of Bengal. Charts 31 351 352 354 INT 706. Launch of experimental flight vehicle from ITR scheduled from
(a) 140230-140630 and 150830-150930 UTC Mar 16 in danger zone bounded by 20-48.35N 087-02.59E, 19-26.77N 086-43.12E, 14-53.41N 086-46.39E, 15-01.67N 088-26.75E, 19-31.57N 087-41.54E, 20-48.75N 087-07.41E.
(b) 150530-150830 and 160530-160930 UTC Mar 16 in danger zone bounded by 18-11.84N 085-44.78E, 18-05.27N 089-17.11E, 19-47.78N 089-00.19E, 18-35.59N 085-40.37E.
2. No over flight and shipping permitted in danger zone.
3. Cancel this MSG 161030 UTC Mar 16.
181. Andaman Sea – off Port Cornwallis. Charts 41 402 INT 706. Firing from aircraft scheduled on 15 and 16 Mar 16 from 0330-1030 UTC in danger area bounded by 13-10N 093-10E, 13-20N 093-10E, 13-20N 093-20E, 13-10N 093-20E.
2. Safe flying Ht 5 KM.
3. Cancel this MSG 161130 UTC Mar 16.
182. India West Coast. Charts 271 292 INT 71. Rig list correct at 081000 UTC Mar 16.
ABAN ICE 22-29.58N 068-07.56E
ABAN III 19-29.98N 071-16.28E
ABAN IV 19-30.93N 071-21.44E
CE THORNTON 19-40.10N 072-18.89E
DISCOVERY-1 18-57.12N 072-10.81E
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DEEP SEA FOSSIL 19-17.71N 071-24.33E NEW
FG MCCLINTOCK 18-58.31N 071-29.99E
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VICTORY DRILLER 18-31.95N 072-15.23E
VIRTUE-I 19-26.06N 071-24.26E
VALIANT DRILLER 19-33.13N 071-16.35E
2. Wide berth requested.
3. Cancel NAVAREA VIII 170.
183. NE Indian Ocean. Chart INT 71. Moored buoy Rama adrift 090400 UTC Mar 16 in vicinity 0-38S 086-22E.
2. Cancel NAVAREA VIII 176.
184. South -East Arabian Sea. Charts 22 INT 71. SLFV Tharusha Putha adrift 07-55N 070-23E at 091330 UTC Mar.
2. Cancel this MSG 121000 UTC Mar 16.
185. Bay of Bengal – off Myanmar. Charts 371 INT 706. MV Furgo Supporter progressing 3d survey till 14 Apr 16 in area bounded by 19-00N 092-09E, 19-00N 093-16E, 18-15N 093-57E, 18-15N 092-09E.
2. Clearance of 4 KM from area requested.
3. Cancel this MSG 141830 UTC Apr 16.
186. Bay of Bengal – off Myanmar. Charts 371 INT 706. MV Polarcus Naila progressing 3D survey till 30 Apr 16 in area bounded by 20-13.03N 092-00.27E, 20-05.27N 092-09.73E, 19-57.32N 092-01.71E, 20-00.11N 091-56.93E, 19-42.01N 91-43.42E, 19-35.97N 91-47.06E, 19-36.00N 91-31.43E, 20-03.47N 091-50.67E.
2. Clearance of 4 KM from area requested.
3. Cancel this MSG 301830 UTC Apr 16.

<p>187. India West Coast – off Trivandrum. Charts 22 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 16 Mar 16 from 1130-1330 UTC.</p> <p>2. Danger zone</p> <p>(a) Sector of radius 05 NM from Thumba between azimuth 190 and 300.</p> <p>(b) Sector of radii 45 and 75 NM from Thumba between azimuth 220 and 260.</p> <p>3. Cancel this MSG 161430 UTC Mar 16.</p>																																																																		
<p>188. India West Coast – off Gulf of Kachchh. Charts 21 INT 71. SV Boa Thalassa progressing EM survey till 07 Apr in area bounded by 22-50.6N 068-15.1E, 22-50.8N 068-19.1E, 22-28.1N 068-28.6E, 22-35.4N 068-28.8E, 22-35.4N 068-30.0E, 22-25.4N 068-29.7E, 22-09.8N 068-36.2E, 22-10.2N 068-32.0E, 22-16.5N 068-29.3E, 21-33.9N 068-27.8E, 21-38.1N 069-01.2E, 21-32.1N 069-02.0E, 21-27.8N 068-27.6E, 21-15.3N 068-27.1E, 21-15.2N 068-25.9E, 21-27.7N 068-26.4E, 21-25.5N 068-09.1E, 21-31.4N 068-08.2E, 21-33.7N 068-26.6E, 22-19.1N 068-28.3E.</p> <p>2. Vessel deploying seabed nodes 1 KM apart and towing cable of 2 KM with tail buoy.</p> <p>3. Wide berth of 2 NM around vessel requested.</p> <p>4. Cancel this MSG 071830 UTC Apr 16.</p>																																																																		
<p>189. India West Coast – off ODA. Charts 255 INT 71. Cable ship Asean Reporter progressing submarine cable repair using ROV till 16 Mar in vicinity of 18-31.2N 071-56.5E.</p> <p>2. Wide berth of 1 NM around vessel requested.</p> <p>3. Cancel this MSG 161830 UTC Mar 16.</p>																																																																		
<p>190. India East Coast – Bay of Bengal. Charts 391 INT 706. Rig list correct at 101005 UTC Mar16.</p> <table> <tr> <td>ABAN II</td> <td>16-23.24N 082-01.39E</td> </tr> <tr> <td>MPW RIG 805</td> <td>16-40.12N 082-25.68E</td> </tr> <tr> <td>SAGAR RATNA</td> <td>15-21.91N 080-31.92E NEW</td> </tr> <tr> <td>SAGAR BHUSAN</td> <td>16-31.49N 082-23.61E</td> </tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII 062.</p>	ABAN II	16-23.24N 082-01.39E	MPW RIG 805	16-40.12N 082-25.68E	SAGAR RATNA	15-21.91N 080-31.92E NEW	SAGAR BHUSAN	16-31.49N 082-23.61E																																																										
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<p>191. India West Coast. Charts 271 292 INT 71. Rig list correct at 101006 UTC Mar 16.</p> <table> <tr> <td>ABAN ICE</td> <td>22-29.58N 068-07.56E</td> </tr> <tr> <td>ABAN III</td> <td>19-29.98N 071-16.28E</td> </tr> <tr> <td>ABAN IV</td> <td>19-30.93N 071-21.44E</td> </tr> <tr> <td>CE THORNTON</td> <td>19-40.10N 072-18.89E</td> </tr> <tr> <td>DISCOVERY-1</td> <td>18-57.12N 072-10.81E</td> </tr> <tr> <td>DYNAMIC VISION</td> <td>22-18.69N 068-34.46E</td> </tr> <tr> <td>DEEP SEA FORTUNE</td> <td>19-40.14N 072-00.34E</td> </tr> <tr> <td>DEEP SEA FOSSIL</td> <td>19-17.71N 071-24.33E</td> </tr> <tr> <td>FG MCCLINTOCK</td> <td>18-58.31N 071-29.99E</td> </tr> <tr> <td>GREAT DRILL CHAAYA</td> <td>18-38.79N 072-14.94E</td> </tr> <tr> <td>GREAT DRILL CHETNA</td> <td>21-37.38N 068-26.55E</td> </tr> <tr> <td>GREAT DRILL CHAARU</td> <td>20-07.04N 071-49.35E</td> </tr> <tr> <td>HARVEY H WARD</td> <td>18-48.40N 072-20.00E</td> </tr> <tr> <td>JINDAL STAR</td> <td>19-15.26N 071-21.90E</td> </tr> <tr> <td>JT ANGEL</td> <td>22-52.20N 068-28.80E</td> </tr> <tr> <td>MERCURY FOCUS</td> <td>21-18.12N 072-31.64E</td> </tr> <tr> <td>NOBLE ED HOLT</td> <td>19-01.90N 071-32.57E</td> </tr> <tr> <td>PARAGON L-786</td> <td>19-29.88N 071-24.70E</td> </tr> <tr> <td>PARAGON M 1161</td> <td>19-28.98N 071-19.63E</td> </tr> <tr> <td>PARAMESWARA</td> <td>20-04.98N 071-59.67E</td> </tr> <tr> <td>RON TAPMEYAR</td> <td>19-08.72N 072-07.03E</td> </tr> <tr> <td>SAGAR GAURAV</td> <td>20-20.45N 071-15.40E</td> </tr> <tr> <td>SAGAR SHAKTI</td> <td>19-39.70N 071-04.71E</td> </tr> <tr> <td>SAGAR JYOTI</td> <td>19-07.74N 072-02.61E</td> </tr> <tr> <td>SAGAR KIRAN</td> <td>18-44.50N 072-19.63E</td> </tr> <tr> <td>SAGAR LAXMI</td> <td>20-58.00N 071-33.00E</td> </tr> <tr> <td>SAGAR PRAGATI</td> <td>20-58.00N 071-33.00E</td> </tr> <tr> <td>SAGAR UDAY</td> <td>19-06.54N 071-22.35E</td> </tr> <tr> <td>TRIDENT II</td> <td>18-50.59N 072-13.00E</td> </tr> <tr> <td>TRIDENT XII</td> <td>19-34.42N 071-21.88E</td> </tr> <tr> <td>VICTORY DRILLER</td> <td>18-31.95N 072-15.23E</td> </tr> <tr> <td>VIRTUE-I</td> <td>19-26.06N 071-24.26E</td> </tr> <tr> <td>VALIANT DRILLER</td> <td>19-33.13N 071-16.35E</td> </tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII 182.</p>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-30.93N 071-21.44E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	18-57.12N 072-10.81E	DYNAMIC VISION	22-18.69N 068-34.46E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-17.71N 071-24.33E	FG MCCLINTOCK	18-58.31N 071-29.99E	GREAT DRILL CHAAYA	18-38.79N 072-14.94E	GREAT DRILL CHETNA	21-37.38N 068-26.55E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-52.20N 068-28.80E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	19-01.90N 071-32.57E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-28.98N 071-19.63E	PARAMESWARA	20-04.98N 071-59.67E	RON TAPMEYAR	19-08.72N 072-07.03E	SAGAR GAURAV	20-20.45N 071-15.40E	SAGAR SHAKTI	19-39.70N 071-04.71E	SAGAR JYOTI	19-07.74N 072-02.61E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-06.54N 071-22.35E	TRIDENT II	18-50.59N 072-13.00E	TRIDENT XII	19-34.42N 071-21.88E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-33.13N 071-16.35E
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<p>192. Bay of Bengal – off Myanmar. Charts 371 INT 706. SV Dong Fang Kan Tan progressing seismic survey from 12-30 Mar 16 in area bounded by 17-02.24N 093-46.51E, 17-02.17N 094-02.62E, 16-41.10N 094-12.33E, 16-00.31N 094-05.51E, 15-42.48N, 093-58.52E, 15-42.51N 093-53.08E, 15-56.30N 093-49.14E, 15-56.26N 092-02.23E, 16-49.64N 092-02.08E, 16-49.69N 093-46.45E.</p> <p>2. Clearance of 4 KM from area requested.</p> <p>3. Cancel this MSG 301830 UTC Mar 16.</p>																																																																		

<p>193. Andaman Sea – off South Andaman. Charts 473 INT 71. Firing practice scheduled daily from 17-18 Mar 16 from 0430-0930 UTC in danger area bounded by 11-50N 093-40E, 11-50N 094-20E, 12-00N 093-40E, 12-00N 094-20E. Safe flying Ht 5 KM.</p> <p>2. Cancel this MSG 181030 UTC Mar 16.</p>																																																																		
<p>194. India West Coast. Charts 271 292 INT 71. Rig list correct at 111003 UTC Mar 16.</p> <table border="0"> <tr><td>ABAN ICE</td><td>22-29.58N 068-07.56E</td></tr> <tr><td>ABAN III</td><td>19-29.98N 071-16.28E</td></tr> <tr><td>ABAN IV</td><td>19-30.93N 071-21.44E</td></tr> <tr><td>CE THORNTON</td><td>19-40.10N 072-18.89E</td></tr> <tr><td>DISCOVERY-1</td><td>18-57.12N 072-10.81E</td></tr> <tr><td>DYNAMIC VISION</td><td>22-18.69N 068-34.46E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-17.71N 071-24.33E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-58.31N 071-29.99E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-38.79N 072-14.94E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E</td></tr> <tr><td>HARVEY H WARD</td><td>18-48.40N 072-20.00E</td></tr> <tr><td>JINDAL STAR</td><td>19-15.26N 071-21.90E</td></tr> <tr><td>JT ANGEL</td><td>22-52.20N 068-28.80E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-01.90N 071-32.57E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-28.98N 071-19.63E</td></tr> <tr><td>PARAMESWARA</td><td>20-04.98N 071-59.67E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-08.72N 072-07.03E</td></tr> <tr><td>SAGAR GAURAV</td><td>20-20.45N 071-15.40E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-37.86N 071-23.28E NEW</td></tr> <tr><td>SAGAR JYOTI</td><td>19-07.74N 072-02.61E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.54N 071-22.35E</td></tr> <tr><td>TRIDENT II</td><td>18-50.59N 072-13.00E</td></tr> <tr><td>TRIDENT XII</td><td>19-34.42N 071-21.88E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>19-26.06N 071-24.26E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-33.13N 071-16.35E</td></tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII 191.</p>	ABAN ICE	22-29.58N 068-07.56E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-30.93N 071-21.44E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	18-57.12N 072-10.81E	DYNAMIC VISION	22-18.69N 068-34.46E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-17.71N 071-24.33E	FG MCCLINTOCK	18-58.31N 071-29.99E	GREAT DRILL CHAAYA	18-38.79N 072-14.94E	GREAT DRILL CHETNA	21-37.38N 068-26.55E	GREAT DRILL CHAARU	20-07.04N 071-49.35E	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-52.20N 068-28.80E	MERCURY FOCUS	21-18.12N 072-31.64E	NOBLE ED HOLT	19-01.90N 071-32.57E	PARAGON L-786	19-29.88N 071-24.70E	PARAGON M 1161	19-28.98N 071-19.63E	PARAMESWARA	20-04.98N 071-59.67E	RON TAPMEYAR	19-08.72N 072-07.03E	SAGAR GAURAV	20-20.45N 071-15.40E	SAGAR SHAKTI	19-37.86N 071-23.28E NEW	SAGAR JYOTI	19-07.74N 072-02.61E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-06.54N 071-22.35E	TRIDENT II	18-50.59N 072-13.00E	TRIDENT XII	19-34.42N 071-21.88E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-33.13N 071-16.35E
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<p>195. India West Coast – off Mumbai. Charts 255 INT 71. SV Greatship Roopa progressing submarine pipeline survey using ROV till 10 Apr 16 in areas bounded by (a) 19-42.6N 070-56.5E, 19-39.6N 071-34.6E, 19-02.3N 071-33.8E, 19-05.7N 070-56.1E (b) 19-08.4N 071-51.7E, 19-12.9N 072-07E, 19-05.8N 072-18E, 18-45.4N 072-00.1E, 18-53.3N 071-49.3E (c) 18-55.7N 072-09.3E, 18-56.3N 072-21.1E, 18-29N 072-24.5E, 18-27.9N 072-12.7E and in vicinity of line joining 18-47.6N 072-40.9E, 18-57.4N 072-31.8E, 19-18.1N 071-59E, 19-24.5N 071-33.7E.</p> <p>2. Wide berth requested.</p>																																																																		
<p>196. Cancel NAVAREA VIII 161 183 184 and this MSG.</p>																																																																		
<p>197. NAVAREA VIII Warnings in Force as on 11 Mar16</p> <p>2015 Series – 124 287 334 386 439 445 486 498 582 616 633 646 672 735</p> <p>2016 Series – 027 031 063 064 107 134 140 145 147 150 152 158 169 173 174 175 177 179 180 181 185 186 187 188 189 190 192 193 194 195 196</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.nic.in.</p> <p>(c) Cancel this MSG 181000 UTC Mar 16.</p>																																																																		
<p>198. Central Andaman Sea. Charts 41 INT 706. SV Polarcus Asima progressing till 30 Apr 16 cable transfer and 3D seismic survey in area bounded by 13-43.03N 095-48.84E, 13-43.03N 095-53.28E, 10-55.70N 096-05.82E, 10-55.70N 096-01.43E AND 10-29.55N, 095-32.24E, 11-03.06N 096-05.14E, 10-50.22N 096-19.06E, 10-16.02N 095-46.41E.</p> <p>2. Clearance of 4 KM from area requested.</p> <p>3. Cancel this MSG 301830 UTC Apr 16.</p>																																																																		
<p>199. India East Coast – Bay of Bengal. Charts 31 351 352 354 INT 706. Launch of experimental flight vehicle from ITR scheduled from 150530-150830 and 160530-160930 UTC Mar 16 in danger zone bounded by 18-11.84N 085-44.78E, 18-05.27N 089-17.11E, 19-47.78N 089-00.19E, 18-35.59N 085-40.37E.</p> <p>2. No over flight and shipping permitted in danger zone.</p> <p>3. Cancel NAVAREA VIII 180 and this MSG 161030 UTC Mar 16.</p>																																																																		

200. India East Coast – off Dhamra. Charts 351 INT 706. INS Nirupak progressing hydrographic survey till 23 Mar 16 in area bounded within 20-56N TO 21-11.5N, 087-04E TO 087-17E.

2. Wide berth of 2 NM requested

3. Cancel this MSG 231830 UTC Mar 16.

201. Cancel NAVAREA VIII 199 and this MSG.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West coast of India Pilot (INP-1)
Chapter-2 (Page-93)

Article 2.301, para 1,
Delete and replace by

24 hours notice of ETA is required and confirmation to be intimated 2 hours before arrival.

Article 2.302, para 1,
Delete and replace by

Pilotage is compulsory for all vessels over 120 gt.. Pilots board in position **04°16'.00N 073°34'.00E**

(Source: BA 08/16)

(06/16)

Bay of Bengal Pilot (INP-2)
Chapter -6 (Page – 215)

(Source: Myanmar Naval Hydrographic Centre)

Article 6.31, para 3,
Insert after Sl.No.13,

14 16°11'.90 N 96°19'.57 E

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7295.041	Deleted; remove from list						
D7295.043	Deleted; remove from list						
D7295.044	Deleted; remove from list						
D7295.045	Deleted; remove from list						
D7295.046	Deleted; remove from list						
D9165.8	- STPM 1	26 39.07 N 51 34.92 E	Mo(U)W 30s *	..	10	Platform	
F1202.22	Barkeley Beacon	13 16.85 N 93 02.87 E	Fl W 5s *				
K0820.4	- Ldg Lts 314°30'. Front	49 21.10 S 70 04.80 E *	Q W *	5	12	Black on white beacon	
K0820.41	-- Rear. 393m from Front	49 21.00 S 70 04.50 E *	Q W *	20	12	Black ▽ on white beacon	
K0972-81	-- No 4	00 55-12 S 104 04-90 E	Fl Y 4s *	10	10	Yellow × on yellow beacon 7 *	fl 0.5 Ra refl. *
K0972-82	-- No 5	00 55-10 S 104 05-02 E	Fl Y 3s *	10	10	Yellow × on yellow beacon 7 *	fl 0.7 Ra refl. *
K0972-83	-- No 6	00 55-13 S 104 05-09 E	Fl Y 3s *	10	10	Yellow × on yellow beacon 7 *	fl 0.5 Ra refl. *
K0972-84	--	00 55-09 S 104 04-94 E	Fl W 5s *	10	10	White beacon 7 *	fl 0.5 Ra refl. *
K0972-85	- FSO Petrostar	00 55-09 S 104 04-14 E	Fl W 5s *	10	10	White beacon 7 *	fl 0.5 Ra refl. *
K0972-86	-- No 1	00 55-11 S 104 04-10 E	Fl Y 4s *	10	10	Yellow × on yellow beacon 7 *	fl 0.5 Ra refl. *
K0972-87	-- No 2	00 55-13 S 104 04-21 E	Fl Y 3s *	10	10	Yellow × on yellow beacon 7 *	fl 0.7 Ra refl. *
K0972-88	-- No 3	00 55-11 S 104 04-26 E	Fl Y 3s *	10	10	Yellow × on yellow beacon 7 *	fl 0.5 Ra refl. *

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 04 dated 16 Feb 2016)

NIL

INP 31(2), 2014

(Last correction: Edition No. 03 dated 01 Feb 2016)

NIL

INP 31(5), 2011

(Last correction: Edition No. 16 dated 16 Aug 2015)

NIL

INP 31(6), 2012

(Last correction: Edition No. 05 dated 01 Mar 2016)

PAGE 117, MALDIVES, MALE, Pilots and Port, PROCEDURE :

Delete para 1 and replace by,

(1) **Pilotage is compulsory** for all vessels over 120 gt.

Delete para 3 and replace by,

(3) **Pilot boards** in position 04° 16'.00N 73° 34'.00E.

(Source: BA 08/16)

(06/16)

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.

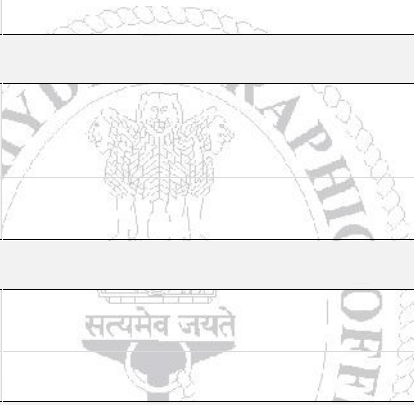
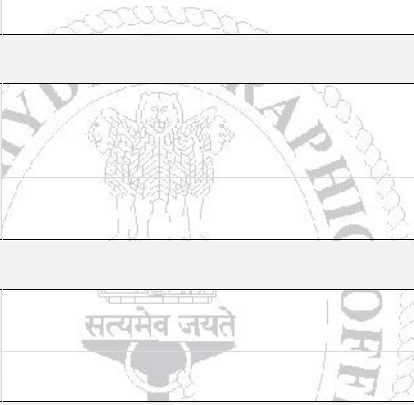
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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

To accompany Indian Notice to Mariners 086/16

Chart 3002 (INT 7410)

OMISSION OF CERTAIN NAVIGATIONAL AIDS

Certain light, beacons, buoys and wrecks have been omitted from this chart; for details of these, the larger scale chart and the List of Lights should be consulted.



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