



INDIAN NOTICES TO MARINERS



EDITION NO. 17 DATED 01 SEP 2012

(CONTAINS NOTICES 214 TO 225)

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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**



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 overloading 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 most 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 Chart that is available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
3028 (INT 7404)	31-07-2012	PORTS OF ENNORE Limits 13° 11'.00N; 80° 19'.35E. 13° 17'.60N; 80° 24'.00E.	12,500	5	Rs. 1870.00

Note: On publication of New Chart 3028 (INT 7404) former INTM 059(P)/(02/12) is cancelled.

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
215	31-07-2012	BETUL TO BELEKERI Limits 14° 30'.00N; 72° 59'.00E. 15° 22'.50N; 74° 22'.00E.	150,000	3	Rs. 1870.00

3. The Indian Charts permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
215	15-04-2006	BETUL TO BELEKERI	215	31-07-2012
3028	30-06-2001	PORTS OF ENNORE	3028	31-07-2012

4. The new Indian Electronic Navigational Chart that is 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>
IN63028E.000	3028	PORTS OF ENNORE	29-08-2012

5. The new edition Indian Electronic Navigational Charts that is 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>
IN43009K.000	3009	APPROACHES TO KAKINADA	17-08-2012
IN53009K.000	3009	KAKINADA ANCHORAGE	17-08-2012
IN42044G.000	2044	GULF OF KHAMBHAT (CAMBAY) SOUTHERN PORTION	31-08-2012

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6. The Indian Electronic Navigation Charts permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43009K.000	3009	APPROACHES TO KAKINADA	01-05-2005
IN53009K.000	3009	KAKINADA ANCHORAGE	01-05-2005
IN42044G.000	2044	GULF OF KHAMBHAT (CAMBAY) SOUTHERN PORTION	14-10-2004
IN53028E.000	3028	PORT OF ENNORE	14-10-2004

7. The newly published Indian nautical publication is as follows:-

<i>Title of Publication</i>	<i>Edition</i>
Notices to Mariners - Special Edition	2012

8. The forthcoming Indian Charts are as follows:-

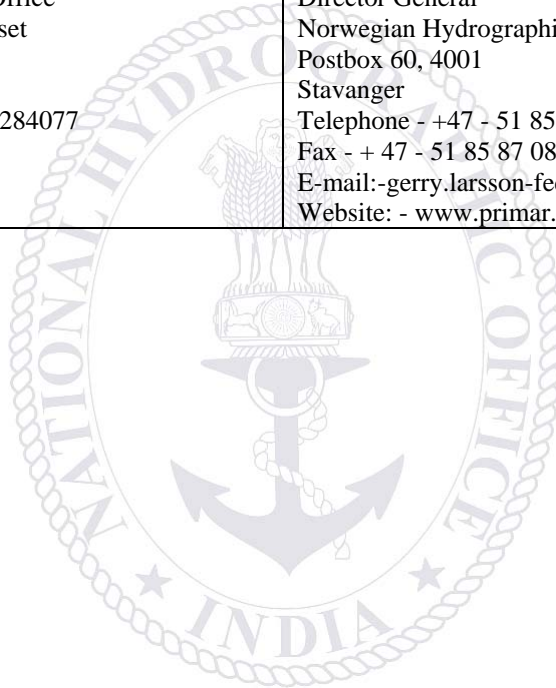
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
206	VERAVAL TO DIU HEAD	150,000	New Edition
251 (INT 7318)	SIR CREEK TO DWARKA	300,000	New Edition
2045 (INT 7360)	PORT OF KOCHI	7,500	New Edition
2004 (INT 7359)	KOCHI HARBOUR	25,000	New Edition
2029 (INT 7358)	APPROACHES TO KOCHI	60,000	New Edition
391	CHENNAI TO KALINGAPATNAM	75,000	New Edition
252 (INT 7325)	OKHA TO VERAVAL	300,000	New Edition

VII

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:

<p>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Uttarakhand, India Tele: +91-135- 2747365, Fax: +91-135-2748373 Email: inho-navy@nic.in msis-inho-navy@nic.in sales-inho-navy@nic.in Website: www.hydrobharat.nic.in</p>	<p>Director, M/s JEPPESEN Norway AS PO Box 212 N-4379 Egersund Norway Tel: +47-51- 464 700 Fax: +47-51-464 701 Mob : +91-9322 238 542 Email: enc@jeppesen.com, info@c-map.co.in Website: www.jeppesen.com</p>
<p>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 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>



SECTION – I

The lists of charts affected by the Notices 214 to 225 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	222
22 (INT 752)	3	222
31	5	225 (P)
203 (INT 7319)	2	216
211	3	214
255 (INT 7334)	3	214, 222
292 (INT 7021)	2	222
293 (INT 7022)	3	222
313	5	217
321	7	225 (P)
322	7	225 (P)
351 (INT 7419)	5	218
356 (INT 7400)	5	217
357 (INT 7397)	5	217
371	7	225 (P)
2036	3	215
2060	2	216
2068	2	216
2092	1	219, 220
3001 (INT 7402)	5	217
3004 (INT 7403)	5	217
3017	5	218
3020	7	225 (P)
3038	5	218
7702 (INT 702)	1	223
7703 (INT 703)	1	223
7707 (INT 707)	1	223
8004	1	221

SECTION – II
PERMANENT NOTICES

***214/(17/12) INDIA – WEST COAST – Approaches to Mumbai – Platforms. Pipelines. Legend.**

Source: DG Shipping.

Chart 255 (INT 7334) [previous update 122/12]

Insert

 B- 172-A 19° 00'·58N.,72° 11'·98E.

 B- 178-A 19° 00'·43N.,72° 09'·11E.

 B- 179-A 18° 57'·07N.,72° 10'·85E.

 B-193-A-P 18° 55'·54N.,72° 02'·52E.

—••••• from platform B-179A to B-178-A 18° 57'·05N.,72° 10'·83E.

18° 57'·06N.,72° 10'·42E.

18° 57'·73N.,72° 09'·59E.

19° 00'·41N.,72° 09'·11E.

and

—••••• from platform B-28-A-A to B-193-A-P 18° 47'·40N.,72° 00'·05E. (Platform B-28-A-A)

18° 47'·38N.,72° 00'·46E.

18° 47'·90N.,72° 01'·16E.

18° 54'·67N.,72° 02'·63E.

18° 55'·07N.,72° 02'·62E.

18° 55'·54N.,72° 02'·52E.

and

—••••• from platform B-193-AP to SL-6 18° 55'·57N.,72° 02'·47E.

18° 55'·80N.,72° 02'·38E.

18° 56'·19N.,72° 01'·15E.

18° 51'·25N.,71° 52'·36E.

18° 51'·24N.,71° 52'·36E. (Pipeline SL - 6)

and

—••••• from platform B23-A-A to B-193-A-P 18° 54'·68N.,71° 49'·62E. (Platform B-23-A-A)

18° 54'·67N.,71° 50'·23E.

18° 56'·34N.,72° 01'·46E.

18° 55'·83N.,72° 02'·39E.

18° 55'·57N.,72° 02'·50E.

and

—••••• from platform B172-A to B-178-A 19° 00'·59N.,72° 11'·95E.

19° 00'·32N.,72° 10'·73E.

19° 00'·31N.,72° 10'·46E.

19° 00'·42N.,72° 09'·13E.

—••••• from platform B-178-A to B-193-A-P 19° 00'·42N.,72° 09'·08E.

18° 56'·55N.,72° 07'·37E.

18° 55'·99N.,72° 06'·60E.

18° 55'·48N.,72° 02'·53E.

—••••• from platform B-193-A-P to BCP-B 18° 55'·85N.,72° 04'·11E.

18° 56'·74N.,72° 03'·88E.

19° 06'·80N.,72° 07'·97E.

***214/(17/12) INDIA – WEST COAST – Approaches to Mumbai – Platforms. Pipelines. Legend. Continued.**

19° 07′.05N., 72° 07′.04E.

19° 08′.62N., 72° 07′.05E.

19° 08′.62N., 72° 07′.03E. (Platform BCP-B)

Legend, “Gas (See Note)”, between:

18° 54′.68N., 71° 49′.62E.

18° 56′.00N., 72° 02′.00E.

Legend, “Oil & Gas (See Note)”, between:

18° 47′.40N., 72° 00′.05E.

18° 55′.51N., 72° 02′.51E.

and

18° 56′.00N., 72° 01′.25E.

18° 51′.24N., 71° 52′.36E.

and

19° 00′.00N., 72° 09′.00E.

18° 55′.50N., 72° 02′.50E.


and


18° 56′.50N., 72° 03′.50E.


19° 07′.00N., 72° 08′.00E.

Chart 211 [previous update 131/12]

Insert

 B- 172-A

 B- 178-A

 B- 179-A

 from platform B-179 to B-178-A

 from platform B-172-A to B-178-A

 from platform B-178-A to west border

Legend, “Oil & Gas”, centered on:

19° 00′.63N., 72° 11′.95E.

19° 00′.48N., 72° 09′.08E.

18° 57′.12N., 72° 10′.82E.

18° 57′.10N., 72° 10′.79E.

18° 57′.11N., 72° 10′.39E.

18° 57′.78N., 72° 09′.56E.

19° 00′.46N., 72° 09′.08E.

and

19° 00′.64N., 72° 11′.92E.

19° 00′.37N., 72° 10′.70E.

19° 00′.36N., 72° 10′.43E.

19° 00′.47N., 72° 09′.10E.

and

19° 00′.47N., 72° 09′.10E.

18° 58′.30N., 72° 08′.00E. (W border)

18° 58′.60N., 72° 09′.40E.

19° 00′.50N., 72° 10′.00E.

***215/(17/12) INDIA – WEST COAST – Dighi Harbour and Approaches – Buoy.**

Source: Dighi Port limited.

Chart 2036 [previous update 203/12]

Amend Fairway buoy light to, Fl(3).10s5M

18° 17′.40N., 72° 49′.25E.

***216/(17/12) INDIA – WEST COAST – Gulf of Kachchh – Wreck. Depth.**

Source: Kandla port trust.

Chart 203 (INT 7319) [previous update 201/12]Insert  22° 27′.07N., 69° 40′.11E.

Delete depth 26 22° 27′.08N., 69° 40′.03E.

Chart 2068 [previous update 201/12]Insert  22° 27′.07N., 69° 40′.11E.

Delete depth 26 22° 27′.08N., 69° 40′.03E.

Chart 2060 [previous update 197/12]Insert  22° 27′.11N., 69° 40′.10E.**Chart 2060 (Plan)** [previous update 197/12]

22° 27′.11N., 69° 40′.10E.

***217/(17/12) INDIA – EAST COAST – Chennai Harbour – Light.**

Source: DLL Chennai.

Chart 313 [previous update 181/12]

Amend Breakwater light to, Fl.(2)R.6s13m14M 13° 06′.44N., 80° 18′.60E.

Chart 357 (INT 7397) [previous update 098/12]

Amend Breakwater light to, Fl.(2)R.6s13m14M 13° 06′.44N., 80° 18′.60E.

Chart 356 (INT 7400) [previous update 098/12]

Amend Breakwater light to, Fl.(2)R.6s13m14M 13° 06′.44N., 80° 18′.60E.

Chart 3001 (INT 7402) [previous update 273/11]

Amend Breakwater light to, Fl.(2)R.6s13m14M 13° 06′.44N., 80° 18′.60E.

Chart 3004 (INT 7403) [previous update 091/12]

Amend Breakwater light to, Fl.(2)R.6s13m14M 13° 06′.44N., 80° 18′.60E.

***218/(17/12) INDIA – EAST COAST – Approaches to Dhamra Port – Buoy.**

Source: Dhamra Port Ltd.

Chart 3038 [NC 31 Dec 11]Move  Mo(A)8s from: 20° 55′.46N, 87° 07′.12E.

Racon (D) to: 20° 55′.37N, 87° 07′.06E.

Chart 3017 [previous update 071/12]Move  Mo(A)8s from: 20° 55′.41N, 87° 07′.25E.

Racon (D) to: 20° 55′.32N, 87° 07′.19E.

Chart 351 (INT 7419) [previous update 072/12]Move  Mo(A)8s from: 20° 55′.46N, 87° 07′.12E.

Racon (D) to: 20° 55′.37N, 87° 07′.06E.

219/(17/12) UNITED ARAB EMIRATES – Approaches to Khawr Fakkan and Fujayrah – Light.


Source: BA Notice 3539/12.

Chart 2092(Plan A) [previous update 196/12]Insert  Fl(2).10s10M, 25° 21′.74N., 56° 22′.19E**Chart 2092(Plan C)** [previous update 196/12]Insert  Fl(2).10s10M, 25° 21′.74N., 56° 22′.19E

220/(17/12) UNITED ARAB EMIRATES – Approaches to Khawr Fakkan and Fujayrah – Submarine cable.

Source: BA Notice 3686/12.

Chart 2092 (Plan C) [previous update 219/12]

Insert submarine cable, , joining: 25° 08'·39N., 56° 31'·55E.
 (existing submarine cable area)
 25° 08'·50N., 56° 35'·42E.
 25° 08'·55N., 56° 36'·00E (E Border).

221/(17/12) UNITED ARAB EMIRATES – Jask to Dubayy and Jazireh-Ye Qeshm – Buoy.

Source: BA Notice 3533/12.

Chart 8004 [previous update 189/12]

Move  LFl.10s, from: 25° 49'·99N., 55° 54'·06E.
 to: 25° 50'·40N., 55° 55'·84E.

222/(17/12) INDIA – WEST COAST – Approaches to Mumbai – Submarine cable.

Source: BA Notice 3810/12.

Chart 21 [previous update 209/12] WGS 1984 DATUM

Insert submarine cable, , joining: 18° 54'·90N., 71° 45'·60E.
 (existing cable area)
 18° 52'·30N., 70° 52'·70E.
 18° 41'·30N., 70° 17'·90E.

Chart 22(INT 752) [previous update 128/12] WGS 1984 DATUM

Insert submarine cable, , joining: 18° 54'·90N., 71° 45'·60E.
 (existing cable area)
 18° 52'·30N., 70° 52'·70E.
 18° 41'·30N., 70° 17'·90E.

Chart 292(INT 7021) [previous update 173/12] WGS 1984 DATUM

Insert submarine cable, , joining: 18° 55'·60N., 71° 47'·30E.
 (existing cable area)
 18° 54'·90N., 71° 45'·70E.
 18° 52'·30N., 70° 52'·70E.
 18° 41'·00N., 70° 17'·70E.

Chart 293(INT 7022) [previous update 134/12] WGS 1984 DATUM



Insert submarine cable, , joining: 18° 55'·60N., 71° 47'·30E.
 (existing cable area)
 18° 54'·90N., 71° 45'·70E.
 18° 52'·30N., 70° 52'·70E.
 18° 42'·00N., 70° 20'·70E. (W Border)

Chart 255(INT 7334) [previous update 214/12]

Insert submarine cable, , joining: 18° 58'·40N., 72° 23'·60E.
 (existing cable area)
 18° 57'·80N., 72° 20'·40E.
 18° 58'·40N., 72° 19'·60E.
 18° 58'·20N., 72° 16'·30E.
 18° 57'·20N., 72° 15'·50E.
 18° 55'·90N., 71° 48'·20E.
 18° 54'·90N., 71° 45'·70E.
 18° 52'·30N., 70° 52'·70E.
 18° 41'·00N., 70° 17'·00E. (W Border)

223/(17/12) INDIAN OCEAN – Chagos Archipelago – Legend. Cautionary Note.

Source: BA Notice 3207/12.

Chart 7702 (INT 702) [previous update 393/09]

Insert legend, *Marine Protected Reserve* (see Note), between: 04° 55′·00S., 70° 15′·00E.
06° 25′·00S., 70° 15′·00E.

the accompanying note, MARINE PROTECTED RESERVE, centered on: 18° 00′·00S., 48° 00′·00E.

Chart 7703 (INT 703) [previous update 135/11]

Insert legend, *Marine Protected Reserve* (see Note), between: 04° 53′·00S., 70° 52′·50E.
07° 01′·00S., 70° 52′·50E.

the accompanying note, MARINE PROTECTED RESERVE, centered on: 07° 30′·00N., 47° 39′·00E.

Chart 7707 (INT 707) [previous update 210/12]

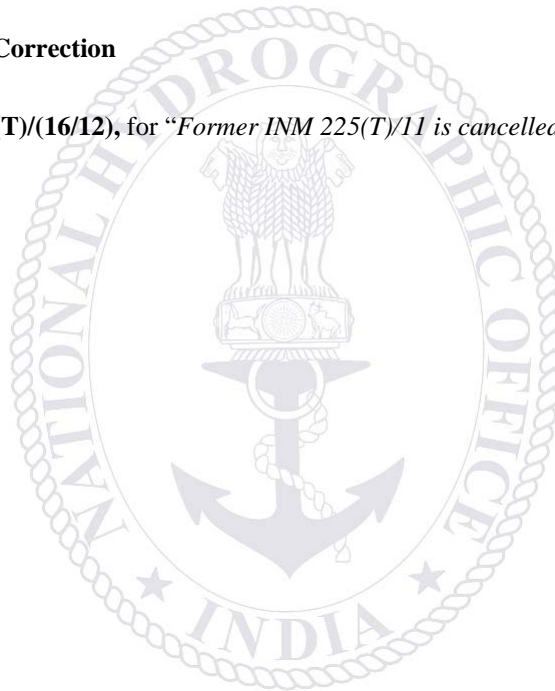
Insert legend, *Marine Protected Reserve* (see Note), between: 05° 50′·00S., 74° 16′·00E.
07° 02′·00S., 74° 16′·00E.

the accompanying note, MARINE PROTECTED RESERVE, centered on: 03° 30′·00S., 103°35′·00E.

***224/(17/12) Miscellaneous Correction**

Source: NHO Dehradun.

Amend *Refer INM 211(T)/(16/12)*, for “*Former INM 225(T)/11 is cancelled.*” Read “*Former INM 151(T)/12 is cancelled.*”



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***225(P)/(17/12) BAY OF BENGAL- MYANMAR COAST – Combermere Bay to Cheduba Strait – Platform. Pipeline.**

Source: Myanmar Naval Hydrographic Centre.

1. Work is in progress for development of Shwe and Mya gas fields in the following areas:-

(a) Centre points of Gas fields established at following positions:

Point	Latitude	Longitude
SHP	19° 40′.43N.,	92° 32′.59E. (SHWE)
MNM	19° 34′.79N.,	92° 35′.08E. (MYA NORTH)

(b) Gas pipeline is being laid at the following positions:

(i) Between MNM and SHP

Point	Latitude	Longitude
MNM	19° 34′.79N.,	92° 35′.08E.
SP	19° 34′.82N.,	92° 35′.07E.
CP1	19° 35′.13N.,	92° 35′.31E.
IP1	19° 35′.57N.,	92° 35′.64E.
TP1	19° 36′.08N.,	92° 35′.47E.
CP2	19° 39′.14N.,	92° 34′.48E.
IP2	19° 39′.76N.,	92° 34′.28E.
TP2	19° 40′.00N.,	92° 33′.66E.
EP	19° 40′.41N.,	92° 32′.60E.
SHP	19° 40′.43N.,	92° 32′.59E.

(ii) Between SHP and Land fall Point (LFP):

Point	Latitude	Longitude
SHP	19° 40′.43N.,	92° 32′.59E.
SP	19° 40′.44N.,	92° 32′.62E.
CP1	19° 40′.84N.,	92° 34′.06E.
IP1	19° 40′.97N.,	92° 34′.51E.
TP1	19° 40′.85N.,	92° 34′.98E.
CP2	19° 27′.47N.,	93° 28′.12E.
IP2	19° 27′.36N.,	93° 28′.56E.
TP2	19° 27′.07N.,	93° 28′.87E.
LFP	19° 25′.59N.,	93° 30′.49E.

2. All vessels and mariners are to maintain a clearance of 05 NM from the centre positions of Gas Fields and are not to approach within 500 metres from both sides of gas pipelines.

3. During development of Gas Field, unauthorized navigation, anchoring and fishing are prohibited within the above mentioned areas.

4. All positions are in WGS 84 datum.

Charts affected – 31, 321, 322, 371, 3020.

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 SOME ECDIS**

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.

(Source - NAVAREA VIII Warning 141/12)

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 India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: info@c-map.co.in</p>	<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@martincn.com</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>	
<p>* Indicates C Map Norway AS has changed name to Jeppesen Marine Norway AS. Indicates C Map India has changed name to Jeppesen India.</p>		

List of Indian Chart Agents.

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	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
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@bogerdmartin.com, sarmarin@vsnl.com	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: ewsbom@bom3.vsnl.net.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelangerai, Chennai 600041 Land Mark - Nearby Suganya Kalyana Mandapam Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammappeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 5610 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: raj_chakravorty@yahoo.com, info@c-map.co.in Website: www.c-map.co.in
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	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com, pramod@inspireship.com
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungli Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924293, Cell: +91-9477444392 Email: sankar_roy342@yahoo.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: ashiskantha@gmiindia.in; Web: www.gmiindia.in

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 Inforce as on 31 Aug 12.

2011 SERIES – 442 596 708

2012 SERIES – 037 289 315 343 346 355 373 381 382 385 387 388 396 399 402 403 405 406
408 410 414 415 416 417 418 419

3. NAVAREA VIII Warnings issued during the period from 16 Aug to 31 Aug 12 (both dates inclusive) are as tabulated below: –

399.	Indian Ocean – Off Reunion Island.	Charts INT 70 INT 72 INT 702. Marking of sharks from 14 Aug to 15 Sep 12 between 20-54.40S 055-05.00E and 21-21.00S 055-05.00E	
2.	Activities of fishing and scuba diving forbidden around 200 metres of the vessel .		
3.	Cancel this MSG 150001 UTC Sep 12.		
400.	Navarea VIII-Messages in force as on 171001 UTC Aug 12		
	2011 Series: - 442 596 708		
	2012 Series: - 037 289 315 343 346 355 361 365 367 369 370 373 379 381 382 385 387 388 393 396 397 398 399		
	(a) NAVAREA VIII Warnings less than 42 days old (346/12 onward) are promulgated via SafetyNET.		
	(b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in		
	(c) Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.		
2.	Cancel this MSG 241001 UTC Aug 12.		
401.	Western Indian Ocean – Carlsberg Ridge.	Piracy. Charts INT 71 INT 72 INT 702. M/V attacked in position 01-16N 058-07E at 170952 UTC Aug 12.	
2.	Caution Advised.		
3.	Cancel this MSG 200952 UTC Aug 12.		
402.	India West Coast – off Mumbai.	Charts 21 22 211 255 292 293 INT 71 INT 705. Following ONGC platforms established:	
	B-193-A-P(WAC)	18-55.59N 072-02.48E	
	B-193-A-Q(COJ)	18-55.58N 072-02.39E	
	B-193-A-F-LP	18-55.52N 072-02.44E	
	B-193-A-F-HP	18-55.19N 072-02.49E	
	B-179-A(WAC)	18-57.12N 072-10.81E	
	B-178-A(WAC)	19-00.48N 072-09.07E	
	B-172-A(WAC)	19-00.63N 072-11.95E	
2.	Caution advised.		
403.	Andaman Sea – Bompoka Island.	Charts 33 41 408 471 4037 INT 706. Bompoka Island light unlit.	
404.	India West Coast – Mormugao.	Chart 22 214 215 257 2022 INT 71 INT 706. Firing by Naval Coast Battery 15-24.06N 073-47.01E between 0430 UTC to 0730 UTC on 29 Aug 12.	
2.	Danger area sector of 20 nm radius from 200 degree to 260 degree from firing position.		
3.	Safe flying height 6500 metres.		
4.	Cancel this MSG 290830 UTC Aug 12.		
405.	Srilanka West Coast – off Colombo.	Chart 32 263 264 INT 706. Partly submerged wreck of MV Thermopylae Sierra reported in vicinity 06-47.15N 079-50.16E	
2.	Caution advised.		
406.	India West Coast – off Mumbai.	Charts 21 22 211 255 292 293 INT 71 INT 705. Following ONGC subsea pipelines laid:	
	from platform (B-179-A to B-178-A):		
	(a)	18-57.10N 072-10.79E	(c) 18-57.78N 072-09.56E
	(b)	18-57.10N 072-10.39E	(d) 19-00.45N 072-09.07E
	from platform (B-28A-A to B-193-A-P):		
	(a)	18-47.44N 072-00.02E	(d) 18-54.71N 072-02.59E
	(b)	18-47.43N 072-00.43E	(e) 18-55.11N 072-02.58E
	(c)	18-47.94N 072-01.13E	(f) 18-55.56N 072-02.47E

406. Continued.				
from platform (B-193-A-P to SL-6):	(a)	18-55.61N	072-02.44E	(d) 18-51.30N 071-52.33E
	(b)	18-55.84N	072-02.34E	(e) 18-51.29N 071-52.32E
	(c)	18-56.24N	072-01.11E	
from platform (B-23A-A to B-193-A-P):	(a)	18-54.73N	071-49.59E	(d) 18-56.38N 072-01.42E
	(b)	18-54.72N	071-50.19E	(e) 18-55.88N 072-02.35E
	(c)	18-54.73N	071-50.34E	(f) 18-55.61N 072-02.46E
from platform (B-172-A to B-178-A):	(a)	19-00.64N	072-11.92E	(c) 19-00.35N 072-10.43E
	(b)	19-00.37N	072-10.70E	(d) 19-00.46N 072-09.10E
from platform (B-178-A to B-193-A-P):	(a)	19-00.47N	072-09.05E	(c) 18-56.04N 072-06.57E
	(b)	18-56.59N	072-07.33E	(d) 18-55.53N 072-02.50E
from platform (B-193-A-P to BCP-B):	(a)	18-55.89N	072-04.07E	(d) 19-07.10N 072-07.01E
	(b)	18-56.79N	072-03.84E	(e) 19-08.66N 072-07.00E
	(c)	19-06.84N	072-07.94E	(f) 19-08.67N 072-06.99E
from platform (B-193-A-F LP to B-193-A-F HP):	(a)	18-55.50N	072-02.45E	(b) 18-55.20N 072-02.51E
from LP to HP flare pilot gas pipeline:	(a)	18-55.51N	072-02.45E	(b) 18-55.20N 072-02.51E
	2.	Caution advised.		
407. Andaman Sea – off Port Blair.	Charts 41 404 405 473 4006 4016 INT 706. Firing practice by Naval Coast Battery from 0730 UTC to 0930 UTC on 29 Aug 12 in area bounded by:			
	(a)	11-39.7N	092-46.3E	(b) 11-40.6N 092-47.0E
	(c)	11-38.7N	092-53.1E	(d) 11-32.9N 092-48.3E
	2.	Safe flying height 7000 metres.		
	3.	Cancel this MSG 291030 UTC Aug 12.		
408. India East Coast – Bay of Bengal.	Charts 32 33 356 INT 71 INT 706. Firing practice between 0230 UTC to 1130 UTC from 01 Sep to 07 Sep and 15 Sep to 21 Sep 12.			
	2.	Danger zone 05 nm radius around 13-50N 081-40E		
	3.	Safe flying height 3500 metres.		
	4.	Cancel this MSG 211230 UTC Sep 12.		
409. India East Coast – Chennai.	Charts 32 33 313 356 357 3001 3004 INT 706. Firing practice by Naval Coast Battery from position 13-07.02N 080-18.01E from 0530 UTC to 0730 UTC on 31 Aug 12.			
	2.	Danger zone sector of 11 nm radius between 045 degree and 075 degree from gun position.		
	3.	Safe flying height 12800 metres.		
	4.	Cancel this MSG 310830 UTC Aug 12.		
410. India East Coast – Approaches to Dhamra Port.	Charts 31 351 352 3017 3038 INT 706. Fairway buoy positioned at 20-55.46N 087-07.12E permanently re-established at 20-55.36N 087-07.05E			
411. NAVAREA VIII – messages in force as on 241006 UTC Aug 12:				
	2011 series: - 442 596 708			
	2012 series: - 037 289 315 343 346 355 361 367 370 373 379 381 382 385 387 388 396 398 399 402 403 404 405 406 407 408 409 410			
	(a)	NAVAREA VIII warnings less than 42 days old (355/12 onward) are promulgated via SafetyNET.		
	(b)	Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in		
	(c)	Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.		
	2.	Cancel this MSG 311005 UTC Aug 12.		
412. India East Coast – off Pulicat.	Charts 33 313 356 INT 706. Firing practice by Coast Guard aircraft from 0330 UTC to 0530 UTC on 29 Aug 2012. Danger area bounded by:			
	(a)	13-30N 081-20E	(b)	13-30N 081-40E
	(c)	13-50N 081-52E	(d)	13-50N 081-30E
	2.	SAFE FLYING HEIGHT 2000 METRES		
	3.	CANCEL THIS MSG 290630 UTC AUG 12		
413. Cancel NAVAREA VIII 361/12 and 367/12 and this MSG.	INM 202 /12 and section VII of INM edition 16/12 refers.			

<p>414. India West Coast – Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 71 INT 706. Firing by Naval Coast Battery:</p> <table> <thead> <tr> <th>Date</th> <th>Time (UTC)</th> </tr> </thead> <tbody> <tr> <td>04 Sep 12</td> <td>0900 to 1200</td> </tr> <tr> <td>07 Sep 12</td> <td>0900 to 1200 and 1230 to 1430</td> </tr> <tr> <td>11 Sep 12</td> <td>0900 to 1200</td> </tr> <tr> <td>14 Sep 12</td> <td>0900 to 1200</td> </tr> <tr> <td>18 Sep 12</td> <td>0900 to 1200</td> </tr> <tr> <td>21 Sep 12</td> <td>0900 to 1200</td> </tr> <tr> <td>25 Sep 12</td> <td>0900 to 1200 and 1230 to 1430</td> </tr> <tr> <td>28 Sep 12</td> <td>0900 to 1200</td> </tr> </tbody> </table> <p>2. Danger area bounded by:</p> <table> <tbody> <tr> <td>(a) 09-57.5N</td> <td>075-59.5E</td> <td>(b) 09-57.7N</td> <td>076-14.2E</td> </tr> <tr> <td>(c) 09-44.0N</td> <td>076-17.5E</td> <td>(d) 09-42.5N</td> <td>076-09.5E</td> </tr> </tbody> </table> <p>3. Safe flying height 10000 metres.</p> <p>4. Cancel this MSG 281300 UTC Sep 12.</p>	Date	Time (UTC)	04 Sep 12	0900 to 1200	07 Sep 12	0900 to 1200 and 1230 to 1430	11 Sep 12	0900 to 1200	14 Sep 12	0900 to 1200	18 Sep 12	0900 to 1200	21 Sep 12	0900 to 1200	25 Sep 12	0900 to 1200 and 1230 to 1430	28 Sep 12	0900 to 1200	(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E	(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E
Date	Time (UTC)																									
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28 Sep 12	0900 to 1200																									
(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E																							
(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E																							
<p>415. India West Coast – Okha. Charts 21 202 203 251 271 291 2013 2068 INT 705. Firing by Naval Coast Battery between 0530 UTC to 0730 UTC on 04 Sep 12.</p> <p>2. Danger area from 300 degree to 020 degree up to 12 nm seaward from position 22-28.03N 069-04.98E</p> <p>3. Safe flying height 13000 metres.</p> <p>4. Cancel this MSG 040830 UTC Sep 12.</p>																										
<p>416. Indian Ocean – Bay of Bengal. Charts 32 356 357 359 INT 70 INT 72 INT 706. PSLV- C21 rocket launching scheduled from launch pad 13-43.9N 080-14.2E between 0345 UTC to 0600 UTC from 09 Sep to 11 Sep 2012.</p> <p>2. Danger areas are as follows:</p> <p>(a) Danger zone – 1. Circle of 10 nm around the launcher.</p> <p>(b) Danger zone – 2. Sector between radii of 75 nm and 125 nm from launcher and between azimuth angles 130 degree and 150 degree from true north.</p> <p>(c) Danger zone – 3. Area bounded by following points:</p> <table> <tbody> <tr> <td>(i) 09-20N 082-25E</td> <td>(ii) 09-40N 083-25E</td> </tr> <tr> <td>(iii) 08-40N 083-40E</td> <td>(iv) 08-20N 082-40E</td> </tr> </tbody> </table> <p>(d) danger zone – 4. Area bounded by following points:</p> <table> <tbody> <tr> <td>(i) 00-50N 082-00E</td> <td>(ii) 00-35N 083-35E</td> </tr> <tr> <td>(iii) 03-25S 083-00E</td> <td>(iv) 03-10S 081-25E</td> </tr> </tbody> </table> <p>(e) danger zone – 5. Area bounded by following points:</p> <table> <tbody> <tr> <td>(i) 28-00S 075-00E</td> <td>(ii) 29-00S 079-00E</td> </tr> <tr> <td>(iii) 33-00S 078-00E</td> <td>(iv) 32-00s 074-00E</td> </tr> </tbody> </table> <p>3. Caution advised.</p> <p>4. Cancel this MSG 110700 UTC Sep 12.</p>	(i) 09-20N 082-25E	(ii) 09-40N 083-25E	(iii) 08-40N 083-40E	(iv) 08-20N 082-40E	(i) 00-50N 082-00E	(ii) 00-35N 083-35E	(iii) 03-25S 083-00E	(iv) 03-10S 081-25E	(i) 28-00S 075-00E	(ii) 29-00S 079-00E	(iii) 33-00S 078-00E	(iv) 32-00s 074-00E														
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(iii) 33-00S 078-00E	(iv) 32-00s 074-00E																									
<p>417. NAVAREA VIII – messages in force as on 311002 UTC Aug 12.</p> <p>2011 SERIES: - 442 596 708</p> <p>2012 SERIES: - 037 289 315 343 346 355 370 373 381 382 385 387 388 396 399 402 403 405 406 408 410 414 415 416</p> <p>(a) NAVAREA VIII warnings less than 42 days old (370/12 onward) are promulgated via SafetyNET.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in</p> <p>(c) Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.</p> <p>2. Cancel this MSG 071002 UTC Sep 12.</p>																										
<p>418. India East Coast – off Narasapur. Charts 31 32 355 391 INT 706. Leakage of gas reported by ONGC near G1-DB deep water well (abandoned) in position 16-15.63N 082-11.21E</p> <p>2. A temporary exclusion zone radius of two miles established centred on this position.</p> <p>3. Vessels prohibited from entering or remaining within this zone.</p>																										
<p>419. India West Coast – off Karwar. Charts 22 215 257 293 INT 705. One liferaft reported lost in vicinity 14-47.97N 073-53.70E at 311258 UTC Aug 12.</p> <p>2. Cancel this MSG 031258 UTC Sep 12.</p>																										

6.1

SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

(Note: For hard copy in colour, kindly download from www.hydrobharat.nic.in Indian Notices to Mariners section)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6650	- Ras Msangamkuu	10 12.49S 40 14.10E	Fl W 10s	26	11	White metal framework tower 21	<i>fl 1.</i> Vis 054°- 290° (236°). All lights in Mtwara Harbour reported extinguished (T) 2012
		*					*
D6651	- Ldg Lts 154°. Front	10 15.12S 40 11.94E	Q W	12	7	White framework tower 9	TE 2012
		*					*
D6651.1	-- Rear. 225m from front	10 15.18S 40 11.97E	Fl W 2.5s	19	9	White framework tower 9	TE 2012
		*					*
D6653	- Ras Jandoni Ldg Lts 189°. Front	10 15.30S 40 11.60E	Fl W 2s	..	..	..	TE 2012
		*					*
D6653.1	--- Rear. 715m from front	10 15.70S 40 11.60E	Fl(2)W 5s	..	..	..	TE 2012
		*					*
D6654	- Ras Shuka	9 58.90S 39 48.83E	Fl W 5s	15	6	White tower 6	<i>fl 0.5</i> TE 2012
		*					*
D6656	- Lindi. Ldg Lts 240°. Front	9 59.47S 39 42.84E	Fl W 2s	7	9	Grey concrete obelisk 4	<i>fl 0.8.</i> TE 2012
		*					*
D6656.1	--- Rear. 0.54M from front	9 59.74S 39 42.36E	LFl W 6s	54	15	Grey wooden beacon 9	<i>fl 2.</i> TE 2012
		*					*
D6668	Ras Kanzi. S of Ras Kimbiji	7 01.10S 39 33.00E	Fl W 10s	28	10	Grey square tower 12	<i>fl 1.5.</i> Vis 172°- 004° (192°). *
		*					*
D6691	- Ras Makabe. No 20	6 49.42S 39 17.80E	Q R	..	..	Red beacon	*
		*					*
D6754	-Ulenge. Ldg Lts 319° Front	5 00.40S 39 10.10E	Q W	12	11	White concrete tower 15	TE 2012
		*					*
D6754.1	--- Rear. 320m from front	5 00.60S 39 10.00E	LFl W 12s	26	15	White square stone tower, black band 26	<i>fl 4.5</i> TE 2012
		*					*
D6756	- Niule Reef	5 03.50S 39 11.90E	Fl R 2s	7	..	White concrete beacon, red band	<i>fl 0.2</i> TE 2012
		*					*
D6758	- Ulenge Reef	5 02.44S 39 09.82E	Fl G 6s	7	..	White concrete beacon	<i>fl 0.6</i> TE 2012
		*					*
D6763	- Hospital Spit	5 03.60S 39 06.70E	Q R	4	5	White concrete tower	Destroyed (T) 2012
		*					*
JAZIREH – YE QESHM							
D7337.8	- Qeshm. SE Breakwater. Head	26 56.95N 56 17.21E	Fl R 5s				*
	*	*	*	*	*	*	*
D7337.82	- Qeshm. Inner Breakwater. Head	26 56.86N 56 17.09E	Fl G 5s				*
	*	*	*	*	*	*	*
D7656.33	Remove from list						
D7656.34	Remove from list						
D7708	- E Breakwater. Head (IR)	27 05.39N 56 04.36E	Fl G 5s	..	..	Framework tower	*
		*					*
D7708.2	- W Breakwater. Head (IR)	27 05.20N 56 04.17E	Fl R 5s	..	..	Framework tower	*
		*					*

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7708.4	- E Inner Breakwater. Head (IR)	27 05.52N 56 04.08E	Fl(2)G 9s	..	..	Framework tower	
			*				
D7708.5	- W Breakwater. Spur (IR)	27 05.27N 56 03.86E	Fl(2) R 9s	..	..	Framework tower	
			*				
D7709.85	- Shahid Haghani. W Breakwater (IR)	27 10.29N 56 16.90E	Fl R 5s	..	5		
			*	*	*	*	*
D7709.852	- - E Breakwater (IR)	27 10.21N 56 16.96E	Fl G 5s	..	5		
			*	*	*	*	*
	SIRRI D OILFIELD						
D9216.3	- PP	25 42.27N 54 18.04E	Lit	..	..	Platform	Numerous installations, some marked by lights, exist in this field
			*	*	*	*	*
D9211.2	Remove from list						
D9211.22	-	25 28.27N 53 07.98E	Lit	..	..	Platform	Numerous installations, some marked by lights, exist in the field
			*	*	*	*	*
F0396	Dwarka Point	22 14.29N 68 57.47E	Fl (2) W 20s	48	30	White square stone tower, black bands 43	<i>fl 0.3, ec 4.7, fl 0.3, ec 14.7</i> Storm signals. R Lt 43 on radio mast 16M SE ILRS Vol 2 Station 78920
	-	..	Racon	..	..	..	*
F0397	Kachchigadh	22 19.87N 68 56.92E	Fl(4) W 15s	33	26	White round concrete tower, red bands 30	<i>(fl 0.4, ec 1.5)x 3, fl 0.4, ec 8.9.</i> ILRS Vol 2 Station 78900
	-	..	Racon	..	..	..	*
F0655	- Saint Mary Isles. North Island	13 20.65N 74 41.09E	Fl W 3s	28	16	White square masonry tower	*
F0940	- Outer Arm. Spur	13 06.01N 80 18.27E	Fl R 8s	10	6	White round stone tower red stripes 5	*
F0941	- Eastern Breakwater. Off head. Outer	13 06.30N 80 18.21E	Fl(3)G 8s	..	..	..	*
F0942	- Outer Arm. Head Dufferin	13 06.44N 80 18.60E	Fl(2)R 6s	13	14	..	*
F0943	- Harbour Basin. Entrance. E side	13 05.89N 80 18.17E	Fl R 2s	8	1	Square concrete column	*
F0944	--- W side	13 05.93N 80 18.20E	Fl G 2s	8	1	Square concrete column	2 F R on radio tower 0.68 M W. Fl R and 3 F R on Tv tower 2.2 M SW *
F1056.4	Cox's Bazar	21 25.95N 91 58.38E	Fl W 15s	54	21	Framework tower orange dome on lantern 7	<i>fl 0.7</i>
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79330
F1263	-Ug Karang	1 43.00N 98 42.99E	Fl(3)W 17s	41	17	White metal framework structure 40	<i>(fl 0.5, ec 3)x2 , fl 0.5, ec 9.5</i>
F1267	- Singkel	2 16.25N 97 48.60E	Fl W 6s	15	10	White metal framework tower 30	<i>fl 1</i>
			*				

8.1

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 16 dated 16 Sep 2011)

NIL

INP 31(2), 2007

(Last correction: Edition No. 14 dated 16 Jul 12)

NIL

INP 31(5), 2011

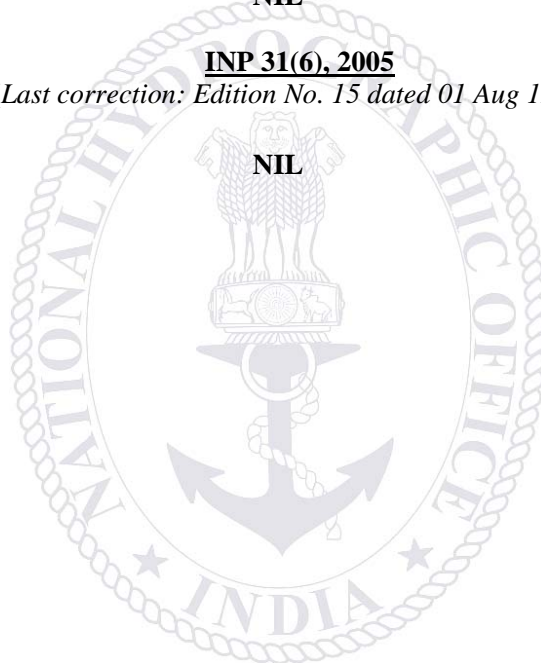
(Last correction: Edition No. 15 dated 01 Aug 12)

NIL

INP 31(6), 2005

(Last correction: Edition No. 15 dated 01 Aug 12)

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@nic.in, msis-inho-navy@nic.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.nic.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.

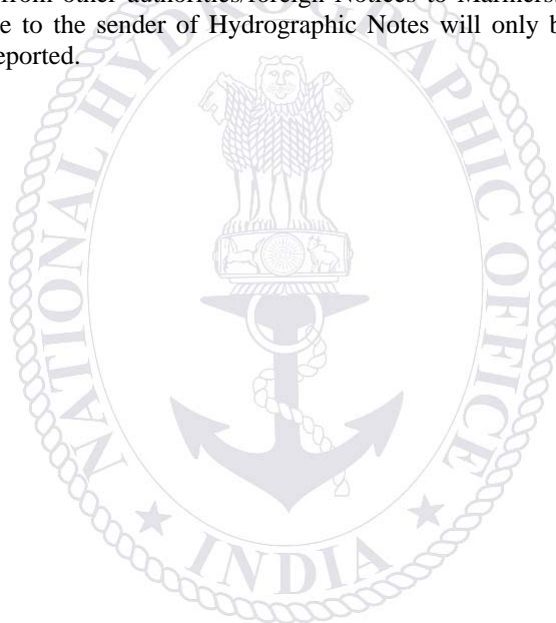
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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 223/12

Chart 7702(INT 702)

MARINE PROTECTED RESERVE

(6°20'·0S 72°00'·0E)

A marine protected reserve has been established within the EEZ limit shown on this chart. Entry into this area is affected by numerous restrictions and prohibitions. For further details, consult the local authorities.

To accompany Indian Notice to Mariners 223/12

Chart 7703(INT 703)

MARINE PROTECTED RESERVE

(6°20'·0S 72°00'·0E)

A marine protected reserve has been established within the EEZ limit shown on this chart. Entry into this area is affected by numerous restrictions and prohibitions. For further details, consult the local authorities.

To accompany Indian Notice to Mariners 223/12

Chart 7707(INT 707)

MARINE PROTECTED RESERVE

(6°20'·0S 72°00'·0E)

A marine protected reserve has been established within the EEZ limit shown on this chart. Entry into this area is affected by numerous restrictions and prohibitions. For further details, consult the local authorities.



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