



INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2012

(CONTAINS NOTICES 083 TO 094)

REACH US 24 x 7



in的角度-navy@nic.in
msis-inho-navy@nic.in



+91-135-2748373



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



Joint Director of Hydrography
Maritime Safety Information Services
+91- 135 - 2747360-65

WWW

www.hydrobharat.nic.in

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

FEEDBACK: msis-inho-navy@nic.in



INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**



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 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>Publication Date</i>
IN62105P	2105	JAIGARH PORT	12-03-2012
IN62106P	2106	MUNDRA PORT	12-03-2012

2. The new Edition 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>Publication Date</i>
IN42022M	2022	APPROACHES TO MORMUGAO	05-03-2012
IN52081P	2081	DIU AND NAVABANDAR ANCHORAGES	05-03-2012
IN62051S	2051	SALAYA HARBOUR	15-03-2012

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell No</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN42022M	2022	APPROACHES TO MORMUGAO	15-11-2006
IN52081P	2081	DIU AND NAVABANDAR ANCHORAGE	30-07-2010
IN62051S	2051	SALAYA HARBOUR	19-08-2009
IN62021P	2021	MUNDRA PORT	31-12-2010

4. The forthcoming Indian Publication is as follows:-

<i>INP No</i>	<i>Title</i>
31(5)	Indian List of Radio Signals Vol 5 (GMDSS) 2011

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>
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VI

<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>
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SECTION – I

The lists of charts affected by the Notices 083 to 094 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
31	5	088
33	5	094(T)
41(INT757)	6	094(T)
321	7	088
322	7	088
354(INT 7408)	5	084
371	7	088
391	5	084
402	6	094(T)
403	6	094(T)
404	6	094(T)
405	6	094(T)
406	6	094(T)
407	6	094(T)
408	6	094(T)
409	6	094(T)
471	6	094(T)
472(INT7032)	6	094(T)
473(INT7031)	6	094(T)
4016	6	094(T)
4035	6	094(T)
410	7	086
411	7	086
433	7	090
434	7	090
451	7	086
452	7	086
454	7	089
2004(INT7359)	3	093(P)
2045(INT7360)	3	093(P)
2105	3	083
2065	3	092(T)
3004(INT 7403)	5	085, 091
3009	5	084
7508(INT 508)	7	087

SECTION – II
PERMANENT NOTICES

***083/(06/12) INDIA – WEST COAST – Jaigarh Port – Depths.**

Source: NHO Dehradun

(HJ/1030/12)

Chart 2105 [previous update 069/12]

Insert	depth, Q_2	17° 19'·01N., 73° 14'·37E.
	depth, Q_4	17° 18'·54N., 73° 14'·39E.
	depth, Q_1	17° 17'·71N., 73° 14'·55E.
	depth, 3_6	17° 17'·20N., 73° 14'·09E.
	depth, 2_3	17° 17'·72N., 73° 14'·71E.

***084/(06/12) INDIA – EAST COAST – Kakinada Port – Wrecks, Lights, Foul Ground, Legends.**



Source: Kakinada Port.

(HJ/1029/11)

Chart 3009 [previous update 223/10]

Delete		16° 59'·42N., 82° 18'·85E.
		17° 00'·19N., 82° 18'·22E.
	 R Lts	16° 58'·84N., 82° 16'·50E.
		16° 58'·84N., 82° 16'·65E.
	foul ground, with associated legend, “foul”, joining:	17° 00'·45N., 82° 21'·10E.
		17° 00'·01N., 82° 21'·10E.
		17° 00'·45N., 82° 21'·50E.
		17° 00'·01N., 82° 21'·50E.

Chart 3009(Plan) [previous update 223/10]

Delete		16° 59'·42N., 82° 18'·85E.
		17° 00'·19N., 82° 18'·22E.
	 R Lts	(a) 16° 58'·84N., 82° 16'·50E.
		(b) 16° 58'·84N., 82° 16'·65E.
	leading line, pecked line and firm line with associated legend, “2Trs ≠ 270°5’”, joining	(a) above
		(b) above
		16° 58'·84N., 82° 17'·65E.
	limit of foul ground with associated legend, “foul”, joining:	17° 00'·45N., 82° 21'·10E.
		17° 00'·01N., 82° 21'·10E.
		17° 00'·45N., 82° 21'·50E.
		17° 00'·01N., 82° 21'·50E.

Substitute	legend, “CORAMANDEL INTERNATIONAL LTD” for “GODAVARI FERTILIZERS” centered on:	16° 59'·20N., 82° 16'·30E.
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Chart 354(INT 7408) [previous update 233/11]

Delete		16° 59'·44N., 82° 18'·85E.
		17° 00'·20N., 82° 18'·22E.

Chart 391 [previous update 233/11]

Delete		17° 00'·2N., 82° 18'·2E.
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***085/(06/12) INDIA – EAST COAST – Chennai Harbour – Pecked Line.**

Source: INS Sandhayak

(HJ/1029/11)

Chart 3004(INT7403) [previous update 077/12]

Delete pecked line, joining:

13° 05′·45N., 80° 18′·01E..

13° 05′·88N., 80° 18′·18E..

***086/(06/12) INDIA – ANDAMAN SEA – BURMA – Gulf of Martaban – Light Vessel.**

Source: INS Sandhayak.

(HJ/1028/10)

Chart 451 [previous update 165/10]Delete  Fl(3)20s12m11M (a) 15° 59′·525N., 96° 14′·533E.

radar beacon, "Racon", at light vessel:

(a) above

Chart 452 [previous update 165/10]Delete  Fl(3)20s12m11M (a) 15° 59′·525N., 96° 14′·533E.

radar beacon, "Racon", at light vessel:

(a) above

Chart 410 [previous update 165/10]Delete  Fl(3)20s12m11M (a) 15° 59′·525N., 96° 14′·533E.

radar beacon, "Racon", at light vessel:

(a) above

Chart 411 [previous update 165/10]Delete  Fl(3)20s12m11M (a) 15° 59′·525N., 96° 14′·533E.

radar beacon, "Racon", at light vessel:

(a) above

087/(06/12) TAIWAN – West Coast – Kao-Hsiung Westwards and Liu-ch'iu Yii South-westwards – Obstructions.

Source: BA Notice – 166/12.

(HJ/1025/29)

Chart 7508(INT508) [previous update 067/12]Insert  Obstn

22° 37′·5N., 120° 05′·1E.

22° 08′·1N., 120° 03′·0E.

088/(06/12) BURMA – Myayngukyun – Boronga Point South-westwards – Wells.

Source: BA Notice – 492/12.

(HJ/1028/97)

Chart 31 [previous update 235/11]Insert  Wells 19° 34′·8N., 92° 35′·1E.**Chart 371 [previous update 272/08]**Insert  Wells 19° 34′·8N., 92° 35′·1E.**Chart 321 [previous update 272/08]**Insert  Wells 19° 34′·8N., 92° 35′·1E.**Chart 322 [previous update 268/08]**Insert  Wells 19° 34′·8N., 92° 35′·1E.

***089/(06/12) BURMA – Kyun Me Gyee South-westwards – Rock.**

Source: BA Notice – 558/12.

(HJ/1028/97)




Chart 454 [previous update 452/08]Insert  Rep (2012)

10° 51'·1N., 97° 52'·2E.

090/(06/12) THAILAND – West Coast – Ko Muk, Ko Talibong and Ko Sukon – Submarine Power Cables.

Source: BA Notice – 495/12.

(HJ/928/70)

Chart 433 [previous update 078/11] WGS84 DATUMInsert submarine power cable,   , joining:




7° 21'·7N., 99° 18'·2E.(shore)

7° 20'·7N., 99° 22'·0E.(shore)

and

7° 16'·7N., 99° 23'·2E.(shore)

7° 18'·1N., 99° 25'·2E.

Chart 434 [previous update 326/09] WGS84 DATUMInsert submarine power cable,   , joining:

7° 21'·7N., 99° 18'·2E.(shore)

7° 20'·7N., 99° 22'·0E.(shore)

and

7° 16'·7N., 99° 23'·2E.(shore)

7° 18'·1N., 99° 25'·2E.

and

7° 06'·8N., 99° 34'·9E.(shore)

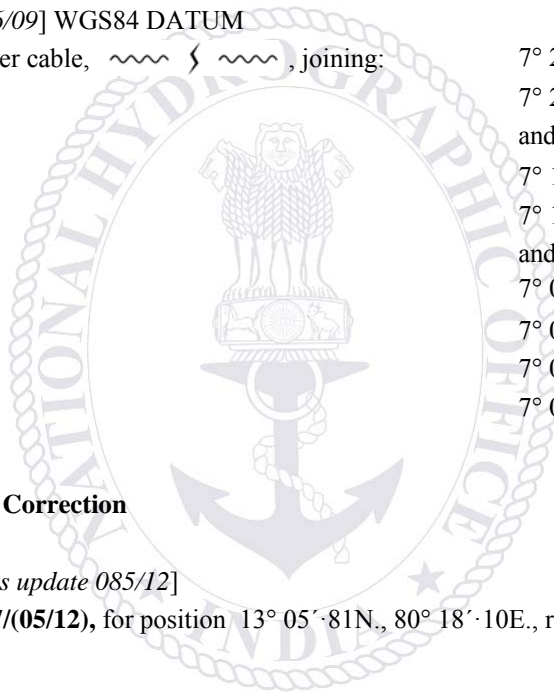
7° 07'·0N., 99° 35'·1E.

7° 08'·5N., 99° 35'·3E.

7° 08'·9N., 99° 35'·2E.(shore)

***091/(06/12) Miscellaneous Correction**

Source: NHO Dehradun.

Chart 3004(INT7403) [previous update 085/12]Amend **Refer INM 077/(05/12)**, for position 13° 05'·81N., 80° 18'·10E., read 13° 05'·81N., 80° 18'·21E..

SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***092(T)/(06/12) INDIA – WEST COAST – Port Dabhol – Dredging Operation. Buoys.**

Source: RGPPL, Dabhol.

(HJ/1030/12)

1. Dredging is in progress in approach channel and turning circle of Port Dabhol in the area bounded by following co-ordinates:-

17° 31' .15N., 73° 08' .56E.

17° 31' .25N., 73° 08' .36E.

17° 32' .10N., 73° 07' .64E..

17° 33' .87N., 73° 05' .11E.

17° 34' .00N., 73° 05' .21E.

17° 32' .20N., 73° 07' .78E.

17° 31' .53N., 73° 08' .63E.

17° 31' .32N., 73° 08' .74E..

2. Buoy No. 2 is missing.

3. In view of dredging the channel buoys are off position.

4. Mariners to exercise caution and contact local port authorities for more details.

Charts Affected – 2065.

***093 (P)/(06/12) INDIA – WEST COAST – Port of Kochi – Kochi Harbour – Dredging. Buoyage.**

Source: Kochi Port.

(HJ/930/93)

1. Dredging is in progress in outer approach channel of Kochi Harbour for deepening and widening of outer channel.

2. The existing channel Buoys have been shifted and are placed in the following positions to coincide with the extension of the channel.

<u>Buoys No.</u>	<u>Position</u>	<u>Light Characteristics</u>
1	09° 57' .62N., 76° 07' .10E.	Fl.G.5s
2	09° 57' .76N., 76° 07' .09E.	Fl.R.5s
3	09° 57' .70N., 76° 08' .27E.	Fl.G.5s
4	09° 57' .84N., 76° 08' .27E.	Fl.R.5s
5	09° 57' .77N., 76° 09' .37E.	Fl.G.5s
6	09° 57' .91N., 76° 09' .36E.	Fl.R.5s
7	09° 57' .84N., 76° 10' .46E.	Fl.G.5s
8	09° 57' .98N., 76° 10' .45E.	Fl.R.5s
9	09° 57' .91N., 76° 11' .55E.	Fl.G.5s
10	09° 58' .05N., 76° 11' .54E.	Fl.R.5s
11	09° 57' .97N., 76° 12' .37E.	Fl.G.5s
12	09° 58' .11N., 76° 12' .36E.	Fl.R.5s
13	09° 58' .00N., 76° 13' .19E.	Fl.G.5s
14	09° 58' .16N., 76° 13' .18E.	Fl.R.5s
15	09° 58' .06N., 76° 14' .01E.	Fl.G.5s
16	09° 58' .25N., 76° 14' .27E.	Fl.R.5s

3. The Fairway Buoy has been retrieved for maintenance.

4. Mariners to exercise caution and contact port authorities for further information.

5. **Former INM 082(P)/12 is cancelled.**

Charts Affected – 2004(INT7359) – 2045(INT7360).

***094(T)/(06/12) INDIA – ANDAMAN SEA – Fish Aggregating Devices.**

Source: Directorate of Fisheries and Environment.

(HJ/1028/10)

1. Fish aggregating devices (FADs) have been deployed by NIO, Goa. FADs are marked by Yellow colored surface Buoys with characteristics Fl.Y.4s at the following locations:

<u>Buoys No.</u>	<u>Position</u>	<u>Charts Affected</u>
1	11° 28'·476N., 92° 48'·736E.	33 – 41(INT757) – 405 – 473(INT7031) – 4016.
2	11° 42'·349N., 93° 07'·051E	33 – 41(INT757) – 404 – 405 – 473(INT7031).
3	12° 40'·999N., 93° 04'·242E	33 – 41(INT757) – 403 – 473(INT7031).
4	12° 59'·550N., 93° 06'·543E	33 – 41(INT757) – 402 – 403 – 473(INT7031).
5	13° 15'·648N., 93° 10'·085E.	33 – 41(INT757) – 402 – 473(INT7031).
6	10° 59'·098N., 92° 45'·159E	33 – 41(INT757) – 405 – 406 – 473(INT7031).
7	09° 10'·488N., 92° 55'·156E	33 – 41(INT757) – 407 – 472(INT7032).
8	07° 57'·200N., 93° 39'·555E	33 – 41(INT757) – 408 – 409 – 4017.
9	06° 59'·450N., 94° 00'·060E.	33 – 41(INT757) – 409 – 471 – 472(INT 7032) – 4035.
10	10° 56'·168N., 92° 20'·464E.	33 – 41(INT757) – 405 – 406 – 473(INT7031).

2. Mariners to exercise caution and give wide berth of 1 NM from the buoys.



SECTION – IV
MARINE INFORMATION

MUMBAI NAVTEX COAST STATION

MSI Promulgation by Mumbai NAVTEX Coast Station position 19° 05'.00 N, 072° 50'.00 E is closed for maintenance.

(Source - NAVAREA VIII Warning 305/08)

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:-

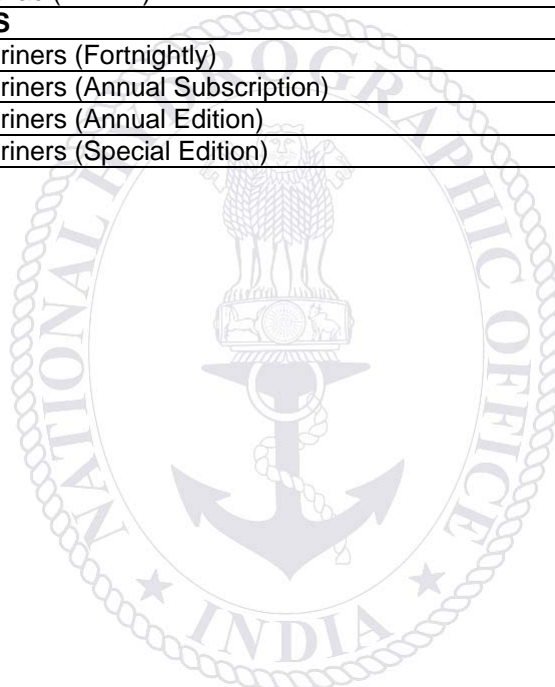
<p>*JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: info@c-map.co.in</p>	<p>*JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no 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: 9910891631, 9810705062 Email: ravipani@indiatimes.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

REVISED RATES OF CHARTS AND PUBLICATION
W.E.F. 01 APR 2012

<u>S.No.</u>	<u>Name of Chart/ Publications</u>	<u>Sale Price in INR</u>
NAVIGATIONAL CHARTS		
1	Paper Chart	1870.00
INDIAN NAVAL PUBLICATIONS (INPs)		
2	West Coast of India Pilot (INP 1)/ Bay of Bengal Pilot (INP 2)	4480.00
3	Symbols and Abbreviations (INP 5020)	930.00
4	IALA Maritime Buoyage System(Booklet)	580.00
5	Distance Tables of India and Adjacent Ports (INP 5082)	500.00
6	Catalogue of Charts and Publications (INP 10)	250.00
7	List of Lights Volume D & E (INP 21a)	2390.00
8	List of Lights Volume F & K (INP 21b)	2390.00
9	List of Radio Signals (INP 31)	3400.00
10	Nautical Almanac (INP 11)	3200.00
NOTICES TO MARINERS		
11	Notices to Mariners (Fortnightly)	200.00
12	Notices to Mariners (Annual Subscription)	2000.00
13	Notices to Mariners (Annual Edition)	600.00
14	Notices to Mariners (Special Edition)	1250.00



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 – 2008.

2. NAVAREA VIII Warnings Inforce as on 15 Mar 12.

2011 SERIES – 225 228 442 574 596 708

2012 SERIES – 024 037 041 043 066 067 068 069 080 088 089 090 091 097 099 100 102 103
106 109 110 113 120 121 124 125 127 128 134 135 136 137 138 139 140 141

3. NAVAREA VIII Warnings issued during the period from 01 Mar to 15 Mar 12 (both dates inclusive) are as tabulated below:-

121. India West Coast-Off Kochi. Charts 22 220 259 260 2029 INT 71 INT 706. Wreck of FB Don-1 reported 09-44.69N 075-59.90E. Position marked with orange coloured buoy.		
2. Caution advised.		
122. India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Salaya channel marking buoy Chandri temporarily removed.		
123. Cancel NAVAREA VIII 105/12 and this MSG. INM 082 /12 refers.		
124. India West Coast-Arabian Sea. Charts 21 22 208 209 211 254 292 293 INT 705 INT 706. Rig list. Correct at 051003 UTC Mar 12.		
ABAN ICE	18-42.33N	070-50.92E
ABAN III	19-11.98N	072-11.00E
ABAN IV	19-40.40N	071-19.38E
ABAN VII	18-34.40N	072-25.40E
DEEP SEA FOSSIL	20-55.05N	072-32.50E
DEEP SEA FORTUNE	20-40.06N	072-13.03E
DISCOVERY-1	20-43.00N	072-19.06E
GREATDRILL CHETNA	20-01.34N	072-00.62E
GREATDRILL CHITRA	19-23.52N	071-25.18E
JT ANGEL	19-36.74N	071-24.01E
KEDARNATH	20-15.13N	071-28.24E
NOBLE KENNETH DELANEY	19-21.80N	071-23.85E
NOBLE CHARLIE YESTER	21-03.69N	072-25.30E
NOBLE ED HOLT	19-40.15N	072-00.33E
RON TAPMEYER	19-34.16N	071-25.13E
SAGAR GAURAV	22-22.06N	068-28.73E
SAGAR KIRAN	20-20.03N	072-07.55E
SAGAR LAXMI	18-36.16N	071-01.65E
SAGAR PRAGATI	18-32.26N	072-15.45E
SAGAR SHAKTI	19-57.30N	072-19.18E
SAGAR SAMRAT	19-32.13N	071-18.81E
TRIDENT – 2	19-26.06N	071-24.26E
TRIDENT – 12	19-08.00N	071-52.08E
VIRTUE 1	19-05.35N	072-06.88E
Wide berth requested.		
2. Cancel NAVAREA VIII 092/12.		
125. India East Coast-Bay of Bengal. Charts 31 32 33 308 354 355 391 INT 706. Rig List. Correct at 051004 UTC Mar 12.		
DISCOVERER SEVEN SEAS	17-06.50N	082-31.50E
DHIRUBHAI DEEPWATER KG-1	17-59.88N	086-03.16E
SAGAR BHUSHAN	16-15.30N	082-10.68E
DEEP DRILLER-1	16-40.05N	082-27.90E
PLATINUM EXPLORER	17-28.56N	085-14.30E
ABAN II	17-02.43N	082-21.85E

125. Continued.	DEEP SEA MATDRILL	16-16.38N	081-43.86E
	MG HULME JR	16-35.73N	082-27.06E
	Wide berth requested.		
2.	Cancel NAVAREA VIII 115/12.		
126. India East Coast- Bay of Bengal.	Charts 31 32 33 354 391 INT 706. Experimental flight trial scheduled from ITR launch complex between 0430 UTC to 1030 UTC from 10 Mar to 11 Mar 12. Danger zone bounded by		
(a)	17-39.38N	083-35.88E	(b) 17-12.16N 083-30.45E
(c)	14-58.13N	084-06.78E	(d) 13-00.80N 084-43.00E
(e)	13-19.75N	085-40.50E	(f) 13-49.78N 086-32.96E
(g)	15-33.28N	085-25.58E	(h) 17-26.86N 084-03.33E
(j)	17-40.38N	083-38.11E	
2.	Caution advised.		
3.	Cancel this MSG 111130 UTC Mar 12.		
127. India East Coast - Gopampur.	Charts 31 352 353 391 3005 INT 706. Firing by army between 2330 UTC to 1800 UTC from 11 Mar to 16 Mar and 27 Mar to 30 Mar 12 in area bounded by		
(a)	19-14.60N	084-53.70E	(b) 19-37.05N 085-27.87E
(c)	18-46.05N	085-22.87E	
	and arc of 41 NM radius joining point (b) and (c)		
2.	Safe flying height 7000 metres.		
3.	Cancel this MSG 301900 UTC Mar 12.		
128. Myanmar-Off Heinze Islands.	Charts 41 413 452 453 INT 706. Survey vessel ISG Honour will carry out pre-engineering survey from 11 Mar to 26 Mar 12 along line joining 14-32.72N 097-55.44E and 14-27.50N 097-54.20E.		
2.	Wide berth of 03 NM from the line requested.		
3.	Cancel this MSG 270001 UTC Mar 12.		
129. Cancel NAVAREA VIII 104/12. India East Coast- Bay of Bengal.	Charts 31 32 33 354 391 INT 706. Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 0730 UTC from 06 Mar to 07 Mar 12. Danger zone bounded by		
(a)	17-39.23N	083-35.80E	(b) 17-11.65N 083-32.85E
(c)	14-08.73N	084-35.25E	(d) 11-36.80N 085-36.53E
(e)	12-08.18N	086-50.38E	(f) 12-53.63N 087-56.41E
(g)	15-03.98N	086-15.53E	(h) 17-29.05N 084-04.28E
(j)	17-40.40N	083-37.93E	
2.	Caution advised.		
3.	Cancel this MSG 070830 UTC Mar 12.		
130. India West Coast- Gulf of Kachchh.	Charts 21 203 2068 INT 705. Salaya channel marking buoy VLCC temporarily removed.		
131. Cancel NAVAREA VIII 129/12. India East Coast- Bay of Bengal.	Charts 31 32 33 354 391 INT 706. Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 0830 UTC from 10 Mar to 11 Mar 12. Danger zone bounded by		
(a)	17-39.23N	083-35.80E	(b) 17-11.65N 083-32.85E
(c)	14-08.73N	084-35.25E	(d) 11-36.80N 085-36.53E
(e)	12-08.18N	086-50.38E	(f) 12-53.63N 087-56.41E
(g)	15-03.98N	086-15.53E	(h) 17-29.05N 084-04.28E
(j)	17-40.40N	083-37.93E	
2.	Caution advised.		
3.	Cancel this MSG 110930 UTC Mar 12.		
132. Cancel NAVAREA VIII 126/12 and this MSG.			
133. India East Coast- Bay of Bengal.	Charts 31 32 33 354 391 INT 706. Experimental flight trial scheduled from ITR launch complex between 0530 UTC to 0830 UTC from 14 Mar to 16 Mar 12. Danger zone bounded by		
(a)	17-39.38N	083-35.88E	(b) 17-12.16N 083-30.45E
(c)	14-58.13N	084-06.80E	(d) 11-28.20N 085-04.16E
(e)	11-53.30N	086-20.40E	(f) 12-33.08N 087-30.03E
(g)	15-33.28N	085-25.58E	(h) 17-26.86N 084-03.33E
(j)	17-40.38N	083-38.11E	
2.	Caution advised.		
3.	Cancel this MSG 160930 UTC Mar 12.		

134. India West Coast-Off Devgarh. Charts 22 213 256 293 INT 705. Achra point lighthouse unlit.
<p>135. NAVAREA VIII-messages in force as on 091002 UTC Mar 12. 2011 Series: - 225 228 442 574 596 708 2012 Series: - 024 037 041 043 066 067 068 069 071 080 088 089 090 091 097 099 100 102 103 106 109 110 113 120 121 122 124 125 127 128 130 131 133 134 (a) NAVAREA VIII warnings less than 42 days old (043/12 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.</p> <p>2. Cancel this MSG 161002 UTC Mar 12.</p>
<p>136. India East Coast - Gopalpur. Charts 31 352 353 391 3005 INT 706. Firing by army between 2330 UTC to 1800 UTC from 18 Mar to 24 Mar 12 in area bounded by (a) 19-14.60N 084-53.70E (b) 19-37.05N 085-27.87E (c) 18-46.05N 085-22.87E and arc of 41 NM radius joining point (b) and (c) 2. Safe flying height 7000 metres. 3. Cancel this MSG 241900 UTC Mar 12.</p>
<p>137. India West Coast- off Mumbai. Charts 21 22 255 292 293 INT 705. MV Artemis arctic will carry out 3D marine seismic data acquisition till 30 Apr 12 in area bounded by (a) 19-03.58N 070-00.05E (b) 19-09.63N 070-18.63E (c) 18-33.78N 070-30.43E (d) 18-28.93N 070-11.98E 2. The vessel will be towing 06 streamers of length 04 NM. End marked with tail buoys and white flashing lights. 3. Wide berth of 06 NM around the vessel requested. 4. Cancel this MSG 010001 UTC may 12.</p>
<p>138. India West Coast- off Mumbai. Charts 21 22 255 292 293 INT 705. Survey vessel coastal triumph will carry out geophysical survey and geotechnical investigation operations till 26 Mar 12 in area bounded by (a) 18-40.11N 070-57.43E (b) 18-40.05N 071-03.33E (c) 18-35.63N 071-03.28E (d) 18-35.70N 070-57.38E 2. Length of tow 300 metres. Wide berth of 05 NM around the vessel requested. 3. Cancel this MSG 270001 UTC Mar 12.</p>
139. Cancel NAVAREA VIII 122/12, 130/12 and this MSG. Salaya channel marking buoy Chandri and VLCC re-established.
140. Cancel NAVAREA VIII 133/12 and this MSG.
<p>141. 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.</p>

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)

Bay of Bengal Pilot (INP-2)

Chapter -2 (Page – 106)

(Source: INS Darshak)

Article 2.51, delete para 3

Article 2.51, renumber para 4 to 3

Chapter -9 (Page – 307)

(Source: INS Darshak)

Article 9.3, delete para 4 and replace by

4 Most of the inhabitation in villages near sea shore like Mus, Kakana, Kimios, Malacca, Teetop, Arong have been shifted to high altitude areas in the island post Tsunami.

Article 9.4, para 2, line 4

Delete text “The wharf has an alongside depth of around 9.5m.” *and replace by* “The height of breakwater at Mus wharf is being increased.”

Article 9.4, para 2

Insert at the end of line 6 “two lattice masts of 25m height are constructed South of Keating point light house.”

Article 9.4, para 7, delete line 7to 9

Article 9.4, delete para 14 and replace by

14 Mus, the principal village of Car Nicobar lies 1 mile SE of Keating Point, at the head of a small inlet.

Article 9.6, para 1, line 5

Insert text “The jetty is damaged post tsunami and is ruined.” *after text* “..... for boats.”

Article 9.6, delete para 2

Article 9.6, renumber para 3 to 2

Article 9.6, delete para 4

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
E6053-75	- P-04	22 20-32 N 39 04-23 E *	Fl R *	7	5		
E6053-8	- P-05	22 20-05 N 39 04-11 E *	Fl G *	7	5		
F0702.1	-- Rear 360m from front	9 57.90N 76 16.90E	Iso W 4s	15	11	White metal framework tower, red bands	*



SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

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

NIL

INP 31(2), 2007

(Last correction: Edition No. 18 dated 16 Sep 11)

Page 74 BEACONS TRANSMITTING DGPS CORRECTION, India section

Delete Krishnapatnam Lt and Replace by

Krishnapatnam	RS 1	14° 17' 11.80003N 80° 07' 34.52794E	297	100	432	116	100	yes	Operational	5, 7, 9, 16
	RS 2	14° 17' 11.68383N 80° 07' 34.69232E			433					

INP 31(5), 1997

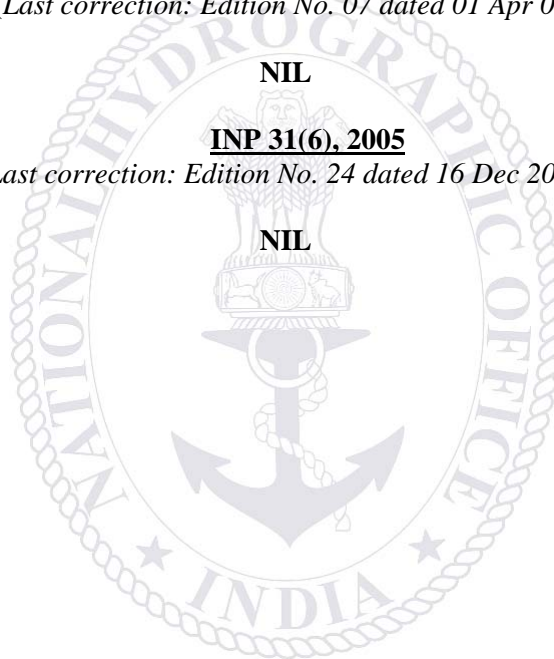
(Last correction: Edition No. 07 dated 01 Apr 09)

NIL

INP 31(6), 2005

(Last correction: Edition No. 24 dated 16 Dec 2011)

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. When a position is defined by bearings (true or magnetic to be specified) more than two bearings should be used in order to provide a check. Distances observed by Radar should be corrected for index errors. Latitude and Longitude obtained from GPS / DGPS should specify the datum (WGS 84 or other). A copy / tracing from the largest scale chart may be used for forwarding details, with the corrections and additions being shown thereon in red.

Depth Reporting

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether 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 applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

5. Reports, which cannot be confirmed or are lacking in certain details should not be withheld. Limitations or shortcomings should be duly notified in the form.

6. Reports on shoal soundings, uncharted dangers and navigational aids out of order should be reported through fastest available means at the mariner's discretion, and also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 50 metres should be of sufficient importance to justify a radio message.

7. Port information should be forwarded on form IH 102a together with IH 102. Form 102a contains the information required for Sailing Direction and should be used as an *aide memoir*. Where there is insufficient space on the form, additional sheet should be used.

Please Note: - The receipt of all Hydrographic Notes will be duly acknowledged by the Hydrographic Office. Normally, the sender's ship or name is quoted as the source when the Notices to Mariners reporting the change is issued, unless the information is received through a foreign Notices to Mariners. Further communication from the Hydrographic Office to the sender of the hydrographic note will only be necessary to verify unusual features or abnormal values reported.

I.H. 102

HYDROGRAPHIC NOTE

(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)

1. Name of ship or sender	
2. Address of sender	
(i) E-mail	
(ii) Fax No.	
(iii) Tel. No.	
3. General Locality	
4. Chart / Publication Affected:	
(i) Chart published by INHO / UKHO / other (Specify).	
(ii) Chart No.	
(iii) Edition Date.	
(iv) Latest Edition of Indian N to M held	
5. Details of Changes / Dangers Observed.	
Object of Change.	
(i) Date/Time of observation	
(ii) Charted Observed	
(iii) Position/Area	
(a) Bathymetry:	
(i) Depth	
(ii) Depth Contour	
(iii) Channel Depth	
(b) Navigational Dangers:	
(i) New Shoals	
(ii) New Rocks	
(iii) New Reefs	
(iv) New Wrecks	
(v) New Nav-aid (Specify)	
(c) Casualties to existing Nav-Aids:	
(i) Buoys	
(ii) Lights	
(iii) Fog signals	
(iv) Racons	
(v) Transit Marks	
(vi) Leading Lines	
(vii) Clearance bearings	
(d) Designated Areas:	
(i) Exercise Areas	
(ii) Prohibited Areas	
(iii) Pilot Station	
(iv) Anchorage	
(v) Foul Ground	

(e) Port Information:	
(i) Berthing	
(ii) Cranage	
(iii) Tugs	
(iv) Dry Docks	
(v) Repair Facilities	
(vi) Pilotage	
(vii) Fuel	
(viii) Water	
(ix) Any other (Specify)	
(f) Environmental Data	
(i) Met information	
(ii) Tides and Tidal Stream	
(iii) Pollutants	
(iv) Effluents	
(v) Marine Life / Habitats	
(g) Other changes, if any, with Details:	
6. Information on the Positions of Danger / Changes Reported above:	
(a) Positioning System used	
(b) Datum [WGS/Everest/ Local (Specify)]	
(c) Accompanying plots / photographs if any	
7. Information on the Soundings / Depths Reported above:	
(a) Echo Sounder (Type) used	
(b) Draught of Vessel set on Echo Sounder	
(c) Observed water depth vis-à-vis charted depth	
(d) Echo-gram accompanying this report: Yes / No	
(e) Whether voltage drop existed in equipment at observation time	
(f) Data and Time of depth observation	
8. Limitations if any in Reporting the changes above	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date

I.H. 102a

HYDROGRAPHIC NOTE FOR PORT INFORMATION**(For Reporting Changes to Port Information)**

1 Name and Address of the Port.	
(a) Name	
(b) Address	
(c) Phone No's	
(d) Web Site	
(e) E Mail	
2 General Remarks	
(a) Principal activities and trade	
(b) Number of ships and tonnage handled per year	
(c) Maximum size of draught of vessel handled	
(d) Soft copy of port handbook	
3 Anchorages	
(a) Type/Purpose	
(b) Minimum depth	
(c) Shelter afforded	
(d) Holding Ground	
(e) Recommended Pilotage to the anchorages	
(f) Request Pilots appreciation to the approach of anchorage area	
4 Pilotage	
(a) Authority for request	
(b) Embarkation Position	
(c) Regulations	
(d) Documents to be provided	
(e) Request Pilots appreciation to the approach of inner harbour and berths.	
(f) Information on Vessel Traffic Management System (VTMS).	
(g) Navigational aid	
(i) List of beacons	
(ii) Buoys	
(iii) Lighthouses	
(iv) Any other information	
5 Directions	
(a) Entry and berthing information	
(b) Tides (Range of the tides)	
(c) Tidal stream information in the area	
(d) Type of season (max/min temperature, rain fall, wind speed and direction)	
6 Pollution Control	
Local regulation in force (if any)	

7 Tugs	
(a) Number available/Type	
(b) Maximum HP/Bollard Pull	
(c) Requesting authority	
(d) Availability times	
(e) Communication with tugs	
(f) Hiring charges	
8 Berthing and wharves	
(a) Type & number of berths available	
(b) Length	
(c) Depth alongside	
(d) Facilities available	
(e) Procedure for requesting berth and hiring charges.	
9 Cargo Handling	
(a) Containers	
(b) Lighters	
(c) Roll on / Roll off etc.	
10 Cranes	
(a) Brief details max lifting capacity, height of boom at wharf level and outreach	
(b) Container handling facilities.	
11 Bridges	
Vertical clearance	
12 Repairs	
(a) Hull machinery and underwater	
(b) Ship and boat yards	
(c) Docking or slipway facilities (size or dimensions of vessels handled)	
(d) Hards and ramps	
(e) Divers/Diving Assistance	
13 Rescue and distress	
(a) Salvage, lifeboats, life guards etc	
14 Supplies	
(a) Fuel (type and quantities available)	
(b) Fresh water and rate of supply	
(c) Provisions	
(d) Chart agents	
15 Services	
(a) Radio/telegram/fax /telephone	
(b) Internet	
(c) Medical	
(d) Quarantine	
(e) counsel	
(f) Ship chandlery and stevedores	
(g) Compass adjustment	
(h) Tank cleaning	
(j) Hull painting	
(k) Police	

(l) Ambulance	
(m) Fire fighting (fixed and mobile facilities)	
(n) Navigational warning and weather bulletin	
(p) garbage disposal	
(q) Waste oil disposal	
(r) Helicopter landing facilities	
16 Communications	
(a) Road, rail and air services available	
(b) Nearest airport or airfield	
(c) Port radio and information service (Frequencies and operating hours)	
17 Port Authority	
Designation, address and phone number	
18 Security	
(a) Security of ports/ International Ship and Port Facility (ISPS) competence	
(b) Container Security Initiative (CSI)	
(c) Custom and Immigration regulation in ports	
19 Small craft facilities	
(a) Information and facilities for small craft yachts visiting the port	
(b) Yacht clubs, berths etc	
20 Shore leave	
21 Clubs recreation	
(a) information kiosk (location)	
(b) Foreign exchange firms/banks (within/near port area)	
(c) Places of interest near port	
(d) Hotels/ restaurants (Type of food served e.g Chinese, continental etc)	
22 Views (duly annotated), photographs of the approaches, leading marks, the entrance to the harbour etc.	
23 Any other information considered to be useful for the mariners	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date



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