



INDIAN NOTICES TO MARINERS



EDITION NO. 12 DATED 16 JUN 2010
(CONTAINS NOTICES 172 TO 177)

REACH US 24 x 7



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

FEEDBACK: in的角度_marinesafety@dataone.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 short comings 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 INT 1 (5020).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

Source of Information. A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

Sailing Directions. Corrections for the Sailing Directions (Pilots) are given in Section VI.

Lights. Corrections to Indian list of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the list of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

Radio Signals. The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

Laws and Regulations. While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

Correction of Charts and Publications by the Users. Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

Reliance on Charts and Associated Publications. While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of hydrographic objects shown on 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, ENCS AND PUBLICATION

1. The new edition Indian Charts that are 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>
218	15-05-2010	KASARAGOD TO TELLICHERRY <u>Limits</u> 11° 37'.40N; 74° 15'.00E. 12° 30'.50N; 75° 38'.00E.	1,50,000	3	Rs. 1527.00
2054	30-04-2010	VERAVAL <u>Limits</u> 20° 49'.50N; 70° 17'.00E. 20° 56'.50N; 70° 26'.20E. MADHWAD BAY <u>Limits</u> 20° 37'.00N; 70° 48'.00E. 20° 43'.30N; 70° 57'.19E.	25,000	2	Rs. 1527.00

2. The Indian Charts permanently withdrawn are 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>
218	31-08-2000	KASARAGOD TO TELLICHERRY	218	15-05-2010
2054	31-05-2003	VERAVAL; MADHWAD BAY	2054	30-04-2010

3. The new edition Electronic Navigation Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
IN42083A	2083	APPROACHES TO SIKKA	15-03-2010

4. The Indian Electronic Navigation Chart permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
IN42083A	2083	APPROACHES TO SIKKA	31-05-2009

VI

5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
356 (INT 7400)	CHENNAI TO RAMAYPATNAM	3,00,000	New Edition
2004 (INT 7359)	KOCHI (COCHIN HARBOUR)	25,000	New Edition
2045 (INT 7360)	PORT OF KOCHI (COCHIN)	7,500	New Edition
201	GORA CHAN CREEK TO GODIA CREEK	1,50,000	New Edition

Availability of ENC's.

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian. 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@dataone.in in角度_marinesafety@dataone.in in角度_sales@dataone.in Website: www.hydrobharat.nic.in</p>	<p>Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 India Ph: 91-22- 65103668 Fax: 91- 22- 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</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 list of charts affected by the Notices 172 to 177 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	172
31	5	177(T)
32(INT754)	5	177(T)
33	5	177(T)
204	2	172
205	2	172
217	3	173
252(INT7325)	3	172
258(INT7348)	3	173
262	4	177(T)
272	4	173
288	1	175
292(INT7021)	2	172
293(INT7022)	3	173
308	5	177(T)
352(INT7416)	5	177(T)
353(INT7413)	5	177(T)
354(INT7408)	5	177(T)
355(INT7405)	5	177(T)
357(INT7397)	5	177(T)
391	5	177(T)
2004(INT7359)	3	174
2052(INT7350)	3	173
2090	1	176

SECTION – II
PERMANENT NOTICES

***172/(12/10) INDIA – WEST COAST – Dwarka to Navibandar – Wreck.**

Source: DG Shipping & Navarea VIII – 359/10.

(HJ/1131/10)

Wreck of M/V Seagull– 5.

Chart 21 [previous update 159/10]

Insert  PA 21° 32′.27N., 69° 40′.71E.

Chart 292(INT7021) [previous update 159/10]

Insert  PA 21° 32′.27N., 69° 40′.71E.

Chart 252(INT7325) [previous update 135/10]

Insert  PA 21° 32′.27N., 69° 40′.71E.

Chart 204 [previous update N.E. 30 Apr 10]

Insert  PA 21° 32′.30N., 69° 40′.70E.

Chart 205 [previous update 135/10]

Insert  PA 21° 32′.27N., 69° 40′.71E.

*** 173/(12/09) INDIA – WEST COAST – Approaches to Port of New Mangalore – Wreck.**

Source: IH 102 INS Investigator.

(HJ/1030/25)

Wreck of MV Asian Forest

Chart 293(INT7022) [previous update 140/10]

Insert  Masts 12° 47′.91N, 74° 44′.42E

Delete  PA 12° 48′.30N, 74° 44′.30E

Chart 272 [previous update 043/10]

Insert  Masts 12° 47′.91N, 74° 44′.42E

Delete  PA 12° 48′.30N, 74° 44′.30E

Chart 258(INT7348) [previous update 094/10]

Insert  Masts 12° 47′.91N, 74° 44′.42E

Delete  PA 12° 48′.30N, 74° 44′.30E

Chart 217 [previous update 310/09]

Insert  Masts 12° 47′.91N, 74° 44′.42E

Delete  PA 12° 48′.30N, 74° 44′.30E

Chart 2052(INT 7350) [previous update 333/09]

Insert  Masts 12° 47′.91N, 74° 44′.42E

Delete  PA 12° 48′.30N, 74° 44′.30E

***174/(12/10) INDIA – WEST COAST – Kochi Harbour – Legend.**

Source: Harbour Master, Cochin Port Trust.

(HJ/1030/93)

Chart 2004(INT7359) [previous update 152/10]

Amend legend to: Disused (South dumping) 09° 55′.43N., 76° 08′.23E.

legend to: Disused (North dumping) 10° 00′.16N., 76° 08′.23E.

175/(12/10) ARABIA – Approaches to Shaţţal. Arab – Khawr al Kafka – Wrecks.

Source: BA Notice – 2861/10.

(HJ/1133/91)

Chart 288 [previous update 163/10] [WGS84 DATUM]

Substitute



29° 39′.2N., 48° 42′.2E.

Delete



29° 42′.0N., 48° 42′.0E.

176/(12/10) Gulf of Oman – Approaches to Said Bin Sultan Naval Base – Khawr Wudam Eastwards – Lights. Breakwaters.

Source: BA Notice – 2916/10.

(HJ/1132/32)

Chart 2090 [previous update 150/09]

Insert

★ Iso.G.4s4m3M

(a) 23° 48′.50N., 57° 34′.24E.

★ Iso.R.4s5m3M

(b) 23° 48′.45N., 57° 34′.25E.

breakwater, single firm line, joining:

23° 48′.37N., 57° 34′.07E. (shore)

23° 48′.45N., 57° 34′.10E.

23° 48′.50N., 57° 34′.18E.

(a)above

23° 48′.52N., 57° 34′.33E.

and

(b)above

23° 48′.38N., 57° 34′.26E.

23° 48′.30N., 57° 34′.24E.(shore)



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***177(T)/(12/10) INDIA – EAST COAST – Bay of Bengal – Underwater Moorings.**

Source: NIO Goa.

(HJ/1029/59)

1. Following underwater moorings consisting of an upward looking Acoustic Doppler Current Profiler (ADCP) for measuring the current laid in the following positions:

Sl. Mooring	Position		Depth of ADCP(m)	Charts Affected
	Latitude	Longitude		
01 BNBD-1	18° 59.93N	88° 59.85E	298	31.
02 SSM-1	08° 47.96N	79° 10.79E	79	32(INT754) – 262.
03 BOPD	12° 00.89N	80° 12.24E	330	32(INT754) – 33 – 357(7397).
04 BOPS	12° 01.85N	80° 08.14E	107	32(INT754) – 33 – 357(7397).
*05 BOKD-1	16° 23.23N	82°29.83E	294	31 – 32(INT754) – 355(INT7405) – 391.
*06 BOKS-1	16° 18.42N	80° 10.54E	97	31 – 32(INT754) – 355(INT7405) – 391.
*07 BOGS-2	19° 25.19N	85° 37.96E	103	31 – 352(INT7416) – 353(INT7413).
*08 BOGD-2	19° 22.87N	85° 47.80E	297	31 – 352(INT7416) – 353(INT7413).
*09 BNBD-2	19° 03.96N	88° 54.15E	360	31.
*10 BOVS -1	17° 48.78N	83° 58.67E	101	31 – 32(INT754) – 308– 354(INT7408) – 391.

2. All vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.

3. * Indicates new entries.

4. ***Former INM 130(T)/10 is cancelled.***

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 and Publications New No. 221, Old No. 107, Unit No. F9, Hotel Chennai Palace, Angappa Naicken Street Chennai – 600001, Telefax : 044-42165008 Email: maritimeindia@airtelmail.in
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammampeta, 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 23736956/6907, 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

SECTION – V
NAVAREA – VIII WARNING 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 Warning Inforce as on 15 Jun 10.

2010 Series : 114 138 195 252 264 297 303 304 314 315 321 325 335 338 339 340 342 349 351
352 353 354 355 356 357 359 361 362 363 364

3. NAVAREA VIII Warnings issued during the period from 01 Jun 10 to 15 Jun 10 (both dates inclusive) are as tabulated below:-

335. India West Coast – Arabian Sea . Charts 21 22 292 INT 705 . Seismic survey is in progress by survey vessel Geowave commander till 15 Jun 2010 in area bounded by					
(a)	22-51.00N	068-06.86E	(b)	22-51.00N	068-33.30E
(c)	22-15.17N	068-33.30E	(d)	22-15.17N	068-19.46E
(e)	22-21.00N	068-19.46E	(f)	22-21.00N	068-08.17E
(g)	22-32.97N	068-08.17E	(h)	22-32.97N	068-06.86E
2. The vessel will be towing six streamers of 6500 metres . Each marked at the tail with a yellow coloured buoy with white flashing light . Seismic cables are immersed in the water at the depth between 07 to 09 metres.					
3. Mariners to exercise caution and give wide berth of atleast 05 NM all around the vessel.					
4. Cancel this message on 16 Jun 2010.					
336. Self cancelling. Cancel Navarea VIII message 332 of 2010. India West Coast – Alang. Charts 21 208 254 292 2044 INT 705. Racon code ‘C’ re-established on Alang lighthouse, 21-24.27N 072-11.09E after maintenance.					
337. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery on following dates					
	Date	Time (UTC)			
	08 Jun 2010	0900 to 1200 and 1230 to 1430			
	11 Jun 2010	0900 to 1200			
2. Danger area bounded by					
(a)	09-57.50N	075-59.50E	(b)	09-57.70N	076-14.20E
(c)	09-44.00N	076-17.50E	(d)	09-42.50N	076-09.50E
3. Safe flying height 10000 metres.					
4. Cancel this message on 12 Jun 2010.					
338. India East Coast- Bay of Bengal . Charts 31 353 INT 706. 2D Seismic survey is in progress by survey vessel Akedmik Fresman till 15 Jun 2010 in area bounded by					
(a)	15-40.00N	081-05.00E	(b)	15-40.00N	081-25.00E
(c)	15-20.00N	081-25.00E	(d)	15-20.00N	081-05.00E
2. Vessel will tow 4500 metres long marine seismic cable . End marked with flashing light and radar responder.					
3. All vessels operating in vicinity to exercise caution and maintain a clearance of 04 NM all around the vessel.					
4. Cancel this message on 16 Jun 2010.					
339. India East Coast– Bay of Bengal . Charts 31 32 33 INT 706 . 2D seismic/gravity and magnetic data acquisition operations is in progress by survey vessel professor Kurentsov till 15 Jun 2010 in area bounded by					
(a)	14-54.00N	082-30.00E	(b)	14-30.00N	082-30.00E
(c)	14-30.00N	082-00.00E	(d)	14-43.00N	082-00.00E
(e)	14-43.00N	082-10.00E	(f)	14-54.00N	082-26.00E
2 Vessel towing 8450 metres long streamer cable attached to yellow coloured tail buoy with white light.					
3. Vessel operating in vicinity to maintain a clearance of 04 NM either side, 03 NM ahead and 07 NM astern of the vessel and exercise caution.					
4. Cancel this message on 16 Jun 2010.					

340. Cancel Navarea VIII message 311 of 2010 . India East Coast –Bay of Bengal . Charts 31 32 355 INT 706.		
3D Seismic survey is in progress by survey vessel Pacific Sword till 15 Jun 2010 in area bounded by		
(a)	16-18.59N 081-32.36E	(b) 16-10.00N 081-50.10E
(c)	16-11.15N 081-54.43E	(d) 16-15.58N 081-45.32E
2.	Vessel towing 02 in number 5100 metres long streamer cables, each attached with orange coloured tail buoy flashing white light and radar reflector.	
3.	All vessels operating in vicinity to give a wide berth of 04 NM around the vessel and exercise caution.	
4.	Cancel this message on 16 Jun 2010.	
341. Self cancelling . Cancel Navarea VIII message 271 of 2010.		
342. Cancel Navarea VIII messages 277 292 and 313 of 2010. India West Coast – Arabian Sea. Charts 21 22 202 207 209 211 251 253 254 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows		
	ABAN ICE	18-45.06N 071-16.38E
	ABAN II	20-23.61N 072-09.93E
	ABAN III	19-31.16N 072-19.85E
	ABAN IV	19-32.26N 071-24.08E
	ABAN V	19-33.48N 071-24.91E
	BADRINATH	18-31.98N 072-00.91E
	CE THRONTON	20-14.96N 071-58.31E
	DISCOVERY 1	19-11.99N 072-11.00E
	FG MCCLINTOCK	19-47.88N 072-07.53E
	GREATDRILL CHETNA	20-32.30N 072-08.88E
	GREATDRILL CHITRA	22-55.26N 067-49.50E
	JT ANGEL	18-47.21N 072-19.52E
	NOBLE GEORGE MCLEOD	19-13.43N 071-28.71E
	NOBLE CHARLIE YESTER	18-38.78N 072-14.93E
	NOBLE ED HOLT	19-35.30N 072-24.38E
	RON TAPMEYER	18-29.85N 072-15.00E
	SAGAR GAURAV	19-19.91N 071-05.38E
	SAGAR JYOTI	20-22.48N 072-02.40E
	SAGAR KIRAN	19-25.00N 072-13.83E
	SAGAR LAXMI	18-36.16N 071-01.64E
	SAGAR PRAGATI	19-37.35N 071-21.66E
	SAGAR SAMRAT	19-32.13N 071-18.81E
	SAGAR SHAKTI	19-17.48N 072-03.81E
	SAGAR UDAY	19-24.61N 071-21.26E
	TRIDENT – 2	19-18.26N 072-15.93E
	TRIDENT – 12	18-32.70N 072-13.98E
	VIRTUE 1	19-23.48N 071-25.18E
2.	Wide berth requested.	
343. Cancel Navarea VIII messages 278 290 and 323 of 2010 . India East Coast– Bay of Bengal. Charts 31 32 33 301 351 352 353 354 355 356 357 3009 INT 706 . Present position of oil rigs / drill ships as follows		
	DISCOVERER SEVEN SEAS	16-23.99N 082-23.97E
	DHEERU BHAI DEEPWATER KG-1	17-28.47N 085-14.76E
	DEEP SEA MATDRILL	09-20.58N 079-06.88E
	ENERGY DRILLER	16-19.23N 082-15.77E
	HERCULES 258	16-40.43N 082-24.00E
	HERCULES 260	16-20.81N 081-52.81E
	SAGAR BHUSHAN	16-31.45N 082-22.66E
	SAGAR VIJAY	16-35.11N 082-27.67E
	DISCOVERER 534	18-35.58N 088-33.47E
	DEEP WATER EXPEDITION	16-56.60N 082-30.90E
	DEEP WATER FRONTIER	16-10.00N 082-39.00E
	DHEERU BHAI DEEPWATER KG-2	16-42.50N 082-35.40E
	BLACKFORD DOLPHIN	17-55.30N 083-18.79E
	GEO HOLM	16-35.07N 082-27.02E
	HAKURYU 5	20-37.14N 088-14.24E
2.	Wide berth requested.	

344.	Self Cancelling. Cancel Navarea VIII message 301 of 2010 issued by INM 11 of 2010.
345.	Self Cancelling. Cancel Navarea VIII message 302 of 2010.
346.	India East Coast - Gopalpur. Charts 31 352 353 3005 INT 706 . Air Defence firing will be carried out between 2330 UTC to 1800 UTC from 09 Jun to 12 Jun 2010 . Danger area bounded by (a) 19-14.60N 084-53.70E (b) 19-37.05N 085-27.85E (c) 18-46.05N 085-22.86E and arc of 42 NM radius joining point (b) and (c) 2. Safe flying height 6100 metres. 3. Cancel this message on 13 Jun 2010.
347.	Arabian Sea – Off Salalah. Charts 21 INT 71 INT 72 INT 704 . Tug Roma and barge Kanta (Indian flag) in distress . Last known position 18-24.7N 059-43.4E at 1109 UTC on 03 Jun 2010. 2. All vessels operating in vicinity to keep sharp lookout and render assistance.
348.	Self Cancelling. Navarea VIII-Warning Inforce 2010 series – 114 138 195 252 264 297 303 304 314 315 318 319 321 322 324 325 329 333 335 337 338 339 340 341 342 343 344 345 346 347
349.	India West Coast – Mormugao. Charts 22 257 INT 705 INT 706. Firing practice by naval aircraft between 0230 UTC to 1230 UTC from 14 Jun to 21 Jun 2010. Danger area bounded by (a) 15-13.00N 073-57.00E (b) 15-13.00N 073-52.00E (c) 15-11.00N 073-52.00E (d) 15-11.00N 073-57.00E 2. Safe flying height 3500 metres. 3. Cancel this message on 22 Jun 2010.
350.	Self Cancelling. Cancel Navarea VIII message 347 of 2010.
351.	Cancel Navarea VIII Messages 343 of 2010. India East Coast– Bay of Bengal. Charts 31 32 33 301 351 352 353 354 355 356 357 3009 INT 706. Present position of oil rigs / drill ships as follows DISCOVERER SEVEN SEAS 16-23.99N 082-23.97E DHEERU BHAI DEEPWATER KG-1 17-28.47N 085-14.76E DEEP SEA MATDRILL 09-20.58N 079-06.88E ENERGY DRILLER 16-19.23N 082-15.77E HERCULES 258 16-40.43N 082-24.00E HERCULES 260 16-20.81N 081-52.81E SAGAR BHUSHAN 16-31.45N 082-22.66E SAGAR VIJAY 16-35.11N 082-27.67E DISCOVERER 534 18-35.58N 088-33.47E DEEP WATER EXPEDITION 16-56.60N 082-30.90E DEEP WATER FRONTIER 16-10.00N 082-39.00E DHEERU BHAI DEEPWATER KG-2 16-42.50N 082-35.40E GEO HOLM 16-35.07N 082-27.02E HAKURYU 5 20-37.14N 088-14.24E 2. Wide berth requested.
352.	India West Coast- Mormugao. Charts 214 2078 INT 705. Starboard hand buoy number 3 missing from position 15-24.91N 073-46.14E 2. Mariners to exercise caution.
353.	India West Coast- New Manglore. Charts 217 2002 2052 INT 705. Port hand buoy number 2 missing from position 12-55.03N 074-45.13E 2. Mariners to exercise caution.
354.	India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery on following dates Date Time (UTC) 15 Jun 2010 0900 to 1200 and 1230 to 1430 18 Jun 2010 0900 to 1200 2. Danger area bounded by (a) 09-57.50N 075-59.50E (b) 09-57.70N 076-14.20E (c) 09-44.00N 076-17.50E (d) 09-42.50N 076-09.50E 3. Safe flying height 10000 metres. 4. Cancel this message on 19 Jun 2010.

<p>355. Indian Ocean–Western Part. Charts INT 71 INT 72 INT 702. M/V Rim (IMO 7328554) adrift in last known position 10-00.00N 051-41.00E at 061400Z.</p> <p>2. Vessel is drifting in N-NE direction with about 1-2 knots.</p> <p>3. Mariners to exercise caution.</p>																
<p>356. India East Coast- Bay of Bengal. Charts 31 301 351 352 INT 73 INT 706. Experimental Rocket Launch scheduled from ITR launch complex between 0030 UTC to 0630 UTC from 18 to 19 Jun 2010</p> <p>2. Danger zone-area bound by following points:</p> <table> <tr> <td>(a) 21-24.32N</td> <td>086-54.96E</td> <td>(b) 21-10.76N</td> <td>086-53.69E</td> </tr> <tr> <td>(c) 20-49.26N</td> <td>087-16.22E</td> <td>(d) 19-46.85N</td> <td>087-41.80E</td> </tr> <tr> <td>(e) 20-08.14N</td> <td>088-15.19E</td> <td>(f) 20-38.32N</td> <td>088-39.66E</td> </tr> <tr> <td>(g) 21-03.60N</td> <td>087-32.58E</td> <td>(h) 21-25.53N</td> <td>087-09.35E</td> </tr> </table> <p>3. No over flight and shipping activity is permissible within the above mentioned area.</p> <p>4. Mariners to exercise caution.</p> <p>5. Cancel this message on 20 Jun 2010.</p>	(a) 21-24.32N	086-54.96E	(b) 21-10.76N	086-53.69E	(c) 20-49.26N	087-16.22E	(d) 19-46.85N	087-41.80E	(e) 20-08.14N	088-15.19E	(f) 20-38.32N	088-39.66E	(g) 21-03.60N	087-32.58E	(h) 21-25.53N	087-09.35E
(a) 21-24.32N	086-54.96E	(b) 21-10.76N	086-53.69E													
(c) 20-49.26N	087-16.22E	(d) 19-46.85N	087-41.80E													
(e) 20-08.14N	088-15.19E	(f) 20-38.32N	088-39.66E													
(g) 21-03.60N	087-32.58E	(h) 21-25.53N	087-09.35E													
<p>357. India East Coast - Visakhapatnam. Charts 31 32 308 354 3002 3012 INT 706. Seaward firing exercise by Naval Coast Battery from 1500 UTC to 1700 UTC on 16 Jun 2010. Danger area bounded by:</p> <table> <tr> <td>(a) 17-42.00N</td> <td>083-18.00E</td> <td>(b) 17-47.00N</td> <td>083-32.00E</td> </tr> <tr> <td>(c) 17-34.00N</td> <td>083-30.00E</td> <td>(d) 17-28.00N</td> <td>083-18.00E</td> </tr> </table> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 17 Jun 2010.</p>	(a) 17-42.00N	083-18.00E	(b) 17-47.00N	083-32.00E	(c) 17-34.00N	083-30.00E	(d) 17-28.00N	083-18.00E								
(a) 17-42.00N	083-18.00E	(b) 17-47.00N	083-32.00E													
(c) 17-34.00N	083-30.00E	(d) 17-28.00N	083-18.00E													
<p>358. Self Cancelling. Andaman Sea-Andaman islands. Charts 41 472 INT 706. Floating dock Duckson-6000 sunk in position 06-29.37N 093-29.39E.</p> <p>2. Mariners to exercise caution.</p>																
<p>359. India West Coast- Porbandar. Charts 21 292 INT 705. M/V Seagull-5 (IMO 8838893) aground in position 21-32.30N 069-40.70E</p> <p>2. Mariners to exercise caution.</p>																
<p>360. Self Cancelling. Navarea VIII-warning inforce: 2010 Series – 114 138 195 252 264 297 303 304 314 315 321 325 335 337 338 339 340 342 346 349 351 352 353 354 355 356 357 358 359 360</p>																
<p>361. India west coast- off okha. Charts 21 291 INT 705. Passage of rig Pride Hawaii under tow to Asry, Bahrain suspended view unable to jackdown and weather. Rig seeking refuge at position 22-35.08N 067-57.06E for duration of monsoon season</p> <p>2. Mariners to give wide berth and exercise caution.</p>																
<p>362. Self Cancelling. India West Coast – Gulf of Kachchh. Charts 21 203 291 2068 INT 705. STS lighterage operations at LPO Mumbai shifted to LPO Vadinar within 1 NM radius of position 22-32.00N 069-36.50E.</p> <p>2. Mariners to exercise caution.</p>																
<p>363. India East Coast- Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval Coast Battery from position 13-07.17N 080-18.07E between 0530 UTC to 0730 UTC on 25 Jun 2010</p> <p>2. Danger zone sector of 11 NM radius between 045 degree and 075 degree from gun position</p> <p>3. Safe flying height 12800 metres</p> <p>4. Cancel this message on 26 Jun 2010</p>																
<p>364. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery on following dates:</p> <table> <thead> <tr> <th>Date</th> <th>Time (UTC)</th> </tr> </thead> <tbody> <tr> <td>22 Jun 2010</td> <td>0900 to 1200 and 1230 to 1430</td> </tr> <tr> <td>25 Jun 2010</td> <td>0900 to 1200</td> </tr> </tbody> </table> <p>2. Danger area bounded by:</p> <table> <tr> <td>(a) 09-57.50N</td> <td>075-59.50E</td> <td>(b) 09-57.70N</td> <td>076-14.20E</td> </tr> <tr> <td>(c) 09-44.00N</td> <td>076-17.50E</td> <td>(d) 09-42.50N</td> <td>076-09.50E</td> </tr> </table> <p>3. Safe flying height 10000 metres.</p> <p>4. Cancel this message on 26 Jun 2010.</p>	Date	Time (UTC)	22 Jun 2010	0900 to 1200 and 1230 to 1430	25 Jun 2010	0900 to 1200	(a) 09-57.50N	075-59.50E	(b) 09-57.70N	076-14.20E	(c) 09-44.00N	076-17.50E	(d) 09-42.50N	076-09.50E		
Date	Time (UTC)															
22 Jun 2010	0900 to 1200 and 1230 to 1430															
25 Jun 2010	0900 to 1200															
(a) 09-57.50N	075-59.50E	(b) 09-57.70N	076-14.20E													
(c) 09-44.00N	076-17.50E	(d) 09-42.50N	076-09.50E													

6.1

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

-NIL-

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6576	- Ponta Matirre	17 16-56 S 38 10-99 E	Fl(2+1)W 12s	53	13	White metal framework tower, red bands 13	TE 2010 *
		*		*	*		
D7335-5	Keshal Rock (AMNAS)	26 23-62 N 56 24-74 E	Fl(2)W 5s	3	5	⊙ on black beacon, red band	
	*	*	*	*	*	*	
K1076-7	Remove from list						



SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2009)

NIL

INP 31(2), 2007

(Last correction: Edition No. 04 dated 16 Feb 10)

NIL

BA, VOLUME 3 Part 1, NP 283(1), 2006/07

(Last correction: Edition No. 15 dated 01Aug 2006)

NIL

INP 31(5), 1997

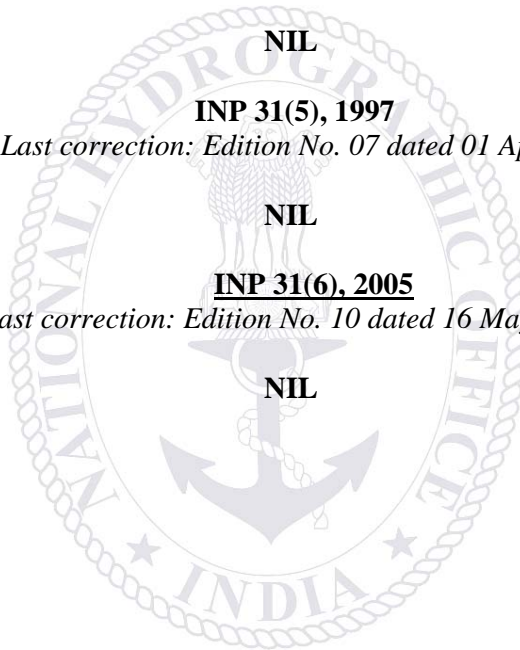
(Last correction: Edition No. 07 dated 01 Apr 09)

NIL

INP 31(6), 2005

(Last correction: Edition No. 10 dated 16 May 2010)

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@dataone.in; inho_marinesafety@dataone.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 harbor 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 harbor etc.	
23 Any other information considered to be useful for the mariners	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date