



INDIAN NOTICES TO MARINERS FOR 2008

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

EDITION No. 13 DATED 01 JUL 2008

(CONTAINS NOTICES 356 TO 376)

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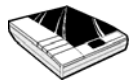
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Mariner's Obligation and A Chart Maker's Plea. Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the above mentioned address/fax number/ E mail ID 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.

**Chief Hydrographer
to the Government of India**

**National Hydrographic Office
Post Box No. 75
Dehradun 248 001
India**

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For the Indian Ocean Area
**INSIST ON INDIAN CHARTS AND
PUBLICATIONS**
(Original, Authentic and Most Up-to-date)

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts (both Indian and BA) affected by the notices contained in this edition. Where as 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 X.

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. These corrections are not inserted on charts before they are issued to the users. 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 can not 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.

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) Where ever 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 & 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.

INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

(a) NEW INDIAN CHART

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2073	31-05-2008	APPROACHES TO KUNDAPURA (COONDAPOOR) <u>Limits</u> 13° 30'.00N; 74° 28'.70E. 13° 50'.00N; 74° 42'.00E.	37 500	3	Rs. 1360.00

(b) NEW EDITION INDIAN CHART

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2045 (INT 7360)	31-05-2008	PORT OF KOCHI (COCHIN) <u>Limits</u> 09° 56'.40N; 76° 13'.60E. 09° 59'.00N; 76° 17'.62E.	7 500	3	Rs. 1360.00
2075 (INT 7366)	31-05-2008	TUTICORIN HARBOUR: <u>Limits</u> 08° 42'.10N; 78° 08'.60E. 08° 50'.00N; 78° 17'.30E. APPROACHES TO TUTICORIN <u>Limits</u> 08° 39'.80N; 78° 07'.24E. 08° 52'.30N; 78° 28'.00E.	25 000 60 000	4	Rs. 1360.00
2017	31-05-2008	NAVLAKHI AND APPROACHES <u>Limits</u> 22° 50'.30N; 70° 13'.60E. 22° 59'.00N; 70° 28'.00E.	25 000	2	Rs. 1360.00
221	31-05-2008	ALLEPPEY TO QUILON <u>Limits</u> 08° 45'.50N; 75° 23'.00E. 09° 40'.00N; 76° 45'.80E.	150 000	3	Rs. 1360.00

(c) INDIAN CHART PERMANENTLY WITHDRAWN

<i>Chart to be withdrawn</i>	<i>Date of Publication</i>	<i>Main Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
2073	31-12-2002	APPROACHES TO KUNDAPURA (COONDAPOOR)	2073(NC)	31-05-2008
2045 (INT 7360)	16-04-2001	PORT OF KOCHI (COCHIN)	2045 (INT 7360) (NE)	31-05-2008
2075 (INT 7366)	15-07-2004	TUTICORIN HARBOUR: APPROACHES TO TUTICORIN	2075 (INT 7366) (NE)	31-05-2008
2017	30-11-2002	NAVLAKHI AND APPROACHES	2017(NE)	31-05-2008
221	31-03-2004	ALLEPPEY TO QUILON	221(NE)	31-05-2008

(d) FORTHCOMING CHARTS AND PUBLICATIONS

Chart No	Title	Scale	Remarks
2008	KARWAR HARBOUR AND APPROACHES	25 000	New Edition
3004 (INT 7403)	MADRAS (CHENNAI) HARBOUR	15 000	New Edition

AVAILABILITY OF ENC's:

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENC's through the world wide net work of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site www.ukho.gov.uk 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- 248 001 Tele: +91 135 2747365 Fax: +91 135 2748373 Email: inho@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 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>
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SECTION – I
List of charts affected by
The Notices 356 to 376 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
33	5	363,364	712(INT 7730)	38	365
41	6	363	801(INT 7143)	32	366
203(INT 7319)	2	356	1312	46	371
301	5	362	2403	45	371,375(P)
351	5	362	3476	46	374(P)
354(INT 7408)	5	361	3574	45	367
355(INT 7405)	5	361	3831	45	371,375(P)
405	6	363	3833	45	372,375(P)
406	6	363	3920	45	367
409	6	364	3948	46	371,372
471	6	364	3949	46	375(P)
472(INT 7032)	6	363,364	4034	45	369,370
473(INT 7031)	6	363	4035	45	369
2009	3	359	4039	45	372
2021	2	357	4040	45	372
2055	2	358	4041	45	375(P)
2060	2	356	4042	45	375(P)
2068	2	356	4043	45	375(P)
2079	2	357	4044	45	368,375(P)
3003	5	373(T)			
3028	5	360			
4030	6	363			
4036	6	364			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

*** 356/(13/08) INDIA-West Coast – Gulf of Kachchh – Approaches to Salaya and Pathfinder Inlet – Transit Mark. Leading Line.**

Source: INS Investigator ROS A (N) 239.

(HJ/1131/20)

Chart 203 (INT 7319) [previous update 339/08]




Substitute	 FR	for		22° 25' .86N., 69° 40' .18E.
	 FI	for		22° 25' .46N., 69° 40' .24E.

Chart 2068 [previous update 339/08]

Substitute	 FR	for		22° 25' .86N., 69° 40' .18E.
	 FI	for		22° 25' .46N., 69° 40' .24E.

Chart 2060 (Plan, Pathfinder Inlet) [previous update 339/08]


Substitute	 FR	for		22° 25' .86N., 69° 40' .18E.
Insert	Leading Line, Pecked Line , joining extending in direction 172.5°, from:			(a) 22° 25' .57N., 69° 40' .22E.(S Border)
				22° 25' .86N., 69° 40' .18E
			(b)	22° 27' .71N., 69° 39' .93E.
	Legend, 172.5°, at the seaward end of:			(a) — (b) above .

*** 357/(13/08) INDIA – West Coast – Gulf of Kachchh – Mundra Port – Anchorage Area SBM Channel Buoys.**

Source: Mundra Port Limited

(HJ/1131/20)

Chart 2079 [previous update 289/08]

Insert		(a)	22° 43' .2N., 69° 46' .8E.	
	Circular limit, Pecked line, -----, for special anchorage area, of radius 0.25NM, centered on;			(a) above
Amend	light to, SPM Fl(2+1) R 5M			
	Racon (M)		22° 40' .68N., 69° 39' .27E.	
	Fog Horn			
	light to, Fl R			
	No.2		22° 44' .249N., 69° 43' .278E.	
	light to, Fl G			
	No. 3		22° 44' .427N., 69° 43' .188E.	
	light to, Q(6) + LF1			
	No. 5		22° 44' .608N., 69° 43' .193E.	
	light to, Q(9) Fl			
	No. 7		22° 44' .708N., 69° 43' .057E.	
	light to, Q. G 12m			
	Front side		22° 44' .427N., 69° 42' .879E.	
	light to, F.G 15.5m			
	Rear side		22° 44' .439N., 69° 42' .861E.	

*** 357/(13/08) INDIA – West Coast – Gulf of Kachchh – Mundra Port – Anchorage Area SBM Channel Buoys (Continued).**

Chart 2021 [previous update 287/08]

Amend	light to, SPM Fl(2+1) R 5M Racon(M) Fog Horn	22° 40' .68N., 69° 39' .27E.
	light to, Fl R No.2	22° 44' .249N., 69° 43' .278E.
	light to, Fl G No. 3	22° 44' .427N., 69° 43' .188E.
	light to, Q(6) + LF1 No. 5	22° 44' .608N., 69° 43' .193E.
	light to, Q(9) Fl No. 7	22° 44' .708N., 69° 43' .057E.
	light to, Q. G 12m Front side	22° 44' .427N., 69° 42' .879E.
	light to, F.G 15.5m Rear side	22° 44' .439N., 69° 42' .861E.

*** 358/(13/08) INDIA - WEST COAST – Muldwarka Port – Depths.**

Source: INS Sutlej ROS A(N) - 246

(HJ/1130/09)

Chart 2055 [previous update 338/08]

Insert	depth 0_9	20° 45' .564N., 70° 39' .775E.
	depth 3	20° 45' .570N., 70° 39' .805E.
	depth 3_5	20° 45' .536N., 70° 39' .879E.
	depth 3_2	20° 45' .625N., 70° 39' .820E.
	depth 5_5 enclosed by 5m contour	20° 45' .594N., 70° 39' .826E.
Delete	depth 4_2	20° 45' .55N., 70° 39' .89E.

*** 359/(13/08) INDIA – West Coast – Betul Anchorage – Wreck.**

Source: ROS INS Sutlej C(N) - 501

(HJ/1030/56)

Chart 2009 [previous update 596/07]

Substitute	 PA for  PA	15° 08' .45N., 73° 56' .69E.
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*** 360/(13/08) INDIA – East Coast – Ports of Ennore – STS Operation.**

Source: Ennore Port Limited

(HJ/1029/39)

Chart 3028 [previous update 555/07]

Insert	Circular limit of STS operation dia 0.5 NM, -----, & associated legend <i>STS Operation</i> ,centered on	13° 16' .60N., 80° 23' .60E.
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* **361/(13/08) INDIA – East Coast – Sacramento Shoal to Kalingapatnam – Wreck.**

Source: DG Comcentre & NAVAREA VIII Warning 574/07

(HJ/1029/67)

Wreck of Tug ASL Pinto

Chart 354 (INT 7408) [previous update 036/08]

Insert  PA 16° 44'·60N., 82° 21'·50E.

Chart 355 (INT 7405) [previous update 123/08]

Insert  PA 16° 44'·60N., 82° 21'·50E.

* **362/(13/08) INDIA – East Coast – Approaches to Hugli River – Light.**

Indian List of Light Vol. F&K 2003 ; F - 1018

Source: INS Nirupak ROS L(P) - 175

(HJ/1129/11)

Chart 351 [previous update 343/08]

Amend Light to *Fl 15s 12M* for *Fl 10s 12M* 21° 02'·94N., 88° 11'·51E.

Chart 301 [previous update 343/08]

Amend Light to *Fl 15s 12M* for *Fl 10s 12M* 21° 02'·94N., 88° 11'·51E.

* **363/(13/08) ANDAMAAN SEA – INDIAN ANDAMAAN ISLAND – Little Andaman Island to Ten Degree Channel – Depth. Rock.**

Source: INS Nirupak ROS M(N) 170

(HJ/1028/29)

Chart 33[previous update 132/08]

Delete  Repd (1977) 10° 26'·41N., 92° 22'·98E.

 Repd (1899) 10° 59'·95N., 92° 29'·46E.

Chart 41 [previous update 348/08]

Delete  Rep (1977) 10° 26'·41N., 92° 22'·98E.

 ED 10° 59'·95N., 92° 29'·46E.

Chart 472 (INT 7032) [previous update 124/08]

Delete  Bank,
Rep (1977) 10° 26'·41N., 92° 22'·98E.

Chart 473 (INT 7031) [previous update 124/08]

Delete  Rep (1899)
ED 10° 59'·95N., 92° 29'·46E.

Chart 405 [previous update 038/08]

Delete  Rep (1899)
ED 10° 59'·95N., 92° 29'·46E.

Insert  10° 57'·03N., 92° 31'·22E.

*** 363/(13/08) ANDAMAAN SEA – INDIAN ANDAMAAN ISLAND – Little Andaman Island to Ten Degree Channel – Depth. Rock.(Continued).**

Chart 406 [previous update 124/08]

Insert			10° 57'·03N., 92° 31'·22E.
Delete		Bank, Rep (1977)	10° 26'·41N., 92° 22'·98E.
		Rep (1899) ED	10° 59'·95N., 92° 29'·46E.

Chart 4030 [previous update 038/08]

Delete		Rep (1899) ED	10° 59'·95N., 92° 29'·46E.
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*** 364/(13/08) ANDAMAN SEA – INDIA – Nicobar Islands – Approaches to Pulo Millow – Light.**

Indian List of Light Vol.F&K 2003; F – 1223.8

Source: DLL, Port Blair

(HJ/928/76)

Chart 33 [previous update 363/08]

Insert		Fl 10s10M	7° 23'·75N., 93° 45'·63E.
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Chart 471 [previous update 657/07]

Insert		Fl 10s10M	7° 23'·75N., 93° 45'·63E.
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Chart 472(INT 7032) [previous update 363/08]

Insert		Fl 10s10M	7° 23'·75N., 93° 45'·63E.
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Chart 409 [previous update 039/08]

Insert		Fl 10s47m10M	7° 23'·75N., 93° 45'·63E.
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Chart 4036 [previous update 657/07]

Insert		Fl 10s47m10M	7° 23'·75N., 93° 45'·63E.
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Cancel former INM 390(T)/04.

365/(13/08) INDIAN OCEAN - Ile Tromelin - Light.

Indian List of Light Vol. D&E 2003; D - 7073

Source: BA Notice 3005/08

(HJ/732/45)

BA Chart 712 (INT 7730) (plan A, Ile Tromelin) [previous update 517/06]

Amend	light to, Fl.R.4s16m8M	15° 53'·26S., 54° 31'·21E.
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366/(13/08) JORDAN - Al 'Aqabah - Landmark.

Indian List of Light Vol. D&E 2003 – E: 6044.2



Source: BA Notice 3064/08

(HJ/1134/94)

BA Chart 801 (INT 7143) (plan B, Eilat and Al 'Aqabah) [previous update NE 20 Mar 08]

Insert		FLAGSTAFF (Fl.R Lt)	(a)	29° 31'·29N., 35° 00'·05E.
Delete		FLAGSTAFF (Fl.R Lt) PA, close SW of:	(a)	above

BA Chart 801 (INT 7143) (plan C, Port of Al 'Aqabah) [previous update NE 20 Mar 08]


Insert		FLAGSTAFF (Fl.R Lt)	(a)	29° 31'·290N., 35° 00'·047E.
Delete		FLAGSTAFF (Fl.R Lt) PA, close SW of:	(a)	above

367/(13/08) INDONESIA - Sumatera - East Coast - Alur Sembilan and Pangkalansusu Westwards - Depths. Wrecks.

Source: BA Notice 3053/08

(HJ/928/41)

BA Chart 3574 (plan, Teluk Aru) [previous update 612/07]

Insert	depth 3 ₂	(a)	4° 10'·32N., 98° 20'·40E.
	depth 3 ₄		4° 10'·26N., 98° 20'·69E.
			4° 07'·21N., 98° 12'·19E.
			4° 07'·35N., 98° 12'·31E.
Delete	depth 4 ₅ , close SE of:	(a)	above
	depth 3 ₇ , close SW of:	(a)	above

BA Chart 3920 [previous update 436/07]



Insert	depth 3 ₂		4° 10'·32N., 98° 20'·40E.
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368/(13/08) SINGAPORE - Johor Strait - Eastern Part - Pulau Seletar Northwards and Pulau Punggol Barat to Pulau Punggol Timor - Causeway. Obstructions.



Source: BA Notice 3065/08

(HJ/927/16)

BA Chart 4044 {plan B, Pelabuhan Johor (Johor Port)} [previous update 310/08]

Insert	causeway, double firm line, width 40m, joining:	(a)	1° 25'·373N., 103° 53'·235E.
		(b)	1° 25'·405N., 103° 53'·180E.
	legend, Causeway, along:	(a)-(b)	above
	 <i>Obstn</i>	(c)	1° 27'·148N., 103° 51'·915E.
Delete	 <i>Obstns</i> , adjacent to:	(c)	above

BA Chart 4044 [previous update 310/08]

Insert	causeway, double firm line, width 40m, joining:	(a)	1° 25'·37N., 103° 53'·24E.
		(b)	1° 25'·40N., 103° 53'·18E.
	legend, Causeway, along:	(a)-(b)	above
	 <i>Obstn</i>	(c)	1° 27'·15N., 103° 51'·92E.
Delete	 <i>Obstns</i> , adjacent to:	(c)	above

369/(13/08) SINGAPORE -East Jurong Channel - Pasir Panjang Terminal - Dredged areas. Legends. Berths.

Source: BA Notice 3066/08

(HJ/927/16)

BA Chart 4034 [previous update 311/08]

Insert	limit of dredged area, pecked line, joining:	(a)	1° 17'·152N., 103° 45'·392E. (shore)
		(b)	1° 17'·180N., 103° 45'·409E.
		(c)	1° 17'·088N., 103° 45'·560E. (existing limit)
	legend, 15.0m (2008), orientated NW/SE, centred on:		1° 17'·118N., 103° 45'·477E.
	berth number, P11		1° 17'·091N., 103° 45'·460E.
	limit of dredged area, pecked line, joining:	(d)	1° 16'·384N., 103° 45'·756E. (shore)
		(e)	1° 16'·356N., 103° 45'·739E.
		(f)	1° 16'·266N., 103° 45'·890E. (existing limit)
	legend, 16.1m (2008), orientated NW/SE, centred on:		1° 16'·327N., 103° 45'·823E.
	berth number, P20		1° 16'·358N., 103° 45'·836E.
Delete	charted detail within:		(a)-(c)above (d)-(f)above

BA Chart 4035 [previous update 309/08]







Insert	limit of dredged area, pecked line, joining:	(a)	1° 16'·384N., 103° 45'·756E.(shore)
		(b)	1° 16'·356N., 103° 45'·739E. 1° 16'·266N., 103° 45'·890E.
		(c)	(existing limit)
	legend, 16.1m (2008), orientated NW/SE, centred on:		1° 16'·327N., 103° 45'·823E.
	berth number, P20		1° 16'·358N., 103° 45'·836E.
Delete	charted detail within:		(a)-(c)above

370/(13/08) SINGAPORE -East Jurong Channel - Jurong Port and Pasir Panjang Terminal - Rock. Buoyage.

Source: BA Notice 3067/08

(HJ/927/16)

BA Chart 4034 [previous update 369/08]

Insert	 (147)		1° 17'·481N., 103° 45'·581E.
Substitute	 Fl.R.2s JP1 for  Fl.G.2·5s JP1		1° 17'·988N., 103° 43'·718E.
Delete	 Q(3)10s JP2		1° 18'·026N., 103° 43'·636E.
	 Fl.R.5s JP4		1° 18'·077N., 103° 43'·662E.
	 Fl(3)R.15s JP6		1° 18'·351N., 103° 43'·568E.

371/(13/08) INDONESIA - Sumatera - East Coast - Pulau Bintan, North East Coast and Selat Combol - T. Berakit and Citlim Eastwards - Light. Depth.

Indian List of Lights Vol. F&K 2003 – F: 1812

Source: BA Notice 2969/08

(HJ/927/15)

BA Chart 1312 [previous update 278/08]

Amend range of light to, 20M 1° 13'·1N., 104° 34'·6E.

BA Chart 2403 [previous update 336/08]

Amend range of light to, 20M 1° 13'·15N., 104° 34'·60E.

BA Chart 3831 [previous update 328/08]

Amend range of light to, 20M 1° 13'·15N., 104° 34'·60E.

BA Chart 3948 [previous update 537/07]

Substitute depth 2₁ for depth 2₇ 0° 48'·34N., 103° 57'·44E.

372/(13/08) INDONESIA - Sumatera - Pulau Batam Northwards, Pulau Cula and Pulau Pemping Besar North-westwards - Wrecks. Legend.


Indian List of Lights Vol. F&K 2003; F - 1693.9

Source: BA Notice 2970/08

(HJ/927/16)

BA Chart 3833 [previous update 328/08]

Move  , from (a) 1° 02'·30N., 103° 42'·79E.
to: 1° 02'·03N., 103° 42'·80E.

Delete  1° 07'·69N., 103° 46'·63E.
legend, (exting), at light, close NW of: (a) above

BA Chart 3948 [previous update 371/08]

Move  , from (a) 1° 02'·30N., 103° 42'·69E.
to: 1° 02'·03N., 103° 42'·70E.

Delete legend, (exting), at light, close NW of: (a) above

BA Chart 4039 [previous update 309/08]

Move  , from 1° 02'·30N., 103° 42'·79E.
to: 1° 02'·03N., 103° 42'·80E.

Delete  Rep(2003) 1° 07'·69N., 103° 46'·63E.

BA Chart 4040 [previous update 311/08]

Delete  Rep(2003) 1° 07'·69N., 103° 46'·63E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***373(T)/(13/08) INDIA – EAST COAST – Pondicherry Anchorage – Light.**

Source: Pondicherry Port

(HJ/1030/10)

1. Break Water Light in position 11° 54'.44N., 79° 49'.85E is temporarily extinguished.
2. Mariners to exercise caution.

Charts affected – 3003**374(P)/(13/08) INDONESIA - Sumatera - East Coast - Sungai Palembang - Depths. Lights. Buoyage.**

Source: BA Notice 3043(P)/08

1. There are numerous changes to the depths, lights and buoyage throughout Sungai Palembang.
2. Mariners should consult the local authorities for further information.
3. These changes will be included in the next New Edition of Chart 3476.

BA Charts affected – 3476**375(P)/(13/08) SINGAPORE - Singapore Strait to South China Sea - Submarine cables.**

Source: BA Notice 2954(P)/08

(HJ/927/15)

1. Submarine cable laying and associated operations are in progress until September 2008 between the following positions (WGS 84 Datum):
2. Asia-America Gateway (AAG) Submarine Cable:
 - 1° 22'·32N., 104° 00'·36E.
 - 1° 22'·28N., 104° 00'·69E.
 - 1° 22'·33N., 104° 00'·76E.
 - 1° 22'·31N., 104° 01'·67E.
 - 1° 21'·44N., 104° 02'·71E.
 - 1° 18'·87N., 104° 05'·72E.
 - 1° 17'·57N., 104° 06'·60E.
 - 1° 17'·04N., 104° 07'·42E.
 - 1° 17'·23N., 104° 09'·52E.
 - 1° 18'·67N., 104° 14'·88E.
 - 1° 18'·84N., 104° 15'·00E.
 - 1° 19'·35N., 104° 17'·77E.
 - 1° 19'·41N., 104° 18'·74E.
 - 1° 22'·06N., 104° 22'·48E.
 - 1° 21'·97N., 104° 23'·24E.
 - 1° 22'·79N., 104° 24'·25E.
 - 1° 24'·74N., 104° 26'·74E.
 - 1° 26'·62N., 104° 29'·05E.
 - 1° 29'·66N., 104° 31'·76E.
 - 1° 31'·66N., 104° 33'·06E.
 - 1° 34'·13N., 104° 33'·36E.
 - 1° 50'·00N., 104° 37'·61E.

375(P)/(13/08) SINGAPORE - Singapore Strait to South China Sea - Submarine cables (Continued).

3. Intra-Asia Submarine Cable:

1° 19'·00N., 103° 58'·54E.
 1° 18'·66N., 103° 58'·53E.
 1° 18'·40N., 103° 59'·34E.
 1° 18'·54N., 103° 59'·48E.
 1° 18'·45N., 104° 00'·09E.
 1° 16'·70N., 104° 03'·04E.
 1° 17'·14N., 104° 05'·59E.
 1° 16'·87N., 104° 05'·89E.
 1° 17'·02N., 104° 07'·02E.
 1° 16'·64N., 104° 07'·80E.
 1° 17'·31N., 104° 09'·83E.
 1° 18'·19N., 104° 11'·94E.
 1° 18'·86N., 104° 15'·82E.
 1° 19'·47N., 104° 19'·55E.

4. MIC-1 Submarine Cable:

1° 10'·06N., 104° 08'·33E.
 1° 10'·07N., 104° 08'·44E.
 1° 10'·13N., 104° 08'·47E.
 1° 10'·77N., 104° 08'·39E.
 1° 12'·39N., 104° 08'·56E.
 1° 12'·81N., 104° 08'·91E.
 1° 12'·61N., 104° 10'·19E.
 1° 13'·61N., 104° 10'·98E.
 1° 14'·41N., 104° 11'·68E.
 1° 14'·67N., 104° 11'·69E.
 1° 15'·58N., 104° 11'·40E.
 1° 15'·81N., 104° 10'·31E.
 1° 16'·19N., 104° 08'·99E.
 1° 16'·50N., 104° 08'·64E.
 1° 16'·49N., 104° 08'·10E.
 1° 17'·00N., 104° 07'·46E.
 1° 17'·24N., 104° 06'·73E.
 1° 17'·47N., 104° 06'·57E.
 1° 17'·70N., 104° 06'·62E.
 1° 18'·91N., 104° 05'·76E.
 1° 22'·32N., 104° 00'·61E.
 1° 22'·33N., 104° 00'·36E.

5. Mariners are advised to navigate with caution.

6. Mariners are advised not to anchor or trawl in the vicinity of the cable route.

BA Charts affected – 2403 -3831 -3833 -3949 -4041 -4042 -4043 -4044

***376(T)/(13/08) Temporary and Preliminary Notices (in force as on 01 Jul 2008)**

INM *221(T) (07/08) is cancelled.

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN

Notice No.	Charts Affected	Description
207 (T)/03	B.A. 671-2968 (INT7000)	SOMALIA – Muqdisho (Moghadishu) – Port development. Pilot boarding place.
172 (P)/04	B.A. 1358 -3933 - 3947-4041	SINGAPORE STRAIT – Malacca Strait – Indonesia – Pulau Batam. North Coast to Sumatra, East Coast, Dumai – Submarine Cable.
481(P)/04	B.A. 3043	EGYPT – Red Sea Coast – Hurghada North-north-eastwards – Depths.
505(P)/04	B.A. 2886 3790	ARABIA – Bahrain Southwards – Dawhat Salwa – Beacons. Buoyage. Depths. Lights.
506(P)/04	20 8004 B.A. 3599	IRAN – Khuran (Clarence Strait) – Jetty. Buoyage. Depths. Drying height. Pilot boarding place. Lights. Moorings buoys.
398(P)/05	B.A. 11 2882 (INT 7264) 2884 (INT 7278)	IRAN–Jazireh–ye-Kharak Anchorage areas.
466(P)/05	B.A. 3735 (INT 7259) 3736 (INT 7258) 3737 (INT 7255) 3738 (INT 7254) 3790 (INT 7252)	BAHRAIN – Mina’ Salman and Approaches - Al Muharraq Westwards - Depths. Anchorage area. Breakwater. Obstruction. Wreck. Reclamation areas. Light.
592 (P)/05	BA 262 (INT 7115)	DJIBOUTI-Approaches to the Port of Djibouti –Buoyage .Jetty. Pilot boarding place.
55 (P)/06	BA 15 16	SAUDI ARABIA - Red Sea Coast - Jizan - Dredged areas. Channel. Reclamation areas. Harbour development.
56 (P)/06	BA 3782 3787 (INT 7245) 3950	QATAR - Approaches to Doha (Ad Dawhah) - Approaches to Mesaieed (Musay‘id or Umm Said) - Dredging areas. Buoyage.
135 (P)/06	B.A. 2882(INT 7264)-2883 - 2886 -3719 -3776 -3777 - 3788 -3790 (INT 7252)-3812	SAUDI ARABIA - East Coast - - Buoyage
227 (P)/06	BA. 12	SAUDI ARABIA -Red Sea Coast -Port of Duba - Dredging area.Works.
292 (P)/06	BA. 3782 3787 (INT 7245)	QATAR - Approaches to Doha (Ad Dawhah) - Depths.
293 (P)/06	2444 3179 3413	UNITED ARAB EMIRATES - Jazirat Das South and Eastwards - Tanker mooring buoy. Restricted area. Submarine pipeline. Submarine cables. Reef. Pilot boarding place. Buoy. Fouls.
409 (P)/06	B.A. 81 82	SUDAN - Sawakin - Light-beacons. Berths.
445 (P)/06	20 21 286 291 2088 2094 2095 2096 7703 (INT703) 7705 (INT 705) 8009 8010 B.A.12 15 81 82 143 (INT 7005) 157 (INT 7006) 158 (INT 7008) 159(INT 7010) 164 (INT 7124) 333 452 (INT 7117) 453 (INT 7116) 542 1925 1926 2133 (INT 7139) 2373 2374 2375 2599 2658 2659 2851 3661 (INT 7162) 3785.	ARABIAN SEA - RED SEA - Submarine cables.
446 (P)/06	20 21 22(INT 752) 255(INT 7334) 291 292 (INT 7021) 2016 (INT 7336) 2088 2094 2095 2096 7705 (INT 705) 7706 (INT 706) B.A. 2851	ARABIAN SEA - Seeb to Mumbai (Bombay) - Submarine cable.

513 (P) /06	B.A. 3520 (INT 7200) – 3526	GULF OF OMAN - United Arab Emirates - Khawr Fakkan - Works. Breakwater. Buoyage. Anchorage areas
550 (T) /06	B.A. 1214 -1223 -1235 (INT 7289) -2882 (INT 7264) - 2884 (INT 7278) -3773	KUWAIT - - Measuring instruments. Buoyage
576 (T) /06	B.A. 3171 -3174 -3411 (INT 7218) -3713-3715-3951	UNITED ARAB EMIRATES - North and East Coasts - Data buoys
577 (P) /06	20 B.A.1224 -2858 -2882 (INT 7264) -2883 -2886 -3718 - 3719 -3773 -3774 -3775 - 3776 -3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - - Buoyage. Restricted areas
598 (P) /06	20 B.A.2882(INT 7264) - 2883 -2886 -3773 -3777 - 3788 -3790(INT 7252) -3812	SAUDI ARABIA - East Coast - Al Khubar to Al Kuwayt, KUWAIT - Submarine cable
599 (P) /06	20 B.A. 2882 (INT 7264) - 2883 - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3777 - 3788-3790 (INT 7252) -3812	BAHRAIN - Al Manama to SAUDI ARABIA, Al Khubar - Submarine cable
600 (P) /06	20 – 8004 B.A. 1214 -2441 - 2442-2443 -2523 (INT 7250)-2882 (INT 7264) - 2883-2886 -2889 (INT 7211) -3172 -3173 -3599 -3773	KUWAIT -Al Kuwayt to Bandar 'Abbas, IRAN - Submarine cable
108(P) /07	B.A. 2887 (INT 7232) - 2889 (INT 7211) -3175 (INT 7212) -3176 (INT 7216) - 3411(INT 7218)- 3412 (INT 7219) -3739 (INT 7220)	UNITED ARAB EMIRATES - Approaches to Dubai (Dubayy) - Approaches to Jebel Ali (Mina Jabal Ali) - Reclamation areas. Buoyage. Works. Restricted areas. Anchorage areas. Breakwaters.
221(T)/07	B.A. 2523 (INT 7250) - 3791 - 3950	QATAR - Ras Laffan - Anchorage areas.
374(P)/07	B. A. 3713 -3715	UNITED ARAB EMIRATES - Abu Dhabi (Abu -Zaby) -Khawr al Bighal, Approaches to Umman Nar, Khawr al Baṭīn - Buoyage. Lights. Leading line. Depth information. Works.
375(P)/07	B.A. 1235 (INT 7289)- 1265 (INT 7291) – 2884 (INT 7278)-3773-3842(INT 7292).	ARABIA - Approaches to the Shaṭṭal . Arab -Khawr al Amaya and Khawr al Kafka -Depths. Wrecks. Obstructions. Buoyage. Beacon. Light.
421(P)/07	BA 2523 (INT 7250) - 3789 - 3791 - 3950	QATAR - Ra.s Laffan - Works. Berths. Buoyage. Dredging areas. Reclamation areas.
422(P)/07	BA 3777 -3788 -3790 (INT 7252) -3812	SAUDI ARABIA - East Coast - Approaches to Ad Dammam - Dredging areas. Works.
470(P)/07	BA 2442 -2443 -2444 -2523 (INT 7250) -2858 -2886 - 2887 (INT 7232) -2889 (INT 7211) -3176(INT 7216) - 3177 -3791 -3950	QATAR - UNITED ARAB EMIRATES - Submarine pipeline.
621(T)/07	7071 (INT 71) – 7072 (INT 72) -7704 (INT 704), B.A. 143 (INT 7005) -157 (INT 7006) – 2964 (INT 758)	RED SEA – Jazirat at Tair - Light.
668(P)/07	B.A. 7 - 3660	YEMEN - Gulf of Aden - Aden Inner Harbour - Buoyage.

055(T)/08	B.A.563- 2741 - 2756 – 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.
202(P)/08	20 - 289 -288 B.A. 2523(INT 7250)- 2883 – 2886 – 3791 – 3950	QATAR – Ra’s Laffan North-eastwards and East-north-eastwards - Buoyage. Submarine pipelines. Platforms. Wells. Submarine cables.
247(T)/08	B.A. 712 (INT 7730) -1495 (INT 7736)–1497(INT 7735)	INDIAN OCEAN - La Réunion - Approaches to La Réunion - Fish havens.
248(P)/08	B.A. - 6 - 143 (INT 7005) - 157 (INT 7006)- 1925 - 1926	ERITREA - Aseb (Assab) - Fatuma Deset Northwards, Rubetino Channel, Darmakia Northwards, Umm-al Sciora - Depths.
249(P)/08	20 -288 – 289 - 8004 B.A. – 2442 - 2443- 2886- 2889(INT 7211) – 3174 – 3950.	UNITED ARAB EMIRATES - QATAR - Submarine cables.
284(T)/08	B.A. - 2886 -3738 (INT 7254) -3790 (INT 7252)	BAHRAIN - Outer Approaches to Bahrain - Foul.
333(T)/08	B.A. - 3518.	OMAN - Port Sultan Qa-boos - Depths.
334(P)/08	B.A. -2896	OMAN - South-East Coast - Approaches to Port Salalah (Mina -Raysut) - Buoyage. Channel.
335(P)/08	B.A. - 1223 – 3773.	KUWAIT - Mina - Ash Shuaybah South-eastwards and Mina - Al Ahmadi-North-eastwards - Dredging area. Buoyage. Submarine pipelines. Piers. Works.
354(P)/08	20 – 289 B.A.- 2444 - 2886 – 2887 (INT 7232) - 2889 (INT 7211) - 3179 - 3413	UNITED ARAB EMIRATES - Jazirat Das to Ras al Qila -- Submarine pipeline.
355(T)/08	3179 -3780.	UNITED ARAB EMIRATES - Approaches to Ar Ru.ays - Buoyage.

2. INDIA WEST COAST - INDIAN OCEAN

330(P)/01	2076 2016	INDIA – West Coast – Mumbai Harbour – Jawahar Lal Nehru Port – Port Development
102(P)/02	2044 2101	INDIA– West Coast – Approaches to Hazira – Submarine pipeline
446 (T)/02	2025 217 258 (INT 7348)	INDIA – West Coast – Approaches to Mangalore Harbour– Sunken Pontoon
176 (P)/03	2076 2016	INDIA – West Coast – Jawaharlal Nehru Port – Jetty
92 (T)/04	208 209 2019 2044	INDIA – West Coast – Approaches to Magdalla – Submarine Pipeline.
137 (T)/04	21 203 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Ballast Split.
407(T)/04	211 255 (INT 7334) 292 (INT 7021) 2016	INDIA – West Coast – Approaches to Mumbai – Restricted area.
485(T)/04	211 255 (INT 7334)	INDIA – West Coast – Off Mumbai – Submarine Pipeline.
507(P)/04	2002 (INT 7351) 2052 (INT 7350)	INDIA – West Coast – Port of New Mangalore and Mangalore – Depth.
50(P)/05	2018 (INT 7321) 2059 (INT 7322) 2080	INDIA – West Coast – Kandla – Sogal Channel – Buoy. Jetty.
102(P)/05	2021 2068 2080	INDIA – West Coast – Gulf of Kachchh – Mundra Port – Work.
72 (P)/06	2003 2053.	INDIA –WEST COAST – Sacrifice Rock to Beypore – Sea Wall.
230 (P)/06	268 (INT 7353) 2006 2007 2023 2047.	INDIA –Lakshdweep Islands– FAD.
256 (P)/06	21 22(INT 752) 211 255(INT 7334) 292 (INT 7021) 293 (INT7022) 2016 (INT 7336) 7705(INT705) 7706 (INT 706)	INDIA – West Coast – Inner Approaches to Mumbai.

496 (T)/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – West Coast – Inner approaches to Mumbai – Obstruction
511 (T)/06	2012	INDIA – West Coast – Alleppey Anchorage – Jetty
596 (T)/06	2011 - 212	INDIA – West Coast –Port Dabhol – Breakwater, Buoy, Dolphin
167(T) /07	2016(INT 7336)-2015(INT 7337) - 2076-2001	INDIA – West Coast – Port of Mumbai – Buoys.
306(T) /07	254(INT 7331) – 208 – 209 – 2044 – 2101 - 2019	INDIA - WEST COAST – Approaches to Magadalla -Tapi Channel – Buoys.
512(T)/07	208 – 2039 - 2082	INDIA - WEST COAST –Approaches to Dahej – Baruch Channel - Buoy.
543(T)/07	2101 - 2034	INDIA – WEST COAST – Hazira Port – Channel – Dredging Area.
544(T)/07	2016(INT 7336) - 2076	INDIA – WEST COAST – Inner approaches to Mumbai – Jawahar Lal Nehru Port & Trombay – Depths.
582(T)/07	2008.	INDIA – WEST COAST – Karwar harbour and approaches – Channel .Depth.
619(T)/07	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour – Channel Buoy.
667(P)/07	2008	INDIA WEST COAST - Karwar Harbour – Construction Work.
107(T)/08	255(INT 7334) – 211 – 2016(INT 7336) – 2015(INT 7337)	INDIA - WEST COAST – Port of Mumbai – Light.
141(T)/08	21 – 211 – 255(INT 7334) – 292(INT 7021) – 293(INT 7022) – 2016(INT 7336)	INDIA - WEST COAST – Approaches to Mumbai - Lightrage Operation
171(T)/08	2040	INDIA - WEST COAST – Porbandar Anchorage – Depth.
199(T)/08	22(INT 752) –215 – 216 – 217 – 257(INT 7343) – 258(INT 7348) – 272 – 293(INT 7022) – 2008 – 2024 - 2071	INDIA - WEST COAST –Arabian Sea – Data Buoys.
216(T)/08	273 - 2006	INDIA – LAKSHADWEEP – Minicoy Island – Construction work.
217(T)/08	268(INT 7353) - 2023	INDIA – LAKSHADWEEP – Kavaratti Island – Construction work.
241(T)/08	2101 - 2034	INDIA - WEST COAST – Gulf of Khambhat – Hazira Port – Channel Buoy.
242(T)/08	254(INT 7331) –207	INDIA - WEST COAST – Diu Head to Gopnath Point – Buoy.
243(T)/08	2008 - 2010.	INDIA – WEST COAST – Karwar Harbour and Approaches – Transit Marks.
244(T)/08	22(INT 752) – 293(INT 7022) – 257(INT 7343) – 216- 2024.	INDIA – WEST COAST – Honavar Anchorage – Light.
282(P)/08	22(INT 752) – 214 – 257(INT 7343) – 293(INT 7022) – 2020 – 2022(INT 7345) – 2078(INT 7346).	INDIA - WEST COAST – Approaches to Mormugao - Construction Work.
283(P)/08	31 – 356(INT 7400).	INDIA - WEST COAST – Chennai to Ramayapatnam - Light.
314(T)/08	21 – 31- 33 - 292(INT 7021)- 271	INDIA EAST AND WEST COAST– ARABIAN SEA – ANDAMAN SEA – Tsunami Data Buoys.
351(T)/08	21- 22(INT 752)- 23- 31-32- 33- 41- 357 - 407-472 – 473 - 258(INT 7348) -217 -272-293 (INT 7022) 2052(INT 7350)- 2002 (INT 7351)	INDIA-EAST AND WEST COAST – Arabian Sea – Andaman Sea – Data Buoys.
352(P)/08	22(INT 752) – 293(INT 7022) – 257(INT 7343) – 215 – 216 – 2024.	INDIA - WEST COAST – Tadri Anchorage – Light.

3. INDIA EAST COAST - ANDAMAN NICOBAR, SRI LANKA

63 (T)/03	4001 4014 403	INDIA – Bay of Bengal – Middle Andaman – Rangat Bay – Beacon
343 (P)/03	4032	INDIA – Nicobar Islands – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
193 (T)/04	225 2064	SRILANKA – West Coast – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.
287 (P)/04	3010	INDIA – East Coast – Paradip Port – Breakwater.
389(T)/04	4013 4016	INDIA – Andaman Sea – Neill Island – Jetty.
52(T)/05	All charts of A & Is, Coast of A.P.,Tamil Nadu, Kerala, Maldives & Srilanka	INDIAN OCEAN – Bay of Bengal – Changes in bathymetry and coastline
88(T)/05	4011 4017	INDIA -Nicobar Islands-Katchall Island –Approaches toEast Bay–Beacon.
135(T)/05	4010	INDIA – Andaman Sea – Little Andaman Islands-Hut Bay-Coast line. Jetty. Light.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
428 (P)/06	351 301.	INDIA – East Coast – Ocean – Approaches to Hugli River – Obstruction
442 (P)/06	3010 (INT 7418) (Plan).	INDIA – East Coast – Paradip Port – Work in Progress.
548 (T) /06	3031.	INDIA – East Coast – Krishnapatnam Anchorage – Transits mark.
106(T) /07	358(INT 7394) – 317	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions
168(P) /07	3002(INT 7410)	INDIA – East Coast – Approaches to Visakhapatnam- Gangavaram Port – work in progress
219(T) /07	4032	INDIA – Nicobar Islands Sawai Bay & Malacca Anchorage – Transit mark – Beacon.
222(T) /07	23 – 32(INT 754) – 33 – 226 –264– 358 – 359 – 2064 – 7704 (INT 704)	SRI LANKA - South Coast - Little Basses Reef - Light.
419(T) /07	406 – 4010	ANDAMAN SEA – INDIA - Little Andaman Islands – Hut Bay – Light.
445(T) /07	BA 817 (INT 7430)	BURMA - Sittwe South-westwards - Survey stations.
584(T)/07	3004(INT 7403)	INDIA – EAST COAST – Madras (Chennai) harbour – Lights.
586(P)/07	356(INT 7400) - 3031	INDIA – EAST COAST – Krishnapatnam Anchorage – Construction Work. Dredging.
650(P)/07	4019	BURMA - Rangoon River - Channel depths. Depths. Wreck. Port developments. Coastline. Bridge. Drying contour. Recommended route. Buoyage.
056(P)/08	225 – 2063 - 2064	SRI LANKA - West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.
109(T)/08	301- 351 - 3011(INT 7421) – 3013 - 3006(INT 7423)	INDIA - EAST COAST`- Hugli River -Haldia to Kukrahatti Reach – Depths.
200(T)/08	32(INT 754) –33 – 357(INT 7397) – 3007 – 3033.	INDIA – East Coast – Chemplast Karaikal Terminal – Construction Work. Dredging.
201(T)/08	41 – 473(INT 7031) – 405 – 4030.	INDIA – ANDAMAN SEA – Manners Strait and Duncan Passage – Wreck.
218(P)/08	31 – 32(INT 754) – 355(INT 7405)	INDIA - EAST COAST – Ramaypatnam to Sacramento Shoal – Construction work.
219(T)/08	31 – 32(INT 754) – 354(INT 7408) – 308 – 3002(INT 7410) – 3012(INT 7411)	INDIA - EAST COAST – Approaches to Visakhapatnam – Lightrage area
220(P)/08	31 – 351 - 3017	INDIA – EAST – COAST – Approaches to Dhamra River – Construction Work.

245(T)/08	473(INT 7031) – 404 – 4015 – 4002.	INDIA – ANDAMAN ISLAND – Approaches to Port Meadow and Kotara Anchorage - Light.
246(P)/08	33 – 41 – 471 – 472(INT 7032) – 409 – 4035 – 4039.	ANDAMAN SEA – INDIA Nicobar Island – Campbell Bay – Jetty Construction.
316(P)/08	3028	INDIA – EAST COAST – Ports of Ennore – Jetty. Construction Work.
331(P)/08	23 – 32 – 225 – 263 – 264 – 2063.	SRILANKA – West Coast – Approaches to Colombo – Construction Work.
332(P)/08	23 – 31 – 33 -7702 (INT 702) - 7706 (INT 706) - 7707 (INT 707).	INDIAN OCEAN - Data buoys.
353(T)/08	33 – 41– 405 – 406– 473 – 4030.	INDIA – ANDAMAN SEA – Manners Strait and Duncan Passage – Light.
373(T)/08	3003	INDIA – EAST COAST – Pondicherry Anchorage – Light.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

382 (T)/03	B.A. 4038 4034 4044	SINGAPORE – West Coast and Pulau Ubin, North Coast – Works.
383 (T)/03	33 41 B.A. 400 1353 2760 2777 2917 3574 3919 3920	INDONESIA –Sumatera – North and Northwest Coasts – Restricted area.
397(P)/05	B.A. 2056 3729	INDONESIA – Jawa – North Coast – Approaches to Tanjungpriok – Submarine pipeline. Submarine cable. Light-beacons.
426(P)/05	B.A. 2965	INDONESIA –Sumatera – West Coast – U. Jungutbatupati to U. Nibung – Depths. Jetty. Lights. Piers. Reclamation area. Beacons. Restricted area.
463(P)/05	B.A. 932 933	INDONESIA - Jawa -Tanjungpriok and Approaches - Coastline. Depths. Light-beacon. Buoyage. Platform. Wrecks. Maritime limit.
540 (P)/05	7708 (INT 708)	INDIAN OCEAN - Cocos Islands - Light-beacon.
179 (P) /06	BA 1141 3946 3947	MALAYSIA - Peninsular Malaysia, West Coast -Pelabuhan Sungai Udang and Approaches -Maintained channel. Anchorage areas. Berths.
144(P) /07	B.A. 3833	SINGAPORE STRAIT - Western Part - The Brothers to Batuampar Northwards - Submarine cables.
223(P) /07	4026 - 4027	MALAYSIA - Peninsular Malaysia, West Coast - Pinang Harbour - Coastline. Works. Lights. Beacons. Depths. Drying patch. Wrecks. Obstructions. Dredged areas. Marine farms.
376(P) /07	B. A. 1312 -2403 -3721 - 3831 -3833 -3937 -3949 - 4041 -4042	INDONESIA - Kalimantan - West Coast - T. Saleh Westwards to Singapore Strait - Pulau Batam - T. Pinggir - Submarine cable.
377(P) /07	7508(INT 508) B. A. 1312 -1788 -2137 - 2149 -3729	INDONESIA - Sumatera - Pulau Belitung West Coast - Tanjungpandan to Jawa North Coast - Pakis - Submarine cable.
446(P) /07	BA 2403 - 3831 - 3833 - 3937 - 3949 - 4041 - 4042	SINGAPORE STRAIT - Pulau Batam to Johor - Submarine cable.
546(T)/07	B.A. 1358 -2139 -3946	MALAYSIA - Peninsular Malaysia, West Coast - Tanjung Tongkah - Kuala Langat - Buoy. Light-beacon.
669(P)/07	436	MALAYSIA - Peninsular Malaysia, West Coast -Selat Manjung and Sungai Manjung – Dredged area.
058(P)/08	B.A. 2056 - 2149	INDONESIA - Sumatera - East Coast - T.Penet Eastwards - Platforms. Submarine cables. Submarine pipelines. Restricted area.

250(T)/08	B.A. -3833 - 4034 -4035 - 4040 -4041	SINGAPORE - West Keppel Fairway - Pasir Panjang Wharves -Works. Buoyage. Fairway. . Berths
285(P)/08	B.A. -3833 - 4032 - 4035 - 4036 - 4039 - 4040	SINGAPORE - Pulau Busing - Pulau Ular - Pulau Bukom Kechil - Reclamation area. Jetties. Works. Buoyage. Light-beacon.
317(P)/08	B.A. -2139 – 2152 – 2155	MALACCA STRAIT - Malaysia - Selat Klang Utara - Buoyage. Channels.
374(P)/08	B.A. - 3476	INDONESIA - Sumatera - East Coast - Sungai Palembang - Depths. Lights. Buoyage.
375(P)/08	B.A - 2403 - 3831 - 3833 - 3949 - 4041 - 4042 - 4043 - 4044	SINGAPORE - Singapore Strait to South China Sea - Submarine cables.

Cancelled Notices

Area	Notice No.	Ref. No.
3	323(T)/04	316(P)/08
3	355(P)/04	297/08
3	390(T)/04	364/08
3	391(T)/04	376(T)/08
2	231(P)/06	339/08
2	441(P)/06	253/08
1	601(P)/06	249(P)/08
4	071(P)/07	376(T)/08
4	146(P)/07	348/08
2	216(P)/07	291/08
3	312(T)/07	332(P)/08
2	372(T)/07	226/08
1	489(P)/07	335(P)/08
3	583(T)/07	227/08
4	588(T)/07	376(T)/08
2	617(P)/07	341/08
2	618(T)/07	243(T)/08
2	647(T)/07	223/08
1	649(P)/07	259/08
1	054(T)/08	247(T)/08
4	057(P)/08	276/08
4	085(T)/08	376(T)/08
2	108(P)/08	282(P)/08
2	110(T)/08	315(T)/08
2	140(T)/08	242(T)/08
2	169(T)/08	314(T)/08
2	198(T)/08	376(T)/08
2	215(T)/08	281(T)/08
-	221(T)/08	376(T)/08
2	281(T)/08	376(T)/08
2	315(T)/08	351(T)/08

SECTION – IV: MARINE INFORMATION

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>		

Tsunami Notices

52 (T) (01/05) INDIAN OCEAN, BAY OF BENGAL – Changes in bathymetry and Coastline.

Source: NHO, Dehradun

(HJ/NM/Gen)

Major changes likely to have occurred in topography of coastline and bathymetry in Andaman & Nicobar islands, coasts of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka as a consequence of recent earthquakes followed by Tsunami waves in South Asia. Number of uncharted wrecks/obstructions may also be encountered. Mariners are advised to exercise utmost caution and contact local authorities while approaching these areas.

Charts affected: All Indian charts of Andaman & Nicobar Islands, coast of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka

***88 (T) (03/05) INDIA – Nicobar Islands – Katchall Island – Approaches to East Bay – Beacon.**

Source: PMB A & N Islands

(HJ/928/76)

1. It is informed that all the three sets of beacons/buoys in East Bay including the jetty and approach has been totally damaged and sunk.
2. Mariners are advised to exercise caution and contact local port authorities for the latest information.
3. Former INM 339 (P)/04 is cancelled.

Charts affected: 4011 - 4017

***135 (T) (05/05) ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Coast line. Jetty. Light.**

Source: INS Sandhayak

(HJ/1028/07)

1. It is reported that the coastline in the area had undergone drastic changes. The Hut Bay breakwater has been breached at several places. The entire approach road and breakwater light at position 10° 35'.81N., 92° 33'.83E. has been destroyed. The passenger jetty is not safe to approach as the wreck of the fallen crane is a hazard to navigation.
2. Mariners are to exercise caution while navigating through this area.

Charts affected: 4010

SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 25 Jun 08, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	186	2007 series: 019 035 050 247 251 279 293 329. 2008 Series: 143 149 153 161 173 174 176 181 183 184 185 186.
II	E. Atlantic	182	2008 Series: 017 075 107 112 132 152 169 172 179 180 181 182.
III	Mediterranean	275	2008 Series: 229 230 231 234 236 241 252 256 260 261 262 263 267 269 270 272 273 274 275.
IV	N.W. Atlantic	237	2007 series: 196. 2008 series: Nil.
V	W. Atlantic	406	2007 series: 1078. 2008 series: Nil.
VI	S.W. Atlantic	145	2008 series: Nil.
VII	S.E. Atlantic	098	2008 series: 055 060 070 072 073 077 078 094 095 097 098.
VIII	Indian Ocean	268	2007 Series – 373 418 540 574 602 612 647 652 653 662 675 690. 2008 Series - 008 047 055 070 113 118 133 152 156 176 186 187 188 198 200 210 228 233 236 242 244 246 249 250 252 253 256 257 258 261 262 263 264 265 266 267 268

3. NAVAREA Warnings issued during the period from 12 Jun 08 to 25 Jun 08 (both dates inclusive) are as tabulated below:-

<p>249. India East Coast- Off Vishakhapatnam. Charts 31 354 INT 706. Yellow and Orange coloured submarine indicator buoy dia 1.5 metre characteristics 120 flashes per minute adrift in following positions:</p> <p>(a) 17-41.8N 084-36.9E (b) 17-17.8N 084-12.8E</p> <p>2. Mariners to exercise caution on sighting report to NAVAREA VIII Coordinator.</p>
<p>250. India West Coast – Old Mangalore Port. Charts 22 217 258 272 293 2002 2052 INT 706. Old Mangalore Port is closed till 15 Sep 2008 channel entrance spherical buoy withdrawn from position 12-50.8N., 074-49.3E.</p> <p>2. All vessels operating in vicinity to keep clearance and exercise caution.</p> <p>3. Cancel this message on 16 Sep 2008.</p>
<p>251. Cancelled.</p>
<p>252. Refer Navarea Eight Message 246 of 2008. India East Coast – Bay of Bengal. Charts 31 32 354 355 INT 706. Drill ship Deepwater Frontier moved to new position 16-29.9 N., 082-34.8 E.</p> <p>2. Wide berth requested</p>
<p>253. India East Coast – Bay of Bengal. Charts 31 32 354 355 INT 706. Drilling Operation is in progress by Rig Perro Negro-3 in position 17-06.6 N., 082-32.1 E.</p> <p>2. Wide berth requested</p>

254 to 255.	Cancelled.
256.	India West Coast–Arabian Sea-Off Murud Janjira. Charts 21 22 256 292 293 INT 705. Rectangular partially submerged metallic object approximate dimension 6m x 3m and large wooden logs sighted adrift in approximate position 18-16.00N 072–24.00E drifting nely. 2. Mariners to exercise caution.
257.	Refer NAVAREA Eight 246 of 2008. India East Coast – Bay Of Bengal. Charts 31 32 354 355 INT 706 (.) Rig Aban II moved to new position 16-22.17N 081-55.58 E 2. Wide berth requested.
258.	India East Coast–Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval Coats Battery 13-07.17N 080-18.70E between 0530 UTC to 0730 UTC on 27 Jun 2008. 2. Danger Zone 75 Degree. 3. Safe Flying Height 12800 Meters. 4. Cancel this message on 28 Jun 2008.
259 to 260.	Cancelled.
261.	India West Coast – Mormugao. Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC to 1230 UTC from 01 July to 07 July and 14 July to 21 July 2008. Danger area bounded by: (a) 15-13.0N 073-57.0E (b) 15-13.0N 073-52.0E (c) 15-11.0N 073-52.0E (d) 15-11.0N 073-57.0E 2. Safe flying height 3500 metres. 3. Cancel this message on 22 July 2008.
262.	India West Coast – Old Manglore Port. Charts 22 217 258 272 2002 2052 INT 705. Aga light 12-50.8N 74-50.3E unlit.
263.	India East Coast - Gopalpur. Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC to 1800 UTC from 01 July to 03 July 2008. 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 04 July 2008.
264.	India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast battery between 0330 UTC to 1530 UTC on 01 July, 04 July, 08 July, 11 July, 15 July, 18 July, 22 July, 25 July and 29 July 2008 . Danger area bounded by: (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 2. Safe flying height 10000 metres. 3. Cancel this message on 30 July 2008.
265.	India East Coast- Visakhapatnam. Charts 31 32 308 354 3002 3012 INT 706. Firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1500 UTC to 1700 UTC on 02 July and 16 July 2008. Danger area bounded by: (a) 17-42.0N 083-18.0E (b) 17-47.0N 083-32.0E (c) 17-34.0N 083-30.0E (d) 17-28.0N 083-18.0E 2. Safe flying height 13000 metres. 3. Cancel this message on 17 July 2008.
266.	India West Coast – Pigeon Island. Charts 22 216 257 2072 INT 706. Firing practice by Naval Aircrafts on Pigeon Island between 0230 UTC to 0730 UTC from 01 July to 07 July and 15 July to 21 July 2008. Danger area 25 NM around Pigeon Island. 2. Safe flying height 3100 metres. 3. Cancel this Message on 22 July 2008.
267.	Cancel NAVAREA 252 and Refer NAVAREA Eight Message 246 of 2008. India East Coast – Bay of Bengal. Charts 31 32 354 355 INT 706. Drill ship Deepwater Frontier moved to new position 16-41.9 N., 082-41.6 E. 2. Wide berth requested.
268.	Refer NAVAREA Eight Message 246 of 2008. India East Coast- Bay of Bengal. Charts 31 32 33 355 INT 706. Drill ship Discoverer-534 moved to new position 16-32.2N 082-40.8E 2. Wide berth requested.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	108	2007 series: 022 027 062 092 095 106 155 168 172 200 212 263 264 274 278. 2008 series: 002 006 007 021 022 027 044 045 046 051 061 065 066 069 070 076 077 086 087 088 089 094 095 099 100 101 102 104 105 106 107 108
X	Australia, New Guinea	182	2008 series: 117 126 128 130 137 143 149 159 160 162 167 168 169 171 172 174 175 177 180 181 182 .
XI	Malacca Strait, China Sea, N. Pacific	0294	1996 series: 0925. 1998 series: 0655. 1999 series: 0053 0187 0310. 2001 series: 0182 0775. 2003 series: 0106 0304. 2004 series: 0361. 2005 series: 0271 0307. 2006 series: 0005 0250 0303 0561. 2007 series: 0002 0093 0133 0248 0253 0269 0309 0344 0366 0457 0505 0513 0519 0523 0546 0557. 2008 series: 0004 0006 0011 0014 0018 0020 0054 0061 0091 0108 0113 0160 0163 0210 0219 0225 0241 0245 0246 0247 0248 0252 0253 0254 0259 0261 0267 0269 0274 0275 0278 0283 0285 0288 0289 0290 0291 0292 0293 0294.
XII	N.E. Pacific	239	2008 series: Nil
XIII	N.W. Pacific	004	2008 series: Nil
XIV	S.W. Pacific	051	2008 Series: 017 042 047 051
XV	S.E. Pacific	068	2008 Series: Nil
XVI	E. Pacific	Nil	2008 Series: Nil
Hydropacs	Pacific, Indian Ocean	1178	2008 Series: 240 1140 1141.
Hydroplants	Atlantic, Mediterranean	1021	2008 Series: 300

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII: CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characte ristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
F0362-1	Mundra Port. Navinal Island. Terminal 2. Front	22 44-43 N 69 42-88 E	Q G	12			
*	*	*	*	*	*	*	*
F0362-11	Mundra Port. Navinal Island. Terminal 2. Rear	22 44-44 N 69 42-86 E	F G	15.5			
*	*	*	*	*	*	*	*
F0381-4	SPM-3	22 36-54 N 69 49-94 E	Lit	--	--	--	Platform
*	*	*	Racon	--	--	--	ALRS Vol 2 Station 78827
			*	*	*	*	*
F0583	Pavās Point	16 53-53 N 73 16-72 E	Fl(2)W 15s	11	4		
*	*	*	*	*	*	*	*
F0636-2	- Kārwar Harbour. Anjadip Island. E Head	14 45-21 N 74 07-37 E	Fl W 5s				
*	*	*	*	*	*	*	*
F0715	Anjengo	8 40-55 N 76 45-41 E	Fl(2)W 20s	38	19	White round concrete tower, black bands 36	
		*					*
F 0973	Remove from List						
F1018	-Eastern Channel Lt V	21 02-94 N 88 11-51 E	Fl W 15s	--	12	Red hull	Liabie to be moved TR 2008
*	*	*	Racon	--	--	--	ALRS Vol.2 Station 79230
			*	*	*	*	*
F 1021	Remove from List						

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**INP 31(1), 2005***(Last correction: Edition No. 02 dated 16 Jan 2008)***NIL****INP 31(2), 2007***(Last correction: Edition No. 10 dated 16 May 2008)***PAGE 30, INDIA section.**

Insert

Sikka Creek SPM-3 Racon 22° 26'.54N 69° 49'.94E **78827****O****PAGE 30, INDIA section.****78830 Vadinar Offshore Terminal SBM.**Delete morse identification **B** and replace by: **U****Reliance Port & Terminals Limited.****13/08****PAGE 30, INDIA section.**

Insert

Hugli River Eastern Channel 21° 02'.94N 88° 11'.51E **79230****Lt Vessel Racon****O****Hydrographic Note INS Nirupak****13/08****PAGE 85, Pakistan.**

Delete entry and replace by:

Pakistan	-05	-06	1 June 2008 0001h LT	30 August 2008 2359h LT
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BA 24/08**13/08****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. 10 dated 16 May 2008)***NIL**

INP 31(6), 2005

(Last correction: Edition No. 12 dated 16 Jun 2008)

PAGE 76, IRAQ, GENERAL NOTES, after IRAQ EMBARGO section.

Insert new section:

WARNING AND EXCLUSION ZONES AROUND TERMINALS:

- (1) All mariners are advised to remain clear of coalition maritime security forces and to identify themselves and make their intentions known when operating in the vicinity of coalition warships.
- (2) If queried, mariners should clearly identify themselves and state their intentions and, if given directions from coalition warships, they should immediately execute such directions so as to make their intentions known. Mariners are reminded that coalition warships are prepared to take defensive measures, including, if necessary, the use of deadly force against any contact whose identity or intentions are unknown and which subjectively poses a threat.
- (3) Warning Zones and Exclusion Zones are established around the Khawr Al Amaya Terminal (KAAOT) and the Al Başrah Oil Terminal (ABOT), as follows:
 - (a) **KAAOT Warning Zone:** The Warning Zone extends 3000m from the outer edge of the terminal structure, in all directions, creating a racetrack shape 6990m long by 6107m wide, oriented NW to SE, centred on the terminal. This Warning Zone is complementary to the Exclusion Zone established and detailed later in this advisory.
 - (b) **ABOT Warning Zone:** The Warning Zone extends 3000m from the outer edge of the terminal structure, in all directions, creating a racetrack shape 7030m long by 6107m wide, oriented NW to SE, centred on the terminal. This Warning Zone is complementary to the exclusion zone established and detailed later in this advisory.
- (4) Vessels are to remain clear of the Warning Zones for all but essential transits. If transit requires entry into the zone, vessels are to contact coalition maritime security forces on VHF Ch 16, identify themselves and make transit intentions known. If coalition maritime security forces order a vessel to depart the Warning Area, the vessel should immediately depart. Such direction will be given only when necessary to keep the vessel from standing into danger or when it is considered by the coalition forces that the vessel's presence constitutes a direct subjective threat to either oil terminal. No fishing or anchoring is permitted in the Warning Zones in any way or form whatsoever.
- (5) **ABOT and KAAOT Exclusion Zones:** Around each terminal there is an Exclusion Zone which extends 2000m from the outer edges of the terminal structures in all directions. The right of innocent passage is temporarily suspended in accordance with international law in the KAAOT and ABOT Exclusion Zones.
- (6) VLCC traffic to the terminals is expected to remain at high levels indefinitely. In addition to berthing and departing VLCCs and assisting tugs, coalition warships conducting maritime security patrols manoeuvre unpredictably within the Warning and Exclusion Zones.

(7) Only tankers and support vessels authorised by terminal operators or coalition maritime security forces are allowed to enter the Exclusion Zones. Vessels attempting to enter the zones without authorisation may be subjected to defensive measures, including when necessary, the use of deadly force. All reasonable efforts including established pre-planned responses will be taken to warn vessels away before employing deadly force. Deadly force will be employed when necessary to protect coalition maritime security forces, legitimate shipping present in the Exclusion Zones and the oil terminals.

- (8) Questions regarding this advisory may be directed to:
- (a) Commander, U.S. Naval Forces Central Command, IZMS Coordinator (N31CGA), FPO AE 09501 6008. Telephone: +973 17854627 or +973 17854839, Fax +973 17859117 or +973 17854344, or
 - (b) The U.S. Liaison Office (MARLO) Bahrain, AOH Duty Telephone: +973 39401395, Office Telephone: +973 17853925, Fax: +973 17853930.

BA 24/08

13/08

SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS

Instructions for raising Hydrographic Note (Form IH 102)

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,
Post Box No. 75, Dehradun - 248 001
(UTTARAKHAND), INDIA
e-mail: - incho@dataone.in; incho_marinesafety@dataone.in
incho_navwarnings@dataone.in; incho_helpdesk@dataone.in
Fax No.: (0135) 2748373
Web: www.hydrobharat.nic.in

Instructions for filling up Form IH 102 (Overleaf)

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. 102a (Revised 2003)

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(For Reporting Changes to Port Information)

(I.H. 102 is also to accompany this note)

Name and address of ship / sender:

Ref No.: _____
Date : _____

Fax No.: _____, **E-mail:** _____

1.	a) NAME OF THE PORT :	
	b) Location : Lat: _____, Long: _____	
	c) Listing in Guide to Port Entry: Yes/No. _____ Sl. No.: _____	
2.	NAME AND ADDRESS OF PORT AUTHORITIES a) Name b) Address c) Phone d) Fax e) E-mail	
3.	GENERAL REMARKS a) Principal activities and trade b) Latest population figures and date c) Number of ships and tonnage handled per year d) Maximum size and draught of vessels handled. e) Copy of Port Handbook <i>if available</i> .	
4.	ANCHORAGES a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	PILOTAGE a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	DIRECTIONS a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	POLLUTION CONTROL a) Local regulations in force (if any)	

<p>8. TUGS</p> <ul style="list-style-type: none"> a) Number available b) Max. hp. c) Requesting authority d) Availability times e) Communication with Tugs f) Hiring Charges 	
<p>9. BERTHING AND WHARVES</p> <ul style="list-style-type: none"> a) Number of berths available b) Length, c) Depth alongside d) Facilities available. e) Procedures for requesting berthing and hiring charges 	
<p>10. CARGO HANDLING</p> <ul style="list-style-type: none"> a) Containers b) Lighters c) Roll on/ roll off, etc. 	
<p>11. CRANES</p> <ul style="list-style-type: none"> a) Brief details and max. Capacity. b) Container handling facilities 	
<p>12. BRIDGES</p> <p>Vertical clearances</p>	
<p>13. REPAIRS</p> <ul style="list-style-type: none"> a) Hull, machinery and underwater b) Ship and boat yards c) Docking or Slipway facilities (Give size of vessels handled or dimensions) d) Hards and ramps. e) Divers / Diving Assistance 	
<p>14. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, coastguard, etc.</p>	
<p>15. SUPPLIES</p> <ul style="list-style-type: none"> a) Fuel with type and quantities available. b) Freshwater and rate of supply. c) Provisions d) Chart Agents 	
<p>16. SERVICES</p> <ul style="list-style-type: none"> a) Radio Telegrams/Telephony b) Medical. c) Quarantine d) Consuls. e) Ship chandlery and stevedores, f) Compass adjustment, g) Tank cleaning, h) Hull painting. j) Diving and underwater examination k) Police / Ambulance / Fire l) Navigational warnings and weather bulletins m) Garbage Disposal n) Telephones p) Waste oil disposal 	
<p>17. COMMUNICATIONS</p> <ul style="list-style-type: none"> a) Road, rail and air services available b) Nearest airport or airfield. c) Port Radio and Information service (Frequencies and operating hours) 	

18. PORT AUTHORITY Designation, address and telephone number.	
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 / INFORMATION KIOSKS – Their location.	
22. VIEWS (duly annotated) Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. (Picture postcards may also be useful).	

Signature of Observer/Reporter.....

To

The Chief Hydrographer to the Government of India

**National Hydrographic Office
107 A, Rajpur Road**

Post Box No. 75,
Dehradun- 248001

(UTTARAKHAND), INDIA

E Mail: incho@dataone.in / incho_marinesafety@dataone.in

incho_navwarnings@dataone.in / incho_helpdesk@dataone.in

Fax No.: 91- 0135- 2748373

WEB: www.hydrobharat.nic.in

I.H. 102 (Revised 2003)

HYDROGRAPHIC NOTE

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

Date :
Ref. No:

Details of the Sender / Originator

- 1. **Name of ship or sender:**.....
- 2. **Address of sender:**.....
.....
E-mail; Fax No.; Tel. No.:.....
.....
- 3. **General Locality:**
- 4. **Chart / Publication Affected:**
 - a) Chart published by INHO / UKHO / other (Specify):
 - b) Chart No.: Edition Date:
 - c) Latest Edition of Indian N to M held:.....

Details of Changes / Dangers Observed

5. Object of Change:	Date/Time of observation	Charted Observed	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**

Signature of the Master / Reporter

Date:

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

Post Box No. 75,

Dehradun- 248001

(UTTARAKHAND), INDIA

E Mail: incho@dataone.in / incho_marinesafety@dataone.in

incho_navwarnings@dataone.in /

incho_helpdesk@dataone.in

Fax No.: 91- 0135- 2748373

WEB: www.hydrobharat.nic.in

Please Note:

1. Please see Section X for Instructions for filling up this form.
2. Photograph / Sketches / Diagram, etc duly annotated will be useful supporting document.
3. Please rush this information to the Chief Hydrographer to the Govt. of India at the address given above, by the fastest available means.

TABLE FOR CONVERTING FEET AND FATHOMS TO METRES

Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres
1		0.305	55		16.764	162	27	49.378	498	83	151.790
1.5	¼	0.457	56		17.069	168	28	51.206	504	84	153.619
2		0.610	57	9½	17.374	174	29	53.035	510	85	155.448
3	½	0.914	58		17.678	180	30	54.864	516	86	157.277
4		1.219	59		17.983	186	31	56.693	522	87	159.106
4.5	¾	1.372	60	10	18.288	192	32	58.522	528	88	160.934
5		1.524	61		18.593	198	33	60.350	534	89	162.763
6	1	1.829	62		18.898	204	34	62.179	540	90	164.992
7		2.134	63	10½	19.202	210	35	64.008	546	91	166.421
8		2.438	64		19.507	216	36	65.837	552	92	168.250
9	1½	2.743	65		19.812	222	37	67.666	558	93	170.078
10		3.048	66	11	20.117	228	38	69.494	564	94	171.907
11		3.353	67		20.422	234	39	71.323	570	95	173.736
12	2	3.658	68		20.726	240	40	73.152	576	96	175.565
13		3.962	69	11½	21.031	246	41	74.981	582	97	177.394
14		4.267	70		21.336	252	42	76.810	588	98	179.222
15	2½	4.572	71		21.641	258	43	78.638	594	99	181.051
16		4.877	72	12	21.946	264	44	80.467	600	100	182.880
17		5.182	73		22.250	270	45	82.296			
18	3	5.486	74		22.555	276	46	84.125	Metres	Inches	
19		5.791	75	12½	22.860	282	47	85.954			
20		6.096	76		23.165	288	48	87.782	0.10	3.937	
21	3½	6.401	77		23.470	294	49	89.611	0.20	7.874	
22		6.706	78	13	23.774	300	50	91.440	0.30	11.811	
23		7.010	79		24.079	306	51	93.469	0.40	15.748	
24	4	7.315	80		24.384	312	52	95.098	0.50	19.685	
25		7.620	81	13½	24.689	318	53	96.926	0.60	23.622	
26		7.925	82		24.994	324	54	98.755	0.70	27.559	
27	4½	8.230	83		25.298	330	55	100.584	0.80	31.496	
28		8.534	84	14	25.603	336	56	102.413	0.90	35.433	
29		8.839	85		25.908	342	57	104.242	1.00	39.370	
30	5	9.144	86		26.213	348	58	106.070			
31		9.449	87	14½	26.518	354	59	107.899			
32		9.754	88		26.822	360	60	109.728			
33	5½	10.058	89		27.127	366	61	111.557			
34		10.363	90	15	27.432	372	62	113.386			
35		10.668	91		27.737	378	63	115.214			
36	6	10.973	92		28.042	384	64	117.043			
37		11.278	93	15½	28.346	390	65	118.872			
38		11.582	94		28.651	396	66	120.701			
39	6½	11.887	95		28.956	402	67	122.530			
40		12.192	96	16	29.261	408	68	124.358			
41		12.497	97		29.566	414	69	126.187			
42	7	12.802	98		29.870	420	70	128.016			
43		13.106	99	16½	30.175	426	71	129.845			
44		13.411	100		30.480	432	72	131.674			
45	7½	13.716	102	17	31.090	438	73	133.502			
46		14.021	108	18	32.918	444	74	135.381			
47		14.326	114	19	34.747	450	75	137.160			
48		14.630	120	20	36.576	456	76	138.989			
49		14.935	126	21	38.405	462	77	140.818			
50		15.240	132	22	40.234	468	78	142.646			
51	8½	15.545	138	23	42.062	474	79	144.475			
52		15.850	144	24	43.891	480	80	146.304			
53		16.154	150	25	45.720	486	81	148.133			
54	9	16.459	156	26	47.549	492	82	149.962			

TABLE FOR CONVERTING METRES TO FEET AND FATHOMS

Mtrs	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms
1	3.281	0.547	57	187.008	31.168						
2	6.562	1.094	58	190.289	31.715	5000	16404.20	2734.03			
3	9.843	1.640	59	193.570	32.262	6000	19685.04	3280.84			
4	13.123	2.187	60	196.850	32.808	7000	22965.88	3827.65			
5	16.404	2.734	61	200.131	33.355	8000	26246.72	4374.45			
6	19.685	3.281	62	203.412	33.902	9000	29527.56	4921.26			
7	22.966	3.828	63	206.693	34.449	10000	32808.40	5468.07			
8	26.247	4.374	64	209.974	34.996						
9	29.528	4.921	65	213.255	35.542	Inches	Feet	Metres	Factors		
10	32.808	5.468	66	216.535	36.089						
11	36.089	6.015	67	219.816	36.636	1	0.083	0.025	1 Inch=0.0254 m		
12	39.370	6.562	68	223.097	37.183	2	0.167	0.051	1 Foot=0.3048 m		
13	42.652	7.108	69	226.378	37.730	3	0.250	0.076	1 Fthm=1.8288 m		
14	45.932	7.655	70	229.659	38.276	4	0.333	0.102	or 6 feet		
15	49.213	8.202	71	232.940	38.823	5	0.417	0.127			
16	52.493	8.749	72	236.220	39.370	6	0.500	0.152			
17	55.774	9.296	73	239.501	39.197	7	0.583	0.178			
18	59.055	9.843	74	242.782	40.464	8	0.667	0.203			
19	62.336	10.389	75	246.063	41.010	9	0.750	0.229			
20	65.617	10.936	76	249.344	41.557	10	0.833	0.254			
21	68.898	11.483	77	252.625	42.104	11	0.917	0.279			
22	72.178	12.030	78	255.906	42.651	12	1.000	0.305			
23	75.459	12.577	79	259.186	43.198						
24	78.740	13.123	80	262.467	43.745	Fthms	Metres	Feet	Metres		
25	82.021	13.670	81	265.748	44.291						
26	85.302	14.217	82	269.029	44.838	200	365.760	700	213.360		
27	88.583	14.764	83	272.310	45.385	300	548.640	800	243.840		
28	91.864	15.311	84	275.591	45.932	400	731.520	900	274.320		
29	95.144	15.857	85	278.871	46.479	500	914.400	1000	304.800		
30	98.425	16.404	86	282.152	47.025	600	1097.280				
31	101.706	16.951	87	285.433	47.572	700	1280.160				
32	104.987	17.498	88	288.714	48.119	800	1463.040				
33	108.268	18.045	89	291.995	48.666	900	1645.920				
34	111.549	18.591	90	295.276	49.213	1000	1828.800				
35	115.829	19.138	91	298.556	49.759						
36	118.110	19.685	92	301.837	50.306	Factor = 1 m = 3.280839895 feet or					
37	121.391	20.232	93	305.118	50.853	39370078740 inches = 0.546806649 fthm					
38	124.672	20.779	94	308.399	51.400						
39	127.953	21.325	95	311.680	51.947						
40	131.234	21.872	96	314.961	52.493						
41	134.514	22.419	97	318.241	53.040						
42	137.795	22.966	98	321.522	53.587						
43	141.076	23.513	99	324.803	54.134						
44	144.357	24.059	100	328.084	54.658						
45	147.638	24.606	200	656.17	109.36						
46	150.919	25.153	300	984.25	164.04						
47	154.199	25.700	400	1312.34	218.72						
48	157.480	26.247	500	1640.42	273.40						
49	160.761	26.794	600	1968.50	328.08						
50	164.042	27.340	700	2296.59	382.76						
51	167.323	27.887	800	2624.67	437.45						
52	170.604	28.434	900	2952.76	492.13						
53	173.885	28.981	1000	3280.84	546.81						
54	177.165	29.528	2000	6561.68	1093.61						
55	180.446	30.074	3000	9842.52	1640.42						
56	183.727	30.621	4000	13123.36	2187.23						