



INDIAN NOTICES TO MARINERS FOR 2007

(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)
EDITION No. 19 DATED 01 OCT 2007
(CONTAIN NOTICES 490 TO 515)

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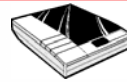
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CONTENTS

<u>Section No.</u>	<u>Title</u>	<u>Page No.</u>
I.	List of Charts Affected	05
II.	Permanent Notices	06
III.	Temporary and Preliminary Notices	13
IV.	Marine Information	22
V.	Radio Navigational Warnings	24
VI.	Corrections to List of Sailing Direction	27
VII.	Corrections to List of Lights	28
VIII.	Corrections to List of Radio Signals	30
IX.	Use of GPS for Navigation using Local (Everest) Datum charts.	31
X.	Reporting of Navigational Dangers.	32

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 following address/ fax No, immediately on discovering new or suspected dangers to navigation, on observing changes/defects to navigational aids, and of short comings in Indian charts or publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section X with this notice.

**Chief Hydrographer
to the Government of India**

**National Hydrographic Office
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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. Sl 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 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 values 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 PUBLICATIONS

<i>Publication</i>	<i>Date of Publication</i>	<i>Price</i>
Nautical Almanac	September 2007	Rs. 2370.00

(b) NEW INDIAN CHARTS

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
4040	31-08-2007	MAYABANDAR HARBOUR <u>Limits</u> 12° 54'.70N; 92° 52'.30E. 12° 57'.28N; 92° 56'.50E.	7 500	6	Rs. 1360.00

(c) NEW EDITION INDIAN CHARTS

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2006	31-08-2007	MINICOY ISLAND <u>Limits</u> 08° 13'.30N; 72° 56'.00E. 08° 21'.90N; 73° 09'.40E.	25 000	4	Rs. 1360.00

(d) INDIAN CHARTS 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>
2006	15-03-1987	MINICOY ISLAND	2006	31-08-2007

(e) CHARTS AFFECTED BY THE FOREGOING

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>
4008	31-08-2001	STEWART SOUND <u>Limits</u> 12° 50'.00N; 92° 52'.50E. 13° 02'.90N; 93° 04'.63E.	35 000	6

(f) FORTHCOMING CHARTS AND PUBLICATIONS

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
201	Gora Chan Creek to Godia Creek	150 000	New Edition
209	Hazira to Umargam	125 000	New Edition
301	Approaches to Hugli River	150 000	New Edition
2042	Approaches to Malvan	50 000	New Edition
3033	Vanjiyur Chemplast Jetty	12 500	New Chart
4005	Nancowry Harbour and Approaches	12 500	New Chart
2099	Male Atoll	25 000	New Chart

SECTION – I
List of charts affected by
The Notices 490 to 515 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
32(INT 754)	5	493	830	45	490
203(INT 7319)	2	510(T),511(T)	941A	46	507,508,509
206	2	491,492	1358	45	498
207	2	492	2403	45	506
208	2	510(T),512(T)	2781	46	507
225	4	514(P)	2785	46	507,508
253(INT 7328)	2	491,492	2851	40	495
254(INT 7331)	2	510(T)	2895	32	494
262	4	493	3412(INT 7219)	40	496
286	1	494	3785	32	494
301	5	513(T)	3833	45	506
317	4	493	3933	45	505
351	5	513(T)	3940	45	498
358(INT 7394)	4	493	3945	45	498
2039	2	512(T)	3946	45	498
2044	2	510(T)	3947	45	505
2055	2	491	3948	46	506
2060	4	510(T)	3950	40	497
2063	4	514(P)	4032	45	502,503
2064	4	514(P)	4034	45	500
2068	2	510(T),511(T)	4035	45	503
2079	2	510(T)	4037	45	501
2081	2	492	4039	45	504
2082	2	512(T)	4040	45	502,503,504
2101	2	490	4041	45	501
3006(INT 7423)	5	513(T)	4044	45	499
3011(INT 7421)	5	513(T)	5502	45	498
3013	5	513(T)			
7070(INT 70)	1	507,508,509			
7071(INT 71)	1	507,508,509			
7073(INT 73)	1	507,508,509			
7508(INT 508)	7	507,508,509			
7707(INT 707)	1	507,508			
7708(INT 708)	1	507,508,509			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

490(19/07) Miscellaneous updates to charts

Source: NHO Dehradun

Chart No.	Previous Updates	Details
Chart 2101	104/06	Insert magenta limit and Chart 2034, as follows: LL_LAT: 21° 03'·25N. LL_LONG: 72° 34'·60E. UR_LAT: 21° 08'·75N. UR_LONG: 72° 38'·50E.
Chart 4008	53/06	Delete Chart 4008(PLAN MAYABANDAR). Delete magenta limit PLAN, as follows: LL_LAT: 12° 55'·00N. LL_LONG: 92° 52'·60E. UR_LAT: 12° 57'·00N. UR_LONG: 92° 56'·96E.
Chart 4008	53/06	Insert magenta limit and Chart 4040, as follows: LL_LAT: 12° 54'·70N LL_LONG: 92° 52'·30E. UR_LAT: 12° 57'·28N; UR_LONG: 92° 56'·50E.

Source: BA Notice 4168/07

Chart No.	Previous Updates	Details
BA Chart 830	240/07	Insert magenta limit and chart number, 1353, as follows: North: 5° 43'·0N. East: - South: - West: 97° 00'·0E. Delete magenta limit and chart number, 1353, in position 5° 40'·0N., 97° 11'·0E.

*** 491(19/07) INDIA - West Coast – Veraval and Diu head – Muldwarka Port - Foul**

Source: Muldwarka Port – Gujrat Ambuja Cement Limited
(HJ/1130/09)

MV Sea Princess lost one of her anchor.

Chart 253(INT 7328) [previous update 315/07]

Insert $\#$ PA 20° 44'·00N., 70° 38'·80E.

Chart 206 [previous update 315/07]

Insert $\#$ PA 20° 44'·00N., 70° 38'·80E.

Chart 2055 [previous update NC 31 Dec 05] (WGS 84 Datum)

Insert $\#$ PA 20° 44'·04N., 70° 38'·78E.

Cancel former INM 304(T)/04.

***492(19/07) INDIA – WEST COAST – Approaches to Port from Diu to Pipavav – Light.**

Indian list of light vol. F & K 2003: F-0426

Source: DLL Jamnagar

(HJ/1130/08)

Chart 253 (INT 7328) [previous update 491/07]

Amend range of light to 16M of Nawabander light 20° 44'·40N., 71° 04'·80E.

Chart 207 [previous update 380/07]

Amend range of light to 16M of Nawabander light 20° 44'·40N., 71° 04'·80E.

Chart 206 [previous update 491/07]

Amend range of light to 16M of Nawabander light 20° 44'·40N., 71° 04'·80E.

Chart 2081 [previous update 315/07]

Amend range of light to 16M of Nawabander light 20° 44'·40N., 71° 04'·80E.

Chart 2081 (Plan Diu and Nawabander Anchorage) [previous update 315/07]

Amend range of light to 16M of Nawabander light 20° 44'·40N., 71° 04'·80E.

*** 493(19/07) INDIA AND SRILANKA – Palk Bay Western Portion – Rameshwaram – Light house.**

Indian List of Light Vol. F and K, 2003, F - 0906

Source: Hydrographic Note of IN SDB T – 59

(HJ/930/90)

Chart 32(INT 754) [previous update 335/07]

Insert  Fl(2)13M 09° 19'·10N., 79° 19'·78E.

Chart 262 [previous update 325/07]

Insert  Fl(2)20s16.5m13M 09° 19'·10N., 79° 19'·78E.

Chart 358(INT 7394) [previous update 324/07]

Insert  Fl(2)20s16.5m13M 09° 19'·10N., 79° 19'·78E.

Chart 317 [previous update 325/07]

Insert  Fl(2)20s16.5m13M 09° 19'·10N., 79° 19'·78E.

Cancel former INM 143(P)/07.

494(19/07) OMAN - South East Coast - Port Salalah (Mina -Raysut) Southwards - Depth.

Source: BA Notice 4125/07

(HJ/1032/66)

Chart 286 [previous update 503/06] (WGS 84 DATUM)

Insert depth 694 and extend 1000m contour S to enclose 16° 38'·6N., 53° 57'·8E.

BA Chart 2895 [previous update 452/07]

Insert depth 694 16° 38'·58N., 53° 57'·76E.

BA Chart 3785 [previous update 211/06]

Insert depth 694 and extend 1000m approximate contour S to enclose 16° 38'·6N., 53° 57'·8E.

495(19/07) OMAN - Gulf of Oman - Approaches to Port Sohar - Buoy.

Source: BA Notice 4064/07

(HJ/1132/43)

BA Chart 2851 (plan B, Port Sohar) [previous update 393/07]

Delete  *GRG* Fl(2+1)G.6s Sohar No.1 24° 33'·10N., 56° 37'·55E

496(19/07) UNITED ARAB EMIRATES - Dubai (Dubayy) - Umm as Suqaym I Harbour North-eastwards - Buoyage.

Source: BA Notice 4104/07

(HJ/1132/54)

BA Chart 3412 (INT 7219)[previous update 409/07]

Insert  *Q.G* 25° 11'·88N., 55° 13'·42E.

25° 10'·72N., 55° 13'·04E.

497(19/07) QATAR -East coast - Ras al Quţayfan - Pier.

Source: BA Notice 4076/07

(HJ/1132/58)

BA Chart 3950[*previous update 454/07*]

Insert pier, single firm line, joining:

25° 28'·20N., 51° 30'·31E.(shore)

25° 28'·70N., 51° 31'·26E.

25° 28'·70N., 51° 31'·64E.

25° 28'·46N., 51° 32'·16E.

498(19/07) MALACCA STRAIT - Pulau Pulau Aruah Eastwards - Batu Mandi - Light.

Indian List of Light Vol. F and K, 2003, F - 1388

Source: BA Notice 3998/07

(HJ/927/29)

BA Chart 1358[*previous update 481/07*]Insert  Fl(2)10s20M

2° 52'·2N., 100° 41'·1E.

BA Chart 3940[*previous update NE 07 Jun 07*]Insert  Fl(2)10s43m20M

2° 52'·18N., 100° 41'·15E.

BA Chart 3945[*previous update 337/07*]Insert  Fl(2)10s43m20M

2° 52'·17N., 100° 41'·07E.

BA Chart 3946[*previous update 460/07*]Insert  Fl(2)10s43m20M

2° 52'·17N., 100° 41'·07E.

BA Chart 5502[*previous update 397/07*]Insert 

2° 52'·2N., 100° 41'·1E.

499(19/07) SINGAPORE - Johor Strait - Pulau Serangoon Northwards and South-eastwards - Buoyage.

Source: BA Notice 4014/07

(HJ/927/16)

BA Chart 4044 (plan A, Serangoon Harbour)[*previous update 414/07*]Insert  Fl.Y.4s K1

1° 24'·020N., 103° 56'·900E.

BA Chart 4044[*previous update 414/07*]Insert  Fl.Y.4s K1

1° 24'·02N., 103° 56'·90E.



Fl.Y.6s K2

1° 23'·90N., 103° 56'·22E.



Fl.Y.8s K3

1° 24'·12N., 103° 56'·08E.



Fl.Y.10s K4

1° 25'·18N., 103° 55'·00E.

**500(19/07) SINGAPORE -East Jurong Channel - Jurong Island North-eastwards - Light-beacon.
Leading line.**

Indian List of Light Vol. F and K, 2003, F - 1700.9, 1700.91

Source: BA Notice 4134/07

(HJ/927/16)

BA Chart 4034 [*previous update NE 05 Jul 07*]







Insert	leading line, pecked line for 500m, extending in direction 49·8° from:	(a)	1° 17'·315N., 103° 43'·543E. (OTS6 light-beacon)
	legend, 229·8°, seaward end of:	(a)	above
Amend	OTS 7 light-beacon to, Fl.4s9m3M		1° 17'·383N., 103° 43'·623E.

501(19/07) SINGAPORE - Marina South - Eastwards - Mooring buoys.

Source: BA Notice 4027/07

(HJ/927/16)

BA Chart 4037 [*previous update 461/07*]

Insert		MS28		1° 16'·295N., 103° 52'·335E.
		MS30		1° 16'·246N., 103° 52'·270E.
Move		MS29	from:	1° 16'·397N., 103° 52'·160E.
			to:	1° 16'·384N., 103° 52'·330E.
		MS31	from:	1° 16'·433N., 103° 52'·273E.
			to:	1° 16'·335N., 103° 52'·264E.
Delete	former		MS28	1° 16'·380N., 103° 52'·101E.
	former		MS30	1° 16'·430N., 103° 52'·190E.

BA Chart 4041 [*previous update 461/07*]

Move		from:		1° 16'·38N., 103° 52'·10E.
		to:		1° 16'·30N., 103° 52'·34E.
		from:		1° 16'·40N., 103° 52'·16E.
		to:		1° 16'·38N., 103° 52'·33E.
		from:		1° 16'·43N., 103° 52'·19E.
		to:		1° 16'·25N., 103° 52'·27E.
		from:		1° 16'·44N., 103° 52'·30E.
		to:		1° 16'·34N., 103° 52'·26E.

502(19/07) SINGAPORE -Sinki Fairway -Terumbu Pandan Westwards - Depths.

Source: BA Notice 4059/07

(HJ/927/16)

BA Chart 4032 [*previous update 462/07*]

Substitute	depth 14 ₈ enclosed by 15m contour for depth 15 ₁		1° 15'·552N., 103° 44'·296E.
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BA Chart 4040 [*previous update 482/07*]

Insert	depth 14 ₈ enclosed by 15m contour		1° 15'·55N., 103° 44'·30E.
	depth 1 ₈ enclosed by 2m contour	(a)	1° 15'·57N., 103° 44'·91E.
Delete	depth 3 ₁ , close NE of:	(a)	above



503(19/07) SINGAPORE - Jong Fairway - Pulau Bukom - Beacons. Light-beacons. Leading line.

Indian List of Light Vol. F and K, 2003, F - 1689, F - 1689.1

Source: BA Notice 4061/07



(HJ/927/16)

BA Chart 4032 [*previous update 502/07*]

Substitute symbol, yellow beacon with triangular topmark, apex downwards, for symbol, yellow light-beacon with triangular topmark, apex downwards, Fl.Y.4s13m11M (a) 1° 14'·408N., 103° 45'·638E.
 for  Fl.Y.2s7m11M 1° 14'·421N., 103° 45'·675E.



Delete leading line, pecked line, and associated legend 246.8°, extending in direction 66·8°, from: (a) above

BA Chart 4035 [*previous update NE 05 Jul 07*]

Substitute symbol, yellow beacon with triangular topmark, apex downwards, for symbol, yellow light-beacon with triangular topmark, apex downwards, Fl.Y.4s13m11M (a) 1° 14'·408N., 103° 45'·638E.
 for  Fl.Y.2s7m11M 1° 14'·421N., 103° 45'·675E.

Delete leading line, pecked line, and associated legend 246.8°, extending in direction 66·8°, from: (a) above

BA Chart 4040 [*previous update 502/07*]

Substitute symbol, yellow beacon with triangular topmark, apex downwards, for symbol, yellow light-beacon with triangular topmark, apex downwards, Fl.Y.4s13m11M (a) 1° 14'·40N., 103° 45'·64E.
 for  Fl.Y.2s7m11M 1° 14'·42N., 103° 45'·67E.

Delete leading line, pecked line, and associated legend 246.8°, extending in direction 66·8°, from: (a) above

504(19/07) SINGAPORE - Pulau Bukom - Batu Kopi South-eastwards - Depths.

Source: BA Notice 4060/07

(HJ/927/16)

BA Chart 4039 [*previous update 482/07*]

Substitute depth 1₉ enclosed by 5m contour for depth 3 enclosed by 5m contour 1° 13'·33N., 103° 46'·89E.

BA Chart 4040 [*previous update 503/07*]

Substitute depth 1₉ enclosed by 5m contour for depth 3 enclosed by 5m contour 1° 13'·33N., 103° 46'·89E.

505(19/07) INDONESIA - Sumatera - East Coast - Selat Rupert - Leading lights.


Indian List of Light Vol. F and K, 2003, F - 1401.9

Source: BA Notice 4077/07

(HJ/927/18)

BA Chart 3933 [*previous update 338/07*]

Insert  Q.16m11M (a) 1° 41'·49N., 101° 47'·17E.
 sector at light as follows: (a) above
 W 083·8° - 092·2° (8·4°)

Delete  Q.18m11M G and associated sector 1° 41'·50N., 101° 47'·88E.

BA Chart 3947 [*previous update 481/07*]

Amend range of light to, 11M 1° 41'·50N., 101° 47'·20E.

506(19/07) INDONESIA - Sumatera - Selat Durian - Pulau Karimun Besar Eastwards - Anchorage area.

Source: BA Notice 4112/07

(HJ/927/16)

BA Chart 2403 [*previous update 482/07*]

Insert	limit of anchorage area, pecked line, joining:	(a)	1° 03′-00N., 103° 32′-00E. (existing limit) 0° 59′-70N., 103° 32′-17E.
		(b)	1° 00′-20N., 103° 30′-30E. (existing limit)
Delete	former limit of anchorage area, pecked line, joining:	(a)	above
		(b)	above

BA Chart 3833 [*previous update 482/07*]

Insert	limit of anchorage area, pecked line, joining:	(a)	1° 03′-02N., 103° 32′-04E. (existing limit) 0° 59′-70N., 103° 32′-17E.
		(b)	1° 00′-20N., 103° 30′-30E. (existing limit)
Delete	former limit of anchorage area, pecked line, joining:	(a)	above
		(b)	above

BA Chart 3948 [*previous update 415/07*]

Insert	limit of anchorage area, pecked line, joining:		1° 02′-10N., 103° 32′-08E. (N border) 0° 59′-70N., 103° 32′-17E.
		(a)	1° 00′-20N., 103° 30′-30E. (existing limit)
Delete	former limit of anchorage area, pecked line, joining:		1° 02′-10N., 103° 31′-35E. (N border)
		(a)	above

507(19/07) INDONESIA - Sumatera - Southwest Coast - P. Batu Kecil - Light.

Indian List of Light Vol. F and K, 2003, K - 0913

Source: BA Notice 3987/07

(HJ/827/45)

Chart 7070 (INT 70) [*previous update 449/07*] (WGS84 DATUM)

Insert			5° 54′-0S., 104° 26′-0E.
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Chart 7071 (INT 71) [*previous update 244/07*] (WGS84 DATUM)

Insert			5° 54′-0S., 104° 26′-0E.
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Chart 7073 (INT 73) [*previous update 449/07*] (WGS84 DATUM)

Insert			5° 54′-0S., 104° 26′-0E.
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Chart 7508 (INT 508) [*previous update 442/07*] (WGS84 DATUM)

Insert	 Batu Kecil		5° 54′-0S., 104° 26′-0E.
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Chart 7707 (INT 707) [*previous update 463/07*] (WGS84 DATUM)



Insert	 Batu Kecil		5° 54′-0S., 104° 26′-0E.
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Chart 7708 (INT 708) [*previous update 442/07*] (WGS84 DATUM)

Insert	 Batu Kecil		5° 54′-0S., 104° 26′-0E.
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BA Chart 941A [*previous update 484/07*]

Insert	 Fl.6s20M		5° 53′-8S., 104° 26′-4E.
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BA Chart 2781 [*previous update 048/07*]

Insert	 Fl.6s146ft20M		5° 53′-8S., 104° 26′-4E.
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BA Chart 2785 [*previous update 307/07*]

Insert	 Fl.6s45m20M		5° 53′-8S., 104° 26′-4E.
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508(19/07) INDONESIA - Jawa - Southwest Coast - P.Deli and T.Genteng - Lights.

Indian List of Light Vol. F and K, 2003, K - 1050.4, 1279.5

Source: BA Notice 3986/07

(HJ/827/24)

Chart 7070 (INT 70) [previous update 507/07] (WGS84 DATUM)

Insert  7° 01'·0S., 105° 31'·0E.
7° 23'·0S., 106° 24'·0E.

Chart 7071 (INT 71) [previous update 507/07] (WGS84 DATUM)

Insert  7° 01'·0S., 105° 31'·0E.
7° 23'·0S., 106° 24'·0E..

Chart 7073 (INT 73) [previous update 507/07] (WGS84 DATUM)


Insert  7° 01'·0S., 105° 31'·0E.
7° 23'·0S., 106° 24'·0E.

Chart 7508 (INT 508) [previous update 507/07] (WGS84 DATUM)



Insert  Deli 7° 01'·0S., 105° 31'·0E.
 Ujung Genteng 7° 23'·0S., 106° 24'·0E.

Chart 7707 (INT 707) [previous update 507/07] (WGS84 DATUM)




Insert  Deli 7° 01'·0S., 105° 31'·0E.

Chart 7708 (INT 708) [previous update 507/07] (WGS84 DATUM)

Insert  Deli 7° 01'·0S., 105° 31'·0E.
 Ujung Genteng 7° 23'·0S., 106° 24'·0E.

BA Chart 941A [previous update 507/07]

Insert  Fl(2)10s20M 7° 01'·0S., 105° 31'·4E.
 Fl(2)10s141ft20M 7° 22'·8S., 106° 24'·4E.

BA Chart 2785 [previous update 507/07]

Insert  Fl(2)10s45m20M 7° 01'·0S., 105° 31'·4E.

509(19/07) INDONESIA - Jawa - Southeast Coast - Panehan Island and Barung Island - Lights.

Indian List of Light Vol. F and K, 2003, K - 1262.7, 1261.8

Source: BA Notice 3985/07

(HJ/826/16)

Chart 7070 (INT 70) [previous update 508/07] (WGS84 DATUM)

Insert  8° 30'·0S., 113° 18'·0E.
8° 22'·0S., 111° 31'·0E.

Chart 7071 (INT 71) [previous update 508/07] (WGS84 DATUM)

Insert  8° 30'·0S., 113° 18'·0E.
8° 22'·0S., 111° 31'·0E.

Chart 7073 (INT 73) [previous update 508/07] (WGS84 DATUM)


Insert  8° 30'·0S., 113° 18'·0E.
8° 22'·0S., 111° 31'·0E.

Chart 7508 (INT 508) [previous update 508/07] (WGS84 DATUM)





Insert  Barung 8° 30'·0S., 113° 18'·0E.
 Panehan 8° 22'·0S., 111° 31'·0E.

Chart 7708 (INT 708) [previous update 508/07] (WGS84 DATUM)

Insert  Barung 8° 30'·0S., 113° 18'·0E.
 Panehan 8° 22'·0S., 111° 31'·0E.

BA Chart 941A [previous update 508/07]

Insert  Fl(2)10s20M 8° 22'·2S., 111° 30'·8E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***510(T)(19/07) INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Buoys.**

Source: DLL Jamnagar and Navarea VIII 249/07

(HJ/1131/20)

1. Following Buoys are unlit:
 - (a) Chandri Buoy 22°37'·17N., 69°07'·49E
 - (b) Sonar Buoy 22°44'·77N., 69°32'·35E
 - (c) Sultanpur 21°15'·65N., 72°11'·40E
 - (d) Tilburn 22°37'·20N., 69°31'·90E
2. Mariners to exercise caution.

Charts affected – 203(INT 7319) – 208 -254(INT 7331) -2068 – 2044 – 2079 - 2060***511(T)(19/07) INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Salaya Channel Buoy.**

Source: DLL Jamnagar and Navarea VIII 035/07

(HJ/1131/20)

1. Paga Buoy in position 22°35'·38N., 69°14'·40E Unlit.
2. Mariners to exercise caution.

Charts affected – 203(INT 7319) - 2068***512(T)(19/07) INDIA - WEST COAST –Approaches to Dahej – Baruch Channel - Buoy.**

Source: DLL Jamnagar and Navarea VIII 279/07

(HJ/1130/17)

1. Buoy No. 5 in position 21°37'·42N., 72°32'·40E Unlit.
2. Mariners to exercise caution.

Charts affected – 208 – 2039 - 2082***513(T)(19/07) INDIA - EAST COAST - Hugli River -Haldia to Kukrahatti Reach – Depths.**

Source: Kolkata Port Trust

(HJ/1129/21)

1. The maximum & minimum sounding reports for Kolkata & Haldia channels are appended below:-

<u>Month</u>	<u>Kolkata</u>		<u>Haldia</u>	
	<u>Max Depth</u>	<u>Min Depth</u>	<u>Max Depth</u>	<u>Min Depth</u>
Aug 07	3.2 m	2.8 m	4.4 m	4.3 m

2. The above depths are below chart datum that is, at Zero level of tide.
3. Mariners are to exercise caution.
4. **Cancel former INM 467(T)/07.**

Chart affected – 301- 351 - 3011(INT 7421) – 3013 - 3006(INT 7423)**514(P)(19/07) SRI LANKA -West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.**

Source: BA Notice 4115(P)/07

(HJ/930/70)

1. A recently received survey of the approaches to Colombo shows the following changes. All positions are referred to WGS84 Datum.

2. Numerous depths less than charted exist in Colombo Harbour and its approaches. The most significant are as follows:

19 ₄ m	7° 02'·27N., 79° 46'·02E.
12 ₂ m	7° 02'·21N., 79° 49'·25E.
13 ₁ m	7° 01'·38N., 79° 48'·44E.
12 ₃ m	7° 01'·05N., 79° 49'·31E.

514(P)(19/07) SRI LANKA -West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.(continued)

28 ₈ m	7° 00'·89N., 79° 42'·17E.
13 ₈ m	7° 00'·84N., 79° 48'·23E.
24 ₆ m	7° 00'·17N., 79° 45'·17E.
6 ₃ m	6° 59'·91N., 79° 50'·20E.
27 ₄ m	6° 59'·42N., 79° 43'·09E.
25 ₈ m	6° 59'·29N., 79° 45'·54E.
12 ₈ m	6° 59'·23N., 79° 49'·67E.
28 ₇ m	6° 58'·98N., 79° 43'·13E.
28 ₈ m	6° 58'·44N., 79° 43'·30E.
15 ₈ m	6° 57'·82N., 79° 48'·79E.
27 ₆ m	6° 57'·80N., 79° 43'·74E.
25 ₇ m	6° 57'·51N., 79° 45'·68E.
15 ₇ m	6° 57'·27N., 79° 48'·72E.
12m	6° 56'·74N., 79° 49'·94E.
26 ₃ m	6° 56'·55N., 79° 44'·81E.
24 ₂ m	6° 56'·05N., 79° 45'·31E.
9 ₁ m	6° 55'·66N., 79° 50'·12E.
13 ₅ m	6° 55'·65N., 79° 49'·94E.
21 ₉ m	6° 55'·51N., 79° 45'·66E.
7 ₉ m	6° 55'·50N., 79° 50'·33E.
9 ₇ m	6° 54'·96N., 79° 50'·23E.
22 ₆ m	6° 54'·64N., 79° 46'·13E.
23 ₇ m	6° 54'·01N., 79° 46'·60E.
7 ₄ m	6° 53'·23N., 79° 50'·79E.
21 ₁ m	6° 52'·78N., 79° 47'·35E.
26 ₄ m	6° 52'·49N., 79° 42'·70E.

3. Depths up to 6m shoaler than the declared depth are reported to exist within the dredged area centred on position 6° 56'·67N., 79° 50'·88E. For further details please contact the Colombo Port Authority.

4. The sewer pipeline is now located as follows:

6° 57'·82N., 79° 51'·72E. (shore)

6° 58'·59N., 79° 51'·12E.

6° 58'·51N., 79° 51'·02E.

The pipeline is marked at its seaward end by a lit buoy, *Fl.3s*.

Charts affected -225 – 264 - 2063

***515 (T) (19/07) Temporary and Preliminary Notices (in force as on 01 Oct 2007)**

INM *378(T) (13/07) 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.
271 (P)/04	B.A. 724	INDIAN OCEAN – Seychelles – La Digue – La Passe – Breakwater.
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.
444 (T)/06	B.A. 563 2741 2756 2757	INDIAN OCEAN - Comores - Ile de Mayotte - Fish havens.
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
597 (P) /06	20 B.A. 2523 (INT 7250) - 2886 - 3735 (INT 7259) - 3737 (INT 7255) - 3738 (INT 7254) -3788 - 3790 (INT 7252) -3791 -3950	QATAR - Az Za'ayin to BAHRAIN, Al Manama - Submarine cable
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

601 (P) /06	20 – 8004 B.A. 2442 -2443 -2886 -2889 (INT 7211) -3174 -3950	UNITED ARAB EMIRATES - QATAR - Submarine cables
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.
249(P)/07	B.A. 3718 – 3719 – 3788	SAUDI ARABIA - East Coast - Jubail North-eastwards - Depths.
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.
469(P)/07	BA 2895 -2896	OMAN - South East Coast - Port Salalah (Mina Raysut) -Breakwaters. Buoyage. Lights.
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.
487(T)/07	2097	OMAN - Approaches to Port Sultan Qaboos - Ras Kalbuh Westwards - Buoy.
488(P)/07	20 - 288 – 289 BA 2523 (INT 7250) - 2886 -3791 - 3950	QATAR - Ras Laffan East-north-eastwards - Submarine pipeline. Buoyage.
489(P)/07	BA 1223 -3773	KUWAIT - Mina -. Ash Shuaybah South-eastwards and Mina. Al Ahmadi-North-eastwards - Buoyage. Dredging area. Works. Pier. Submarine pipelines.

2. INDIA WEST COAST - INDIAN OCEAN

110(T)/92	2018 2080 203	INDIA –West Coast –Approaches to Kandla Light buoy amended.
302(T)/97	2001 2015 2016	INDIA –West Coast –Bombay Harbour – Cross Island – Mooring buoy
52(T)/98	2016 211	INDIA –West Coast –Bombay Harbour: Buoy
75(T)/98	256	INDIA –West Coast –Angria bank: Buoy
354(T)/98	2016 211	INDIA –West Coast –Bombay Harbour – Buoy
260(T)/99	255	INDIA West Coast – Approaches to Bombay – Bombay high, Oilfield development area – Platform
131(T)/00	2016 211 255	INDIA – West Coast – Bombay Harbour – Wreck
201(T)/00	2033 2060 2080 203	INDIA – West Coast – Gulf of Kachchh – Munde Reef – Lighterage area; Chemical and Gas anchorage area
270(P)/00	2008	INDIA – West Coast – Karwar Harbour – Works
330(P)/01	2076 2016	INDIA – West Coast – Mumbai Harbour – Jawahar Lal Nehru Port – Port Development
407(T)/01	2100 2056 2081	INDIA – West Coast – Pipavav Port – Prohibited Area, Leading Transit
102(P)/02	2044 2101	INDIA– West Coast – Approaches to Hazira – Submarine pipeline
294(P)/02	2008 2009 215	INDIA – West Coast – Off Karwar – Prohibited Area
372(P)/02	224 317 262	INDIA – South Coast – North of Gulf of Mannar – Depths
446 (T)/02	2025 217 258 (INT 7348)	INDIA – West Coast – Approaches to Mangalore Harbour– Sunken Pontoon
484 (T)/02	2040 204 205 252 (INT 7325)	INDIA – West Coast – Porbandar Harbour – Buoy
176 (P)/03	2076 2016	INDIA – West Coast – Jawaharlal Nehru Port – Jetty
197 (T)/03	211 255 292 21	INDIA West Coast – Approaches to Mumbai – Neelam Heera and Ratna Oilfield area

209 (T)/03	2040	INDIA – West Coast – Porbandar Anchorages – Depths
233 (T)/03	21 292 7705 (INT 705)	INDIA – West Coast – Arabian Sea – Data buoy
270 (T)/03	2082 2039	INDIA – West Coast – Dahej Harbour – Breakwater
356 (T)/03	21 292	INDIA – West Coast – Dwaraka to Bombay – Buoy.
413 (P)/03	268 (INT 7353) 273 2007	INDIA – Lakshadweep – Androth Island – Breakwater. Beacon.
92 (T)/04	208 209 2019 2044	INDIA – West Coast – Approaches to Magdalla – Submarine Pipeline.
121 (P)/04	208 209 254 2019 2044 2101	INDIA – West Coast – Approaches to Magdalla – Drilling.
137 (T)/04	21 203 2068 7705 (INT 705)	INDIA – West Coast – Gulf of Kachchh – Ballast Split.
195 (T)/04	292 (INT 7021)	ARABIAN SEA – Muscat to Bombay – Data Buoy.
302 (T)/04	2013 2031 2055 2068	INDIA – West Coast – Gulf of Kachchh – Port of Okha – Buoy.
407(T)/04	211 255 (INT 7334) 292 (INT 7021) 2016	INDIA – West Coast – Approaches to Mumbai – Restricted area.
449(T)/04	B.A. 1495 (INT 7736) 1497 (INT 7735)	INDIAN OCEAN – La Reunion – Approaches to La Reunion – Fish havens.
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.
85(P)/05	2021 2068	INDIA –West coast –gulf of Kachchh –Mundra Port - Submarine pipeline.
86(T)/05	208 2019 2044 2101	INDIA – West Coast – Magdalla Port – Buoy.
102(P)/05	2021 2068 2080	INDIA – West Coast – Gulf of Kachchh – Mundra Port – Work.
105(T)/05	4011	INDIA –Andaman Sea –Nicobar Islands – Approaches to East Bay – Jetty.
106(T)/05	4005 4006 4008 4012 4016	INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.
129(P)/05	209 2019 2068 2101	INDIA – West Coast – Approaches to Hahira – Magdalla Port and approaches – Buoy. Light. Jetty. Mooring.
157(P)/05	209 2019 2068 2101	INDIA – West Coast – Approaches to Hazira – Hazira Port – Breakwater, Channel, Basin and Berth Pocket
302(T)/05	2031	INDIA – West Coast–Gulf of Kachchh–Okha Harbour–Buoy.
343(T)/05	31 32 (INT 754) 33 313 315 356 3001 (INT 7402) 3028	INDIA – West and East Coast – Off Ratnagiri, Chennai, Ennore, Ramyapatnam, Machalipatnam, Paradip, Cuddalore, Mahabalipuram, Vishakhapatnam – Data Buoys.
365(T)/05	402 403 473 (INT 7031) 4003 4008	INDIA –Andaman Islands–Mayabandar and Port Cornwallis–Depths.
594 (T) /05	402 472 (INT 7032) 473 (INT 7031)	INDIA – WEST COAST – Andaman Sea – Data Buoy.
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.
231 (P)/06	203 2060 2068.	INDIA – West Coast – Pathfinder Inlets – Submarine Pipeline.
232 (P)/06	22(INT 752) 293(INT 7022) 257(INT 7343) 214 2022(INT 7345) 7706(INT 706).	INDIA – West Coast –Approaches to Mormugao- Wreck
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.
325 (P)/06	257(INT 7343) 216 215 2008	INDIA-West Coast-Karwar harbour and approaches-wreck.
386 (P)/06	292(INT 7021) 254 (INT 7331) 209	INDIA WEST COAST – Hazira to Umargam – Eastern Bank - Wreck
407 (P)/06	273 268 (INT 7353).	INDIAN OCEAN – Central Lakshadweep – Chenyakara Island – Wreck.
424 (P)/06	252(INT 7325) 204 205 2040.	INDIA – West Coast – Porbandar Anchorage – Wreck.
425 (P)/06	255 (INT 7334).	INDIA – West Coast – Approaches to Mumbai – Bombay High Oilfield Development Area –Wreck.
441 (P)/06	213 256(INT 7340)	INDIA – West Coast – Ratnagiri to Vengurla – Wreck.
496 (T)/06	255 (INT 7334) – 211 – 2016 (INT 7336)	INDIA – West Coast – Inner approaches to Mumbai – Obstruction
510 (T)/06	2010	INDIA – West Coast – Karwar harbour – Transits.
511 (T)/06	2012	INDIA – West Coast – Alleppey Anchorage – Jetty
595 (T)/06	255 (INT 7334) - 293 (INT 7022) - 292 (INT 7021)	INDIA – West Coast – Approaches to Mumbai – Wreck
596 (T)/06	2011 - 212	INDIA – West Coast –Port Dabhol – Breakwater, Buoy, Dolphin

50 (T)/07	22(INT 752)- 23-32(INT 754) – 33-214 –217 – 224- 258 (INT 7348) – 262-268 (INT 7353) - 272 -273- 293 (INT 7022)- 2002(INT 7351)- 2020 -2022(INT 7345) - 2052(INT 7350)- 2075(INT 7366)- 2078 (INT 7346)-7705 (INT 705) - 7706(INT 706)	INDIA WEST COAST– ARABIAN SEA –New Mangalore Port, Off Mormugao Port – Data Buoys
090(T) /07	255(INT 7334) – 211 – 2016(INT 7336) – 2015 (INT 7337)	INDIA – West Coast –Port of Mumbai –Light.
105(T) /07	204 – 205 – 252 (INT 7325) – 2040	INDIA – West Coast –Porbandar Anchorage – Wreck.
167(T) /07	2016(INT 7336)-2015(INT 7337) - 2076-2001	INDIA – West Coast – Port of Mumbai – Buoys.
216(P) /07	2077 - 2028	INDIA – West Coast – Kochi (cochin) harbour – buoys.
275(T) /07	2031 - 2013	INDIA WEST COAST – Gulf of Kachchh – Port of Okha - Buoy.
306(T) /07	254(INT 7331) – 208 – 209 – 2044 – 2101 - 2019	INDIA - WEST COAST – Approaches to Magadalla -Tapi Channel – Buoys.
307(P) /07	260(INT 7362) - 259(INT 7356) – 220 - 2029(INT 7358) - 2004(INT 7359)	INDIA - WEST COAST – Kochi (Cochin harbour)- SPM- Pipe line.
346(T) /07	203(INT 7319)– 2060 – 2068.	INDIA - WEST COAST – GULF OF KACHCHH- Lightrage Operation
347(T) /07	21 - 292(INT 7021) - 252(INT 7325) – 204 - 205.	INDIA - WEST COAST –Navibandar to Veraval. Wreck.
348(T) /07	21-291- 292 (INT 7021) -271- 252(INT 7325) -202-204.	INDIA - WEST COAST –Dwaraka to Navibandar – Wreck.
349(T) /07	255 (INT 7334) –2016 (INT 7336).	INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.
350(T) /07	2016 (INT 7336).	INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.
351(T) /07	22(INT 752)-258(INT 7348)- 217-272-2052(INT 7350)- 2002(INT 7351)	INDIA WEST COAST– ARABIAN SEA –Off Mormugao Port – Data Buoys.
372(T) /07	2008 – 2010	INDIA - WEST COAST –Karwar harbour – Buoy.
400(T) /07	254 (INT 7331) – 207.	INDIA – WEST - COAST – Diu Head to Gopnath Point – Buoys.
401(T) /07	258 (INT 7348) – 217 – 216– 2073.	INDIA - WEST COAST – Approaches to Kundapura (Coondapoor) Port - Intimation
*510(T)/07	203(INT 7319) – 208 -254 (INT 7331) -2068 – 2044 – 2079 - 2060	INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Buoys
*511(T)/07	203(INT 7319) - 2068	INDIA - WEST COAST –Gulf of Kachchh – Deep Water Route. Salaya Channel Buoy.
*512(T)/07	208 – 2039 - 2082	INDIA - WEST COAST –Approaches to Dahej – Baruch Channel - Buoy.

3. INDIA EAST COAST - ANDAMAN NICOBAR, SRI LANKA

247(P)/95	4030 405 473	INDIA –Andaman Islands – Depth; Rocks
163(T)/99	41 451	INDIA – Andaman Sea – Gulf of Martaban – Oil Development Area
57(T)/00	2075	INDIA –Southeast Coast – Tuticorin Harbour – Buoy
81(T)/00	452 451 411 410 41	INDIA–Andaman Sea – Gulf of Martaban – Wreck
63 (T)/03	4001 4014 403	INDIA – Bay of Bengal – Middle Andaman – Rangat Bay – Beacon
64 (T)/03	4004 4013 4015 404 409	INDIA – Andaman Sea – Campbell bay and Havelock Island – Lights, dolphins
162 (T)/03	2075 (INT 7366) 2037 263 262 224 32	INDIA – Southeast Coast – Tuticorin Harbour – Damaged Barge Shiva-2
252 (P)/03	3008 3026 355 (INT 7405) 356 31 32 (INT 754)	INDIA – East Coast – Vadarevu Anchorage – Light
343 (P)/03	4032	INDIA – Nicobar Islands – Sawai Bay and Malacca Anchorage – Breakwater, Beacon.
380 (T)/03	315 316 358	INDIA AND SRILANKA – Palk Strait – Wreck.
193 (T)/04	225 2064	SRILANKA – West Coast – Colombo, Weligama Bay and Beruwala Point Westwards – Depths. Wreck. Rocks. Harbour limit. Port development.

203 (T)/04	355 (INT 7405) 356	INDIA – East Coast – Bay of Bengal – Moorings.
287 (P)/04	3010	INDIA – East Coast – Paradip Port – Breakwater.
323 (T)/04	3028	INDIA – East Coast – Ports of Ennore – Jetty.
355 (P)/04	308 354 (INT 7408) 3002 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakhapatnam Harbour – Berth.
389(T)/04	4013 4016	INDIA – Andaman Sea – Neill Island – Jetty.
390(T)/04	409 471 472 (INT 7032) 4036	INDIA-Andaman Sea -Nicobar Islands -Approaches to Pulo Millow-Light.
391(T)/04	409 472 (INT 7032) 4034	INDIA – Andaman Sea – Little Nicobar Islands – Kabra Island – Light.
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.
133(T)/05	308 354 (INT 7410) 3012 (INT 7411)	INDIA – East Coast – Vishakapatnam Harbour – Wreck.
135(T)/05	4010	INDIA – Andaman Sea – Little Andaman Islands-Hut Bay-Coast line.Jetty.Light.
160(T)/05	409 471 472 (INT 7032) 4035	INDIA – Andaman Sea – Nicobar Island – Campbell Bay – Rock.
276(T)/05	4012.	INDIA – Andaman Island – Inner Harbour – Port Blair – Beacon.
364(P)/05	4019 B.A. Chart 833	MYANMAR - Rangoon River - Wreck. Depths. Port developments. Lights. Coastline. Bridge. Drying contour.
467(T)/05	22 23 32 263 (INT 7383)	India –Cape Comorin to Colombo – Buoy.
468(T)/05	317 358 (INT 7394) 3016	India –East Coast – Approaches to Mandapam – Landmark.
567 (P) /05	357 (INT 7397) 3007	INDIA – East Coast – Point Calimere to Chennai (Madras) – Jetty.
*59 (T) /06	22 23 32 33 263 41 407 471 472	INDIA – West and East coast – Andaman Sea and Gulf of Mannar – data buoy .
75 (T)/06	22 32(INT 754) 214 217 224 257 258 262 268 272 273 2002 2020 2022 2052 2075 (INT 7366) 2078	INDIA – East & West Coast – Tuticorin, Off Kavarati Island, Lakshadweep Sea, Port of Mormugoa and Port of New Mangalore – Data Buoys.
137 (T)/06	33 356 (INT 7400) 357 (INT 7397) 313 3001 (INT 7402) 3004 (INT 7403)	INDIA -East Coast – Madras (Chennai) Harbour – Data buoy.
180 (T) /06	214 257 293 313 356(INT 7400) 2020 2022 2078 (INT 7346) 3001	INDIA – East & West Coast – Ennore Port & Off Mormugao Port – Data Buoy.
258 (T)/06	21 32 313 356 357 3001 7703 (INT 703) 7706(INT 706).	INDIA – East Coast – Approaches to Chennai – Data buoys
428 (P)/06	351 301.	INDIA – East Coast – Ocean – Approaches to Hugli River – Obstruction
429 (P)/06	473 (INT 7031) 472(INT 7032) 406.	ANDAMAN SEA – India – Andaman Islands – Little Andaman Island to Ten Degree Channel – Wreck.
442 (P)/06	3010 (INT 7418) (Plan).	INDIA – East Coast – Paradip Port – Work in Progress.
443 (P)/06	4036 409	ANDAMAN SEA - India-Nicobar Islands -Approaches to Pulo Millow - Off Meroe Island -Wreck.
475 (T) /06	4005	ANDAMAN SEA – INDIA – Nicobar Islands –Nancowary harbour and approaches – Buoy.
512 (T) /06	356 (INT 7400) – 313 – 3001 (INT 7402)	INDIA – East Coast – Approaches to Chennai (Madras) – Data Buoy
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
169(T) /07	3012(INT 7411)	INDIA – East Coast –Vishakhapatnam Harbour – Mooring Buoy.
170(P) /07	41- 405 – 473(INT 7031) - 4030 – 7706 (INT 706)	INDIA – Andaman Sea- Manners Strait And Duncan Passage- Off Cinque Island – Wrecks.
171(T) /07	41- 7071(INT 71) – 7073 (INT 73) – 7706 (INT 706)	INDIA – Andaman Sea- Drilling Operations.
187(T) /07	31-32(INT 754)-33	INDIA EAST COAST– Off Chennai, Off Machillipatnam, Off Cuddalore and Off Vedarannyam – Data Buoys.
188(T) /07	321 – 322 – 371 – 3020	BAY OF BENGAL- Coast of Burma– Combermere Bay to Cheduba Strait – Kyaukpyu harbour – Met Observations.
189(T) /07	371 – 320 – 321 – 3019– 3022	BAY OF BENGAL- Coast of Burma– Approaches to Kaladan River – Met Observations.

217(P) /07	357(INT 7397)	INDIA - East Coast – Point Calimere to Chennai (Madras) – Karaikal – Work in progress.
218(P) /07	3031	INDIA – East Coast – Krishnapatnam Anchorages – 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.
248(T) /07	33	INDIA – Off Car Nicobar – Tsunami Buoys.
276(T) /07	31 33	BAY OF BENGAL – Northern and Southern Portion – Data Buoys.
308(T) /07	32(INT 754) – 315 – 316 – 317 - 358(INT 7394)	INDIA - EAST COAST – Bay of Bengal- Dredging Operation
309(T) /07	33	INDIAN OCEAN - BAY OF BENGAL – Southern Portion – Tsunami Data Buoy.
310(T) /07	353(INT 7413)	INDIA – East Coast – Kalingapatnam to Gopalpur – Unexploded Charges
312(T) /07	23 -33 -7702 (INT 702) -7706 (INT 706) -7707 (INT 707)	INDIAN OCEAN - Data buoys.
352(T) /07	354(INT 7408)	INDIA - EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
417(T) /07	354(INT 7408) – 308.	INDIA – EAST COAST – Outer Approaches to Visakhapatnam – Unexploded Charges.
419(T) /07	406 - 4010	ANDAMAN SEA – INDIA - Little Andaman Islands – Hut Bay – Light.
420(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Tsunami Buoy
443(T) /07	31 – 354(INT 7408)	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
444(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Data Buoy
445(T) /07	BA 817 (INT 7430)	BURMA - Sittwe South-westwards - Survey stations.
465(T) /07	31 – 354(INT 7408)	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
466(T) /07	31 – 354(INT 7408) - 308	INDIA – EAST COAST – Outer Approaches to Visakhapatnam – Unexploded Charges.
468(T) /07	31 – 371 – 321 – 322	BAY OF BENGAL – Coast of Burma –Mayu River to Kyaukpyu – Off Kyaukpyu harbour – Met observation.
485(T) /07	33	INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Tsunami Buoy
486(T) /07	357(INT 7397) - 3003	INDIA – EAST COAST – Pondicherry Anchorage – Data Buoy
513(T) /07	301- 351 - 3011(INT 7421) – 3013 - 3006(INT 7423)	INDIA - EAST COAST - Hugli River -Haldia to Kukrahatti Reach – Depths.
514(P) /07	225 – 2063 - 2064	SRI LANKA -West Coast - Colombo Harbour and Approaches - Depths. Submarine pipeline. Buoy.

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.
071(P) /07	433-4025	THAILAND - West Coast - Ao Krabi - Approaches to Krabi and Approaches to Phuket - Leading lines. Buoyage. Light-beacons.
144(P) /07	B.A. 3833	SINGAPORE STRAIT - Western Part - The Brothers to Batuampar Northwards - Submarine cables.
145(P) /07	B.A. 3947	MALACCA STRAIT - T. Medang to Singapore Strait - Submarine cables.

146(P)/07	41 – 432 BA 3941	THAILAND - West Coast - Ko Surin South-westwards to Ko Phuket Westwards - Firing practice areas. Military practice area.
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.

Cancelled Notices

Area	Notice No.	Ref. No.
3	082(T)/01	515(T)/07
3	122(T)/02	515(T)/07
3	209(T)/02	515(T)/07
2	337(T)/02	515(T)/07
2	161(T)/03	515(T)/07
2	211(T)/03	515(T)/07
2	220(P)/03	515(T)/07
3	269 (P)/03	515(T)/07
4	345(T)/03	515(T)/07
2	108(T)/04	515(T)/07
3	141(T)/04	474/07
2	234(T)/04	515(T)/07
2	304(T)/04	491/07
3	387(T)/04	515(T)/07
1	448(T)/04	457/07
3	066(T)/05	383/07
3	104(T)/05	515(T)/07
3	159(T)/05	515(T)/07
2	277(T)/05	515(T)/07
2	427(T)/05	515(T)/07
1	465(P)/05	470(P)/07
1	516(P)/05	515(T)/07
2	541(P)/05	515(T)/07
1	565(T)/05	412/07
4	619(P)/05	439/07
2	057(P)/06	429/07
1	327(P)/06	515(T)/07
3	431(P)/06	445(T)/07
1	578(T)/06	489(P)/07
1	070(P)/07	421(P)/07
3	091(T)/07	468(T)/07
1	107(P)/07	469(P)/07
3	143(P)/07	493/07
3	247(T)/07	407/07
3	373(T)/07	418(T)/07
--	378(T)/07	515(T)/07
3	418(T)/07	467(T)/07
3	467(T)/07	513(T)/07

SECTION – IV: MARINE INFORMATION

The diligent reporting of dangers to Navigation by the following ships is worthy of appreciation.

Indian Naval/Coastguard ships/Merchant Vessels. INS Investigator, Nirupak, Jamuna, Kumbhir, SDB T-59, ICGS Priyadarshini, Vajra and MV Hutbay

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<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***105 (T) (04/05) INDIA – Andaman Sea – Nicobar Islands – Approaches to East Bay – Jetty..**

Source: Hydrographic Note, INS Sandhayak

(HJ/928/76)

It is reported that East Bay Jetty at approx position 07° 58'.68N., 93° 23'.73E. is destroyed due to Tsunami disaster.

Charts affected: 4011***106 (T) (04/05) INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.**

Source: Port Management Board, Andaman and Nicobar & Hydrographic Note, INS Sandhayak

(HJ/928/86)

1. Following buoys/beacons were reported totally damaged and sunk post Tsunami disaster:

Nancowry Island

- | | |
|-------------------------------|----------------------------|
| (a) North east lighted beacon | 08° 01'.60N., 93° 33'.80E. |
| (b) Reid Point beacon | 08° 01'.48N., 93° 33'.35E. |
| (c) Mayo Point beacon | 08° 01'.60N., 93° 32'.53E. |

Mayabundar Island

- | | |
|-----------------------|----------------------------|
| (e) Takla west beacon | 12° 55'.53N., 92° 53'.46E. |
|-----------------------|----------------------------|

Port Blair

- | | |
|------------------------|----------------------------|
| (f) Bamboo flat beacon | 11° 41'.33N., 92° 43'.20E. |
| (g) Range flat beacon | 11° 41'.21N., 92° 43'.06E. |

2. Mariners to exercise caution while navigating through this area.

Charts affected: 4005 – 4006 – 4008 – 4012 – 4016***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***160 (T) (06/05) INDIA – Andaman Sea – Nicobar Island – Campbell Bay – Rock.**

Source: Hydrographic Note, INS Tillanchang, INS Sandhayak

(HJ/928/76)

1. It is reported that following rocks have been found at position

(a) New Rock	07° 01'.370N., 093° 55'.310E.
(b) Sunken boat	06° 59'.870N., 093° 55'.560E.
2. The Leading transit mark 323° on the beach was broken and damaged. The Chosen point light are non-operational. The seaward end of the breakwater is sunk.

Charts affected: 409 – 471 – 472 (INT 7032) – 4035.

SECTION – V: NAVIGATIONAL WARNINGS IN FORCE

- For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
- NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 26 Sep 07, 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	249	2005 series: 402. 2007 series: 019 035 050 128 182 194 195 196 198 199 200 202 203 206 210 217 218 225 226 227 228 229 231 232 239 245 247 249.
II	E. Atlantic	338	2007 series: 103 258 269 295 298 310 313 319 328 331 334 335 336.
III	Mediterranean	395	2007 series: 336 337 339 354 356 362 363 364 370 374 376 377 378 379 380 384 386 390 391 392 393.
IV	N.W. Atlantic	277	2007 series: 196 270
V	W. Atlantic	812	2007 series: Nil.
VI	S.W. Atlantic	275	2007 series: Nil
VII	S.E. Atlantic	141	2007 series: 122 123 131 134.
VIII	Indian Ocean	530	2007 series - 035 184 201 241 242 249 257 270 279 294 357 365 366 367 371 372 373 380 383 388 389 390 394 396 400 406 413 417 418 430 434 440 444 445 449 455 463 470 489 494 496 497 499 500 503 504 505 506 507 509 510 511 512 513 515 516 517 518 519 522 523 524 525 526 527 528 529 530

504. India West Coast – Arabian Sea. Charts 21 22 211 255 292 INT 705. Drilling operation in progress by Rig Badrinath in position 18-39.03N., 070-54.51E. 2. Wide berth requested.
505. Cancel Navarea Eight Message 501 of 2007. India West Coast – Gulf of Khambhat. Charts 21 208 254 292 2101 INT 705. Rig Offshore courageous moved to new position 21-03.93N., 072-31.62E. 2. Wide berth requested.
506. India West Coast – Mormugao. Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC and 1230 UTC from 23 Sep to 30 Sep 2007. Danger area bounded by: (a) 15-13.0N., 073-57.0E (b) 15-13.0N., 073-52.0E (c) 15-11.0N., 073-57.0E (d) 15-11.0N., 073-52.0E 2. Safe flying height 3500 metres. 3. Cancel this message on 01 Oct 2007.
507. India West Coast- Sikka Creek. Charts 21 203 2033 2083 INT 705. Fairway buoy Fl.W.10s shifted in new position 22-32.03N., 069-45.53E. 2. Mariners to exercise caution.
508. Cancelled.
509. India West Coast- Malacca Bank. Charts 21 207 254 292 INT 705. Buoy No. 02 in position 20-36.63N., 071-58.42E Unlit.
510. India West Coast- Malacca Bank. Charts 21 207 254 292 INT 705. Buoy No. 06 in position 20-53.00N., 072-06.01E Missing.
511. India West Coast- Malacca Bank. Charts 21 207 254 292 INT 705. Buoy No. 07 drifted in position 20-57.63N., 072-07.75E.
512. India West Coast- Malacca Bank. Charts 21 207 254 292 INT 705. Buoy No. 08 drifted in position 20-59.90N., 072-06.95E Unlit.
513. Refer Navarea Eight 489 of 2007. India East Coast- Bay of Bengal. Charts 31 32 355 INT 706. Rig Atwood Beacon moved to new position 16-41.00N., 082-26.20E. 2. Wide berth requested.
514. Cancelled.

<p>515. India West Coast – Arabian Sea. Charts 21 22 253 254 255 292 INT 705. Seismic Survey will be carried out by Sagar Sandhani from 20 Sep to 31 Dec 2007 in area bounded by:</p> <p>(a) 19-42.0N., 070-44.0E (b) 19-59.0N., 071-35.0E (c) 19-43.0N., 071-42.0E (d) 19-17.5N., 071-21.5E (e) 19-17.0N., 070-43.0E</p> <p>2. Vessel towing two seismic cables of length 5000 meters each with green and yellow buoys with flashing light to mark the tail end of the cables.</p> <p>3. All vessels operating in vicinity are to maintain a clearance of 06 NM all around the vessel and exercise caution.</p> <p>4. Cancel this message on 01 Jan 2008.</p>
<p>516. Andaman Sea – India Andaman Islands. Charts 33 41 404 405 473 4006 4016 INT 706. Firing practice by Naval Coast Battery at Ross Island between 0630 UTC and 1030 UTC on 26 Sep 2007. Danger area 15 NM seaward around 11-40.6N., 092-46.0E.</p> <p>2. Safe flying height 7500 metres.</p> <p>3. Cancel this message on 27 Sep 2007.</p>
<p>517. India West Coast – Mormugao. Chart 22 214 215 257 2020 2022 2078 INT 706. Firing exercise by Naval Coast Battery from position 15-24.6N., 073-47.1E between 0430 UTC and 0730 UTC on 28 Sep 2007. Danger area in sector of 20 NM radius between 200 degree and 260 degree from the position.</p> <p>2. Safe flying height 6500 metres.</p> <p>3. Cancel this message on 29 Sep 2007.</p>
<p>518. India East Coast- Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval Coast Battery 13-07.17N., 080-18.70e between 0530 UTC and 0730 UTC on 27 Sep 2007.</p> <p>2. Danger zone: Sector of 11 NM radius between 045 degree and 075 degree from Coast Battery.</p> <p>3. Safe flying height 12800 metres.</p> <p>4. Cancel this message on 28 Sep 2007.</p>
<p>519. India West Coast – Mormugao. Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval aircraft between 0230 UTC and 1230 UTC from 01 Oct to 07 Oct and 14 Oct to 21 Oct 2007. Danger area bounded by:</p> <p>(a) 15-13.0N., 073-57.0E (b) 15-13.0N., 073-52.0E (c) 15-11.0N., 073-57.0E (d) 15-11.0N., 073-52.0E</p> <p>2. Safe flying height 3500 metres.</p> <p>3. Cancel this message on 22 Oct 2007.</p>
<p>520 to 521. Cancelled.</p>
<p>522. India West Coast - Trivandrum. Charts 22 32 222 260 INT 706. Rocket launching from Thumba Equatorial Rocket launching station 08-31.98N., 076-52.05E between 0530 UTC and 0630 UTC on 03 Oct, 04 Oct, 10 Oct and 11 Oct 2007.</p> <p>2. Danger zones: (a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree. (b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree.</p> <p>3. Cancel this message on 12 Oct 2007.</p>
<p>523. Self Cancelling. Cancel Navarea Eight Messages 387 and 487 of 2007 issued by INM edition 18 of 2007.</p>
<p>524. India East Coast – Bay of Bengal. Charts 31 32 355 INT 706. Electromagnetic seabed survey in progress by S/V Sasha in area bounded by:</p> <p>(a) 16-49.7N., 081-59.2E (b) 15-25.8N., 081-58.4E (c) 15-25.0N., 083-19.0E (d) 16-49.5N., 083-19.9E</p> <p>2. Vessel towing one 3000 meters long submerged cable just above the seabed.</p> <p>3. All vessels operating in vicinity are to maintain a clearance of 03 NM off the vessel and exercise caution.</p> <p>4. Cancel this message on 29 Sep 2007.</p>
<p>525. Refer Navarea Eight Message 489 of 2007. Cancel Navarea Eight 520 of 2007. India East Coast- Bay of Bengal. Charts 31 32 355 INT 706. Rig C Kirk Rhein moved to new position 16-30.6N., 082-32.2E.</p> <p>2. Wide berth requested.</p>
<p>526. Refer Navarea Eight 489 of 2007. India East Coast – Bay of Bengal. Charts 31 352 INT 706. Rig Discoverer Seven Seas moved to new position 19-47.5N., 087-23.3E.</p> <p>2. Wide berth requested.</p>
<p>527. India West Coast- Arabian Sea. Charts 22 256 293 INT 705 INT 706. Firing exercise by Naval Ships from 0230 UTC to 0630 UTC on 26 Sep 2007. Danger area bounded by:</p> <p>(a) 16-22.0N., 071-17.0E (b) 16-39.0N., 071-12.0E (c) 16-49.0N., 071-50.0E (d) 16-32.0N., 071-54.0E</p> <p>2. Safe flying height 6000 metres.</p> <p>3. Cancel this message on 27 Sep 2007.</p>

528. Refer Navarea Eight 489 of 2007. India East Coast – Off Sacramento Shoal. Charts 31 32 355 INT 706. Drilling Ship Sagar Vijay moved to new position 16-15.7N., 082-11.1E. 2. Wide berth requested.
529. India East Coast – Bay of Bengal. Charts 31 32 355 INT 71 INT 706. Firing practice by Naval Ships from 2130 UTC on 03 Oct to 0230 UTC on 05 Oct 2007. Danger area bounded by: (a) 15-24.5N., 084-12.5E (b) 16-00.0N., 083-52.0E (c) 15-17.0N., 082-52.0E (d) 14-41.0N., 083-12.0E 2. Safe flying height 22000 meters 3. Cancel this message on 06 Oct 2007.
530. Self Cancelling. Cancel Navarea Eight Message 185 of 2007.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	199	2006 series: 106 116 147 177 200 216. 2007 series: 006 018 022 027 042 062 092 095 106 108 132 136 145 152 155 156 158 159 160 168 172 174 176 180 181 185 186 188 189 190 195 199.
X	Australia, New Guinea	235	2007 series: 178 181 191 203 208 215 217 219 221 224 228 230 232 234 235.
XI	Malacca Strait, China Sea, N. Pacific	426	1996 series: 0925 1998 series: 0655 1999 series: 0053 0187 0310 2000 series: 0677 2001 series: 0182 0775 2003 series: 0106 0303 0304 2004 series: 0246 0271 0361 0571 2005 series: 0271 0307 2006 series: 0005 0050 0052 0083 0090 0123 0224 0250 0251 0276 0303 0343 0561 0580. 2007 series: 0002 0003 0004 0008 0009 0093 0098 0133 0155 0187 0189 0246 0248 0253 0269 0305 0309 0338 344 0355 0356 0366 0373 0376 0377 0378 0379 0380 0381 0382 0384 0389 0410 0411 0413 0414 0420 0421 0422 0423 0424 0426
XII	N.E. Pacific	233	2007 series: Nil
XIII	N.W. Pacific	065	2007 series: Nil
XIV	S.W. Pacific	033	2007 series: 010 026.
XV	S.E. Pacific	147	2007 series: Nil
XVI	E. Pacific	191	2007 series: Nil
Hydropacs	Pacific, Indian Ocean	1627	2006 series: 524 1812. 2007 series: 1536 1558 1601 1602.
Hydrolants	Atlantic, Mediterranean	1622	2006 series: 1394. 2007 series: Nil

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII: CORRECTIONS TO INDIAN LIST OF LIGHTS

<u>No</u>	<u>Name & Location</u>	<u>Position (Lat-Long)</u>	<u>Charact- eristics</u>	<u>Ht. mts.</u>	<u>Range miles</u>	<u>Structure & Height (mts)</u>	<u>Remarks</u>
E 6021-5	Lahāta	29 40-38 N 32 41-23 E	Fl(3)W 15s	47	18	White daymark on framework tower 39	
-	-	..	Racon	ALRS Vol 2 Station 75460. TR 2007 *
F 0426	-Nawabandar	20 44.40 N 71 04.80 E	Fl(4)W 12s	27	16	White round tower 15	<i>fl 0-75, ec 1, fl 0-75, ec1,</i> <i>fl 0-75, ec1, fl 0.75, ec6</i> *
F 0448	-Piram Island	21 35-95 N 72 21-15 E	Fl(2)W 10s	46	27	White round masonry tower, black bands 27	<i>fl 0-3, ec 2-2, fl 0-3</i> <i>ec 7-2</i>
--	--	.. *	Racon *	.. *	.. *	.. *	ALRS Vol 2 Station 78970. TR 2007 *
F 0906	-New Rameshwaram	09 19-10 N 79 19-78 E	Fl(2)W 20s	16.5	13	CC Block Masonry Rectangular tower Red and spiral bands 15	<i>fl 0-75, ec 2-0, fl 0-75,</i> <i>ec 16.5</i>
	*	*					
F 1182	Mae Nam Krabi Entrance. Ko Nok	8 01-83 N 98 54-43 E	Fl W 3s	19	7	White metal framework tower 20	<i>fl 0-3.</i> TE 2007 *
		*					
F 1212-5	North Brother Island	10 59-20 N 92 40-10 E	Fl(2)W 20s	11	10	White metal framework tower	TE 2007 *
F 1279	-Pulau Salaut Besar	2 57-58 N 95 24-00 E	Fl(3)W 20s	44	18	White beacon	<i>(fl 0-5, ec 1-5) x 2,</i> <i>fl 0-5, ec 15-5</i> *
	*			*	*	*	
F 1302	Pulau Breueh. Menara Suar Guapeu	5 45-00 N 95 03-00 E	Fl(2)W 10s	160	20	Red round stone tower, broad white band 44	<i>fl 0-5, ec 2, fl 0-5, ec 7.</i> Vis 083°-288°(205°). Damaged (T) 2007 Vis 084°-166°(82°)
--	--	..	F R	132	18	..	*
F 1614-5	Kuala Langat	2 48-08 N 101 24-18 E	Fl G 4s	9	5	White concrete column	TE; Light buoy in situ (T) 2007 *

F 1700-9	- Pulau Seraya. Ldg Lts 229·8°. Front. OT 7 *	1 17·38 N 103 43·62 E *	Fl W 4s	9	3	△ on white beacon *	
F 1700-91	- Pulau Seraya. Ldg Lts 229·8°. Rear. OT 6 *	1 17·31 N 103 43·54 E *	Fl W 6s	3	3	▽ on white beacon *	
K 0861-5	Gosong Gedang (I)	1 03·11 S 100 15·13 E *	Q(3)W 6s *	17	10	White framework tower 15 *	(fl 0·5, ec 0·5) x 2, fl 0·5, ec 3·5 *
K 0883-62	-Pulau Sibarubaru *	3 17·30 S 100 19·83 E *	Fl(2)W 10s *	43	15	White beacon *	fl 0·5, ec 1, fl 0·5, ec 8 *
K 0885-51	- Pulaubaa. Ldg Lts 145° 30'.Rear. 270m from front (I)	3 55·50 S 102 17·60 E *	Oc W 3s *	12	8	White ▽ on white beacon 12 *	ec 1. Ra refl *
K 1264-1	Tanjung Bukit Baron (I) *	8 09·08 S 110 36·75 E *	Fl W 5s *	70	12	White beacon *	fl 0·5 *

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 17 dated 01 Sep 2007)

NIL

INP 31(2), 1995

(Last correction: Edition No. 18 dated 16 Sep 2007)

NIL

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

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

NIL

INP 31(5), 1997

(Last correction: Edition No. 16 dated 16 Aug 2007)

NIL

INP 31, VOLUME 6, 2005

(Last correction: Edition No. 18 dated 16 Sep 2007)

NIL

BA, VOLUME 7, 1999/00-PART 2

(Last correction: Edition No. 16 dated 16 Aug 2000)

NIL

INP 31(8), 1999

(Last correction: Edition No. 05 dated 01 Mar 2006)

NIL

SECTION – IX: PLOTTING OF GPS POSITIONS IN INDIAN CHARTS

All mariners are advised to exercise extreme caution while using the Global Positioning System positions in WGS 84 datum on the Indian navigational charts produced in Everest datum. The variation in these parameters is considerable along the Indian coast and in Andaman & Nicobar and Lakshadweep Islands (300 to 800 metres variations). Mariners are also advised to apply datum shift parameters (if available) on the Indian navigational charts before using Global Positioning System positions on Indian charts. These shift parameters are specified on the charts where observed, at a suitable position under legend note. Mariners are advised to use alternate methods of fixing while operating in restricted waters and in vicinity of dangers.

The Chief Hydrographer to the Govt. of India shall not be responsible for any marine accidents arising as a result of usage of GPS positions in WGS 84 datum in Indian navigational charts in Everest datum without the application of Datum Transformation Parameters/corrections where available or listed in the charts.

SECTION – X: 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)

(To accompanying Form I.H. 102)

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						