



# INDIAN NOTICES TO MARINERS FOR 2007

(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

EDITION No. 12 DATED 16 JUN 2007

(CONTAINS NOTICES 314 TO 352)

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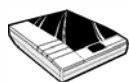
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**Mariner's Obligation and A Chart Maker's Plea.** Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the following address/fax number, 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 N to M editions 1, 7, 13 and 19.

**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. 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 ENC's are now available in IHO's S-63 Data Protection Scheme also, in addition to CM-93 SENC format.

Contact Details:-

**C-Map India:** C-Map India Private Limited  
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**INDIAN CHARTS, PUBLICATIONS AND ENC's NOW PUBLISHED AND AVAILABLE****(a) NEW INDIAN CHARTS**

Source: NHO, Dehradun

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>2085</b>	31-05-2007	<b>COETIVY ISLAND</b> <u>Limits:</u> 07° 21'.00S; 56° 05'.75E. 07° 01'.00S; 56° 19'.00E.	37 500	1	Rs. 1360.00

**(b) NEW EDITION INDIAN CHARTS**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>2079</b>	30-04-2007	<b>APPROACHES TO MUNDRA PORT</b> <u>Limits</u> 22° 34'.60N; 69° 29'.20E. 22° 47'.40N; 69° 50'.70E.	37 000	2	Rs. 1360.00
<b>3012 INT(7411)</b>	31-05-2007	<b>VISAKHAPATNAM HARBOUR</b> <u>Limits</u> 17° 39'.23N; 83° 15'.80E. 17 ° 43'.50N; 83° 22'.73E.	12 500	5	Rs. 1360.00

**(c) 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>
<b>2079</b>	30-04-2006	<b>APPROACHES TO MUNDRA PORT</b>	<b>2079</b>	30-04-2007
<b>3012 INT(7411)</b>	15-01-2001	<b>VISAKHAPATNAM HARBOUR</b>	<b>3012 INT(7411)</b>	31-05-2007

**(d) CHARTS AFFECTED BY THE FOREGOING**

NIL

**(e) FORTHCOMING CHARTS AND PUBLICATIONS**

<b>Chart No</b>	<b>Title</b>	<b>Scale</b>	<b>Remarks</b>
<b>2020</b>	Mormugao and Panaji	25 000	New Edition
<b>2042</b>	Approaches to Malavan	50 000	New Edition
<b>4006</b>	Port Blair	15 000	New Edition
<b>4012</b>	Port Blair – Inner Harbour	5 000	New Edition

(f) **NEW INDIAN ELECTRONIC NAVIGATIONAL CHARTS**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN2356CR	356	Chennai (Madras) to Ramaypatnam	30-09-2006

(g) **NEW EDITION ELECTRONIC NAVIGATIONAL CHARTS:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN52046R	2046	Redi Anchorage	31-01-2007
2	IN52046V	2046	Vengurla Anchorage	31-01-2007
3	IN52077P	2077	Pavas Anchorage	30-11-2006

(h) **ENCs PERMANENTLY WITHDRAWN:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN3356MR	356	Chennai (Madras) to Ramaypatnam	31-08-2004
2	IN52046R	2046	Redi Anchorage	31-03-2004
3	IN52046V	2046	Vengurla Anchorage	31-03-2004
4	IN52077P	2077	Pavas Anchorage	30-09-2003

**AVAILABILITY OF ENCs:**

The complete folios of Official Indian ENCs are being distributed worldwide through C-MAP. Updates will be available both through CDs and Real Time via Satellite to allow fully automatic updating of ENC/SENC. Mariners and other ENC users may contact the under mentioned for further deals:

<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 Web site: www.hydrobharat.nic.in</p>	OR	<p>Director C-Map India Private Limited 505, Raheja Arcade Sector 11 CBD, Belapur Navi Mumbai- 400 614 Tele: +91 22 65103668 Fax: +91 22 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</p>
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**SECTION – I**  
**List of charts affected by**  
**The Notices 314 to 352 contained in this Edition**

<b>INDIAN H.O. Chart No.</b>	<b>Folio No.</b>	<b>Notice No.</b>	<b>ADMIRALTY Chart No.</b>	<b>Folio No.</b>	<b>Notice No.</b>
20	1	330	827	42	335
21	2	347(T), 348(T)	1235(INT 7289)	40	332
22 (INT 752)	3	351 (T)	1265(INT 7291)	40	332
23	4	335	1353	45	337
32 (INT 754)	5	322, 324, 325, 335	1358	45	337
202	2	348(T)	2139	45	336
203 (INT 7319)	2	346(T)	2523(INT 7250)	40	330
204	2	347(T), 348(T)	2882(INT 7264)	40	331
205	2	347(T)	2884(INT 7278)	40	333
206	2	315	2886	40	330
207	2	315	2926	36	328
211	3	316, 317, 319, 320	2933	36	328
217	3	351(T)	3409	40	329
225	4	335	3773	40	333
252 (INT 7325)	2	347(T), 348(T)	3774	40	331
253 (INT 7328)	2	315	3833	45	344
255 (INT 7334)	3	316, 319, 320, 349(T)	3877(INT 7055)	36	328
258 (INT 7348)	3	351(T)	3933	45	338
262	4	325	3937	45	339
263 (INT 7383)	4	335	3945	45	337
264	4	335	3947	45	338
271	2	348(T)	4031	45	342
272	4	351(T)	4032	45	342
288	1	330,331	4034	45	341
289	1	330	4035	45	345
291	2	348(T)	4036	45	345
292 (INT 7021)	2	347(T), 348(T)	4040	45	343, 344, 345
315	4	322, 323	4043	45	340
316	4	322, 323	4044	45	340
317	4	322, 324, 325			
354 (INT 7408)	5	352(T)			
358 (INT 7394)	4	322,323,324			
409	6	327			
471	6	327			
472(INT7032)	6	327			
2002(INT 7351)	3	351(T)			
2016(INT 7336)	3	317, 318, 349 (T) , 350(T)			
2050(INT 7315)	2	334			
2052(INT 7350)	3	351(T)			
2060	2	346(T)			
2068	2	346(T)			
2078(INT 7346)	3	321			
2081	2	315			
4035	6	327			

**SECTION – II: PERMANENT NOTICES**  
**INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS**

**\*314(12/07) Miscellaneous updates to charts**

Source: NHO Dehradun

**Chart No. Previous Updates**

**Details**

2021	-----	Refer INM (11/07) dated 01 Jun 07. (a) Page no. 5. Indian charts permanently withdrawn section, chart 2021 Main title. Read Mundra Port instead of Manappad to Setukkarai.
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**\*315(12/07) 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 225/07 ]**

Amend elevation of light to 27m of Nawabander light 20° 44′.40N., 71° 04′.80E.

**Chart 207 [ previous update 225/07 ]**

Amend elevation of light to 27m of Nawabander light 20° 44′.40N., 71° 04′.80E.

**Chart 206 [ previous update 225/07 ]**

Amend elevation of light to 27m of Nawabander light 20° 44′.40N., 71° 04′.80E.

**Chart 2081 [ previous update 225/07 ]**

Amend elevation of light to 27m of Nawabander light 20° 44′.40N., 71° 04′.80E.

**Chart 2081 (Plan Diu and Nawabander Anchorage) [ previous update 225/07 ]**

Amend elevation of light to 27m of Nawabander light 20° 44′.40N., 71° 04′.80E.

**\*316(12/07) INDIA - WEST COAST –Satpati to Murud Janjira – Dolphins.**

Source: Hydrographic Note INS Investigator

(HJ/1030/97)

**Chart 255 (INT 7334) [ previous update 281/07 ]**

Insert  19° 03′.05N., 72° 47′.80E.  
 19° 02′.98N., 72° 47′.50E.

**Chart 211 [ previous update 281/07 ]**

Insert  19° 03′.05N., 72° 47′.80E.  
 19° 02′.98N., 72° 47′.50E.

**\*317(12/07) INDIA - WEST COAST –Inner Approach to Mumbai – Wrecks.**


Source: NHO Dehradun and Hydrographic note INS Investigator.

(HJ/1030/87)

**Chart 211 [ previous update 316/07 ]**

Insert  18° 52′.48N., 72° 47′.50E.  
 18° 52′.09N., 72° 47′.31E.  
 18° 51′.95N., 72° 47′.42E.

**Chart 2016 (INT 7336) [ previous update 281/07 ]**

Insert  18° 52′.48N., 72° 47′.50E.  
 18° 52′.09N., 72° 47′.31E.  
 18° 51′.95N., 72° 47′.42E.

**\*318(12/07) INDIA - WEST COAST –Inner Approaches to Mumbai – Beacon.**

Source: Hydrographic Note INS Investigator  
(HJ/1030/87)

**Chart 2016 (INT 7336)** [ *previous update 317/07* ]

Delete  Bn (3) (a) 18° 42'·52N., 72° 49'·02E.

**\*319(12/07) INDIA – WEST COAST – Satpati to Murud Jangira - Wreck.**

Source: NHO Dehradun  
(HJ/1030/87)

**Chart 255(INT 7334)** [ *previous update 316/07* ]

Insert  PA 18° 41'·67N., 72° 37'·38E.

**Chart 211** [ *previous update 317/07* ]


Insert  PA 18° 41'·67N., 72° 37'·38E.

**Cancel former INM 400(T)/00**


**\*320(12/07) INDIA – WEST COAST – Satpati to Murud Jangira - Wreck .**

Source: NHO Dehradun  
(HJ/1030/87)

**Chart 255(INT 7334)** [ *previous update 319/07* ]

Insert  obstn 18° 39'·20N., 72° 35'·90E.

**Chart 211** [ *previous update 319/07* ]

Insert  obstn 18° 39'·20N., 72° 35'·90E.

**Cancel former INM 424(T)/00**

**\*321/(12/07) INDIA - WEST COAST –Port of Murmugao - Depth. Spire.**

Source: NHO Dehradun  
(HJ/1030/56)

**Chart 2078 (INT 7346)** [ *previous update 109/07* ]

Insert depth 3<sub>5</sub> (a) 15° 27'·46N., 73° 47'·19E.



15° 27'·70N., 73° 47'·34E.

Delete depth 5 (a) above

**\*322(12/07) INDIA AND SRILANKA – Palk strait – Wreck.**

Source: NHO Dehradun  
(HJ/1030/00)

**Chart 32(INT 754)** [ *previous update 391/06* ]

Insert  PA 10° 06'·48N., 79° 43'·36E.

**Chart 358(INT 7394)** [ *previous update 227/07* ]

Insert  PA 10° 06'·48N., 79° 43'·36E.

**Chart 317** [ *previous update NE 31 JUL 06* ]

Insert  PA 10° 06'·48N., 79° 43'·36E.

**Chart 316** [ *previous update NC 15 JUN 06* ]

Insert  PA 10° 06'·48N., 79° 43'·36E.

**Chart 315** [ *previous update 414/06* ]

Insert  PA 10° 06'·48N., 79° 43'·36E.

**Cancel former INM 318(T)/01**



**\*323(12/07) INDIA AND SRILANKA – Palk Strait – Buoy.**

Source: Naval Detachment Nagapattinam, Sealord Diving and Salvage Private Limited, Dredging Corporation of India Limited and Navarea VIII 072/07  
(HJ/1030/00)

**Chart 358 (INT 7394)** [previous update 322/07]

Delete  FI (2)5s 10° 06′.885N., 079° 57′.780E.

**Chart 315** [previous update 322/07]

Delete  FI (2)5s 10° 06′.885N., 079° 57′.780E.

**Chart 316** [previous update 322/07]

Delete  FI (2)5s 10° 06′.885N., 079°57′.780E.

**Cancel former INM 299 (P)/06****\*324(12/07) INDIA AND SRILANKA – Palk bay – Western position - Wreck.**

Source: NHO Dehradun  
(HJ/930/90)

**Chart 32(INT 754)** [ previous update 322/07]

Insert  PA 09° 17′.10N., 79° 21′.64E.

**Chart 358(INT 7394)** [ previous update 323/07]

Insert  PA 09° 17′.10N., 79° 21′.64E.

**Chart 317** [ previous update 322/07]

Insert  PA 09° 17′.10N., 79° 21′.64E.

**Cancel former INM 321(T)/05****\*325(12/07) INDIA AND SRILANKA – Palk bay – Western position - Wreck.**

Source: NHO Dehradun  
(HJ/930/91)

**Chart 32(INT 754)** [ previous update 324/07]

Insert  PA 09° 08′.90N., 78° 55′.00E.

**Chart 262** [ previous update 156/06]

Insert  PA 09° 08′.90N., 78° 55′.00E.

**Chart 317** [ previous update 324/07]

Insert  PA 09° 08′.90N., 78° 55′.00E.

**Cancel former INM 175(T)/04****\*326(12/07) INDIA - EAST COAST – Visakhapatnam harbour - Wreck.**

Source: INS Sandhayak  
(HJ/1029/76)

**Cancel former INM 620 (T)/05****Chart 308**

Wreck of wooden boat has been Salvaged 17° 41′.75N., 83° 16′.82E.

**Chart 3002 (INT 7410)**

Wreck of wooden boat has been Salvaged 17° 41′.75N., 83° 16′.82E.

**Chart 3012 (INT 7411)**

Wreck of wooden boat has been Salvaged 17° 41′.75N., 83° 16′.82E.

**\*327(12/07) INDIA – ANDAMAN SEA – NICOBAR ISLAND – Campbell bay - Wreck**

Source: NHO Dehradun

(HJ/928/66)

**Chart 471** [ *previous update 252/07* ]Insert  PA 06° 59'·80N., 93° 57'·20E.**Chart 472 (INT 7032)** [ *previous update 252/07* ]Insert  PA 06° 59'·80N., 93° 57'·20E.**Chart 409** [ *previous update 252/07* ]Insert  PA 06° 59'·80N., 93° 57'·20E.**Chart 4035** [ *previous update 467/06* ]Insert  PA 06° 59'·80N., 93° 57'·20E.**Cancel former INM 63(T)/04****328(12/07) MOZAMBIQUE - Approaches to Porto de Mozambique -Ilha de Goa - Light.**

Indian Light List vol. D &amp; E 2003, D6598.1

Source: BA Notice 2390/07

(HJ/733/49)

**BA Chart 2926** [ *previous update 305/06* ]

Amend light to, Fl(2)12s32m16M 15° 03'·2S., 40° 47'·3E

**BA Chart 2933** [ *previous update 150/07* ]

Amend light to, Fl(2)12s32m16M 15° 03'·2S., 40° 47'·2E.

**BA Chart 3877 (INT 7055)** [ *previous update 240/06* ]

Amend light to, Fl(2)12s16M 15° 03'·0S., 40° 47'·2E.

**329(12/07) OMAN - Musandam Peninsula - Jazirat Umm al Ghanam - Light-beacon.**

Source: BA Notice 2286/07

Indian list of light vol. D &amp; E 2003: D 7340.2

(HJ/1132/63)

**BA Chart 3409 (plan F, Khawr al Quway' Anchorage)** [ *previous update 291/07* ]

Amend light-beacon to, Q(6)+LFl.15s3m5M 26° 22'·037N., 56° 21'·755E.

**330(12/07) QATAR – Ra's Laffan North-eastwards - Platform. Light.**

Indian Light List D &amp; E 2003, D 9178.5

Source: BA Notice 2347/07

(HJ/1132/67)

**Chart 20** [ *previous update 288/07* ] (WGS84 DATUM)Insert  26° 09'·2N., 52° 04'·4E.**Chart 288** [ *previous update 289/07* ] (WGS 84 DATUM)Insert  26° 09'·2N., 52° 04'·4E.**Chart 289** [ *previous update 291/07* ] (WGS84 DATUM)Insert  26° 09'·2N., 52° 04'·4E.**BA Chart 2523 (INT 7250)** [ *previous update 288/07* ]Insert  PEARL-1 26° 09'·15N., 52° 04'·40E.**BA Chart 2886** [ *previous update 291/07* ]Insert  PEARL-1 26° 09'·2N., 52° 04'·4E.

**331(12/07) SAUDI ARABIA - East Coast - Lawhah Oilfield Westwards - Zuluf Shoal - Buoy.**

Source: BA Notice 2346/07

(HJ/1133/80)

**Chart 288** [ *previous update 330/07* ]Delete  *Fl(2)* 28° 17'·3N., 49° 32'·1E.**BA Chart 2882 (INT 7264)**[ *previous update 256/07* ]Delete  *Fl(2)15s* 28° 17'·3N., 49° 32'·1E.**BA Chart 3774**[ *previous update 559/06* ]Delete  *Fl(2)15s* 28° 17'·30N., 49° 32'·12E.**332(12/07) ARABIA - Approaches to Shaṭṭal'Arab - Khawr al Kafka -Buoyage.**

Source: BA Notice 2387 /07

(HJ/1133/91)

**BA Chart 1235 (INT 7289)**[ *previous update 289/07* ]Insert  *Fl(2)R.5s No 14* 29° 38'·26N., 48° 50'·16E *Fl(2)R.5s No 10* 29° 33'·32N., 48° 53'·61E.**BA Chart 1265 (INT 7291)**[ *previous update 289/07* ]Insert  *Fl(2)R.5s No 14* 29° 38'·26N., 48° 50'·16E. *Fl(2)R.5s No 10* 29° 33'·32N., 48° 53'·61E. *Fl(2)G.5s No 9* 29° 31'·37N., 48° 54'·81E**333(12/07) KUWAIT -Jazirat Faylakah Northwards - Wreck.**

Source: BA Notice 2294/07

(HJ/1133/91)

**BA Chart 2884 (INT 7278)** [ *previous update 290/07* ]Insert  *Mast* 29° 30'·4N., 48° 20'·0E.**BA Chart 3773** [ *previous update 289/07* ]Insert  *Mast* 29° 30'·4N., 48° 20'·0E.**334(12/07) PAKISTAN - Karachi Harbour - Mooring buoys. Berths.**

Source: BA Notice 2348/07

(HJ/1131/43)

**Chart 2050(INT 7315)**[ *previous update 202/07* ] INDIAN DATUMDelete  (a) 24° 49'·130N., 66° 58'·120E.

(b) 24° 49'·170N., 66° 58'·110E.

(c) 24° 49'·220N., 66° 58'·100E.

(d) 24° 49'·280N., 66° 58'·090E.



close E of:

(a)above

(b)above

(c)above

(d)above

berth number 7, close NNE of:

(a)above

berth number 8, close NE of:

(b)above

berth number 9, close N of:


(c)above

**335(12/07) SRI LANKA - West Coast - Colombo South-westwards - Submarine cable.**


Source: BA Notice 2344/07

(HJ/930/60)

**Chart 23** [ *previous update 156/06* ] (WGS84 DATUM)

Insert submarine cable,  ,joining: 6° 51'·0N., 79° 51'·4E.(shore)  
6° 46'·6N., 79° 38'·2E.


**Chart 32 (INT 754)** [ *previous update 325/07* ] (WGS84 DATUM)

Insert submarine cable,  ,joining: 6° 51'·0N., 79° 51'·4E.(shore)  
6° 46'·6N., 79° 38'·2E.


**Chart 225** [ *previous update 314/06* ] (CEYLON 1933 DATUM)

Insert submarine cable,  ,joining: 6° 50'·62N., 79° 51'·61E.(shore)  
6° 50'·84N., 79° 51'·01E.  
6° 49'·88N., 79° 47'·95E.  
6° 49'·68N., 79° 46'·71E.  
6° 47'·83N., 79° 42'·50E.  
6° 46'·75N., 79° 38'·56E.


**Chart 263 (INT 7383)** [ *previous update 156/06* ] (CEYLON 1933 DATUM)

Insert submarine cable,  ,joining: 6° 51'·0N., 79° 51'·6E.(shore)  
6° 49'·7N., 79° 46'·8E.  
6° 47'·8N., 79° 42'·5E.  
6° 46'·8N., 79° 38'·6E.

**Chart 264** [ *previous update NE 15 APR 06* ] (CEYLON 1933 DATUM)

Insert submarine cable,  ,joining: 6° 51'·0N., 79° 51'·6E.(shore)  
6° 49'·7N., 79° 46'·8E.  
6° 47'·8N., 79° 42'·5E.  
6° 46'·8N., 79° 38'·6E.

**BA Chart 827** [ *previous update 452/05* ]

Insert submarine cable,  ,joining: 6° 51'·0N., 79° 51'·4E.(shore)  
6° 46'·6N., 79° 38'·2E.

**336(12/07) MALAYSIA - Peninsular Malaysia, West Coast - Malacca Strait - Pasir Utara - Depths.**

Source: BA Notice 2362/07

(HJ/927/38)

**BA Chart 2139** [ *previous update 262/07* ]

Insert	depth 12 <sub>2</sub>	(a)	3° 04'·78N., 101° 05'·52E.
	15m contour, joining:	(b)	3° 04'·93N., 101° 05'·57E
		(c)	3° 04'·80N., 101° 05'·41E.
Delete	depth 17 <sub>8</sub> , adjacent to:	(a)	above
	former 15m contour, joining:	(b)	above
		(c)	above

**337(12/07) INDONESIA - Sumatera - North East Coast - T. Tambuntulang South-eastwards - Tanjung Napal - Light.**

Indian List of light Vol F & K 2003: F 1379.5

Source: BA Notice 2295/07

(HJ/928/30)

**BA Chart 1353** [ previous update 293/07 ]

Amend light to, Q(2)4s12M 3° 01'·7N., 99° 51'·7E.

**BA Chart 1358** [ previous update 083/07 ]

Amend light to, Q(2)4s12M 3° 01'·7N., 99° 51'·7E.

**BA Chart 3945** [ previous update 262/07 ]

Amend light to, Q(2)4s13m12M 3° 01'·70N., 99° 51'·70E.

**338(12/07) INDONESIA - Sumatera - East Coast - Selat Rupert - Leading lights.**

Source: BA Notice 2223/07

Indian List of light Vol F & K 2003: F 1402,1402.1

(HJ/927/18)

**BA Chart 3933** [ previous update 246/07 ]

Insert  Q.16m12M (a) 1° 40'·83N., 101° 48'·65E

sector at light as follows:

W 311·8°-320·2°

(a) above

Amend F light to, Iso.2s16m12M 1° 41'·51N., 101° 48'·00E.

Delete  Q.18m11M E and associated sector 1° 41'·40N., 101° 48'·10E.

**BA Chart 3947** [ previous update 123/07 ]



Amend range of light to, 12M 1° 41'·51N., 101° 48'·00E.

**339(12/07) INDONESIA - Sumatera - Pulau Batam Northwards - Selat Bulan - Buoyage.**

Source: BA Notice 2416/07

(HJ/927/16)

**BA Chart 3937 (plan A, Sambu and Sekupang)** [ previous update 209/07 ]

Substitute  Iso.4sfor  1° 09'·580N., 103° 55'·024E.

**340(12/07) SINGAPORE - Pulau Ubin - Serangoon Harbour - Squance Bank North-eastwards - Wreck. Obstruction.**

Source: BA Notice 2259/07

(HJ/927/16)

**BA Chart 4043** [ previous update 294/07 ]

Insert  Wk 1° 24'·02N., 103° 58'·13E.

**BA Chart 4044** [ previous update 294/07 ]

Substitute  Wk for  Obstm 1° 24'·02N., 103° 58'·13E.

**BA Chart 4044 (plan A, Serangoon Harbour)** [ previous update 294/07 ]

Substitute  Wk for  Obstm 1° 24'·016N., 103° 58'·128E.

**341(12/07) SINGAPORE - Jurong Island - Jurong Port - Damar Laut Basin - Dredged depth.**

Source: BA Notice 2261/07

(HJ/927/16)

**BA Chart 4034** [ previous update 295/07 ]

Amend dredged depth to, 13.0m (2007), centred on: 1° 18'·048N., 103° 43'·570E.

**342(12/07) SINGAPORE - Jurong Island - Banyan Basin Southwards – Buoy.**


Source: BA Notice 2260/07

(HJ/927/16)

**BA Chart 4031** [ previous update 272/07 ]

Insert  Fl.Y.2s BB7 1° 14'·722N., 103° 41'·798E.

**BA Chart 4032** [ previous update 129/07 ]


Insert  Fl.Y.2s BB7 1° 14'·722N., 103° 41'·798E.

**343(12/07) SINGAPORE -Singapore Island -Sentosa -T.China South-westwards - Wreck.**

Source: BA Notice 2263/07

(HJ/927/16)

**BA Chart 4040** [ previous update 295/07 ]

Substitute  28<sub>4</sub> Wk for  26<sub>3</sub> Wk 1° 14'·12N., 103° 49'·64E.

**344(12/07) SINGAPORE - Singapore Island - Sentosa - Sisters Fairway -Depth.**

Source: BA Notice 2264/07

(HJ/927/16)

**BA Chart 3833** [ previous update 272/07 ]

Insert depth 19 and extend 20m contour E to enclose 1° 12'·79N., 103° 50'·52E.

**BA Chart 4040** [ previous update 343/07 ]

Insert Insert depth 19 enclosed by 20m contour 1° 12'·79N., 103° 50'·52E.

**345(12/07) SINGAPORE - Jong Fairway - Pulau Sebarok - Depths.**

Source: BA Notice 2262/07

(HJ/927/16)

**BA Chart 4035** [ previous update 270/07 ]

Substitute depth 10 for depth 8<sub>9</sub> 1° 12'·172N., 103° 47'·520E.

depth 10 for depth 9<sub>2</sub> 1° 12'·102N., 103° 47'·553E.

depth 10 for depth 7<sub>6</sub> 1° 12'·094N., 103° 47'·622E.

**BA Chart 4036** [ previous update 206/07 ]

Substitute depth 10 for depth 8<sub>9</sub> 1° 12'·172N., 103° 47'·520E.

depth 10 for depth 9<sub>2</sub> 1° 12'·102N., 103° 47'·553E.

depth 10 for depth 7<sub>6</sub> 1° 12'·094N., 103° 47'·622E.

**BA Chart 4040** [ previous update 344/07 ]

Substitute depth 10 for depth 8<sub>9</sub> 1° 12'·17N., 103° 47'·52E.

depth 10 for depth 7<sub>6</sub> 1° 12'·09N., 103° 47'·62E.

**SECTION – III: TEMPORARY AND PRELIMINARY NOTICES****\*346(T)(12/07) INDIA - WEST COAST – GULF OF KACHCHH- Lightrage Operation**

Source: Navarea VIII (323/07)  
(HJ/1131/20)

1. STS Crude lightrage operation at LPO Mumbai/Mumbai high oil fields ceased on 19 May 07. The operation will be carried out at LPO Vadinar during the SW Monsoon season – Lightrage area bounded by:
  - (a) 22° 34'·50N., 69° 38'·00E
  - (b) 22° 33'·10N., 69° 38'·00E
  - (c) 22° 30'·00N., 69° 37'·00E
  - (d) 22° 30'·00N., 69° 36'·00E
  - (e) 22° 33'·20N., 69° 36'·00E
2. All tankers at LPO Vadinar would maintain VHF watch on channel 12.
3. **Cancel former INM 406(T)/06.**

**Charts affected – 203(INT 7319) – 2060 – 2068.**

**\*347(T)(12/07) INDIA - WEST COAST –Navibandar to Veraval. Wreck.**

Source: Navarea VIII 319/07  
(HJ/1131/10)

1. MV Mariam Trans Sunk in approximate position 21° 28'·50N., 69° 24'·80E.
2. Mariners to Exercise caution.

**Charts affected –21 - 292(INT 7021) - 252(INT 7325) – 204 - 205.**

**\*348(T)(12/07) INDIA - WEST COAST –Dwaraka to Navibandar – Wreck.**

Source: Navarea VIII 336/07  
(HJ/1131/21)

1. A Tug named 'AKASH' sunk in approximate position 22° 08'·40N., 68° 54'·82E.
2. Mariners to Exercise caution.

**Charts affected –21- 291- 292 (INT 7021) -271- 252 (INT 7325) -202-204.**

**\*349(T)(12/07) INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.**

Source: Hydrographic Note INS Investigator & Navarea 337/07  
(HJ/1030/87)

1. Wreck buoy at position 18° 52'·70N., 72° 41'·88E missing from its position.
2. Mariners to Exercise caution.

**Charts affected – 255(INT 7334) – 2016(INT 7336).**

**\*350(T)(12/07) INDIA - WEST COAST –Inner Approaches to Mumbai – Buoy.**

Source: Hydrographic Note INS Investigator & Navarea 338/07  
(HJ/1030/87)

1. Spoil ground buoy at position 18° 46'·495N., 72° 48'·250E reported missing from it's position.
2. Mariners to Exercise caution.

**Charts affected – 2016(INT 7336).**

**\*351(T) (12/07) INDIA WEST COAST– ARABIAN SEA –Off Mormugao Port – Data Buoys.**

Source: NIOT&amp; Navarea 320/07 and 321/07

*(HJ/1030/25)*

1. Following yellow coloured data buoys with radar reflector & mast carrying sensor laid in following positions with characteristics. Old buoy nearer to these position were retrieved :

SI No	Buoy No.	Position	Size	Characteristics	Chart affected
a)	SW4	12° 56′.15N 74° 46′.56E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	22(INT 752)-258(INT 7348)- 217-272-2052(INT 7350)- 2002(INT 7351)
b)	OB3	12° 28′.55N 72° 04′.26E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	22(INT 752)-272

2. Mariners strongly advised not to anchor or trawl in the operation circle 1000m of moored data buoy.

3. Delete SI No. (F) and (J) of INM 50(T)/07.

**\*352(T)(12/07) INDIA - EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: 21 MCMS. INS Karwar

*(HJ/1029/66)*

1. Unexploded charges reported dumped in the one mile radius of position 16° 56′.92N: 083° 28′.82E
2. Mariners to exercise caution.

**Charts affected -354(INT 7408)**



## SECTION – IV: MARINE INFORMATION

### Crossing of Vessels through Pamban Channel

Source: Tamilnadu Maritime Board

The southern railway had informed that the lifting of Scherzer rolling lift span of the railway bridge in the Pamban Channel will be suspended for undertaking gauge conversion of the Manamadurai – Rameshwaram section of the railway line from 15 Nov 2006 to Mar 2007. The ships, crafts etc will not be able to pass through the navigational span till completion. Further position shall be intimated depending upon the progress.

**Charts affected: 3016 – 317 – 358 (INT 7394).**

### 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><b>C-Map India Pvt. Ltd.</b> 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a></p>	<p><b>C-Map Norway AS</b> Hovlandsveien 52, P.O. 212, N-4370, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:market@c-map.no">market@c-map.no</a></p>
<p><b>C-Map US Commercial</b> 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: <a href="mailto:info@c-map.com">info@c-map.com</a></p>	<p><b>C-Map (UK) Ltd.</b> Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a></p>
<p><b>Mari-Sys Pte Ltd.</b> 20 Ayer Rajah Crescent, #08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a></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 &amp; 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) (03/05) 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) (03/05) INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.**

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

*(HJ/928/86)*

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

**Nancowry Island**

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

**Mayabundar Island**

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

**Port Blair**

- |                        |                            |
|------------------------|----------------------------|
| (h) Bamboo flat beacon | 11° 41'.33N., 92° 43'.20E. |
| (i) 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**

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 12 Jun 2007, covering the entire world are listed below against the respective NAVAREA
- 3.

<b><u>NAVAREA No.</u></b>	<b><u>LOCATION</u></b>	<b><u>LAST NAVAREA</u></b>	<b><u>NAVAREA IN FORCE</u></b>
I	N.E. Atlantic	131	<b>2005 series:</b> 402 468. <b>2006 series:</b> 356. <b>2007 series:</b> 019 035 050 092 093 096 097 099 101 112 114 116 121 122 124 128 131.
II	E. Atlantic	206	<b>2007 series:</b> 103 183 200 202 203 205 206.
III	Mediterranean	241	<b>2007 series:</b> 187 189 192 206 207 214 215 216 221 222 226 228 229 230 232 234 235 236 237 238 239 240 241.
IV	N.W. Atlantic	159	<b>2007 series:</b> 141
V	W. Atlantic	506	<b>2007 series:</b> Nil.
VI	S.W. Atlantic	193	<b>2007 series:</b> Nil.
VII	S.E. Atlantic	86	<b>2006 series:</b> 086. <b>2007 series:</b> 044 076 080 083 085 086
VIII	Indian Ocean	348	<b>2006 series -</b> 745 <b>2007 series -</b> 014 035 072 112 161 179 184 185 201 216 241 242 249 257 270 279 286 294 319 320 321 323 329 330 332 335 336 337 338 339 340 341 342 343 344 345 347 348

<b>312 to 318. Cancelled</b>
<b>319. Cancel Navarea Eight 311 of 2007 India West Coast – Off Navibandar.</b> Charts 21 204 205 252 292 INT 705 MV Mariam Trans sunk in approximate position 21-28.5N 069-24.8E. 2. Mariners to exercise caution.
<b>320. India West Coast – Off Mangalore Port.</b> Charts 22 217 258 272 293 2002 2052 INT 706. Yellow coloured buoy (SW 04 ) 2.2 meters dia and 3.5 meters mast fitted with radar reflector laid in position 12-56.15N., 074-46.56E with characteristics fl(4) 15s (04NM). 2. All vessels operating in vicinity are to maintain a clearance of 500 m off the buoy.
<b>321. India West Coast – Arabian Sea.</b> Charts 22 272 INT 706. Yellow coloured buoy (OB 03 ) 2.2 metres dia and 3.5 metres mast fitted with radar reflector laid in position 12-28.55N 072-04.26E with characteristics fl(4) 15 s (04NM). 2. All vessels operating in vicinity are to maintain a clearance of 1000 m off the buoy.
<b>322. Cancelled.</b>
<b>323. India West Coast – Gulf of Kachchh.</b> Charts 21 203 205 2051 2068 INT 706. Sts crud lighterage operations at LPO Mumbai/Bombay high oilfields shifted to LPO Vadinar in area bounded by the following points: (a) 22-34.5N 069-38.0E (b) 22-33.1N 069-38.0E (c) 22-30.0N 069-37.3E (d) 22-30.0N 069-36.0E (e) 22-33.2N 069-36.0E. 2. Mariners to exercise caution.
<b>324 to 328. Cancelled.</b>
<b>329. India West Coast – Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval coast battery between 0330 UTC and 1530 UTC on 08 Jun 12 Jun 15 Jun and 19 Jun 2007. Danger area bounded by: 09-57.50N 075-59.50E 09-57.70N 076-14.20E 09-44.00N 076-17.50E 09-42.50N 076-09.50E 2. Safe flying height 10000 metres. 3. Cancel this message on 20 Jun 2007.
<b>330. India Andaman Island – Middle Button Island.</b> Charts 33 41 403 4001 4014 INT 706. Middle button light house 12-16.6N 093-01.8E unlit.
<b>331. Cancelled.</b>

**332. Cancel Navarea Eight messages 274 282 293 314 and 327 of 2007. India East Coast– Bay of Bengal.** Charts 31 32 33 301 351 352 354 355 357 3009 INT 706. Present position of oil rigs / drill ships as follows:

Rig-31	16-25.00N.,	082-08.00E
Atwood Beacon	16-40.00N.,	082-28.40E
Transocean Nordic	20-02.00N.,	086-54.00E
Perro Negro III	16-40.17N.,	082-25.70E
Deep Water Frontier	11-28.60N.,	080-11.10E
Discoverer Seven Seas	19-42.60N.,	086-49.60E
Sagar Vijay	16-35.60N.,	082-27.20E
Galaxy Driller	20-45.90N.,	088-19.60E
C kirk Rhein Jr	16-31.90N.,	082-30.50E
Deep Driller I	17-02.10N.,	082-31.20E
Aban II	16-23.70N.,	081-59.00E
Actinia	11-15.60N.,	080-06.60E

2. Wide berth requested

**333 to 334. Cancelled**

**335. Cancel Navarea Eight 283 and 318 of 2007. India West Coast – Arabian Sea.** Charts 21 22 202 211 251 253 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows:

Aban III	19-20.63N	071-25.68E
Aban V	19-33.50N	071-23.33E
CE Thronton	19-51.33N	071-39.50E
Fg Mc Clintok	19-24.10N	071-23.06E
Frontier Ice	20-10.37N	069-40.33E
Hitdrill	19-32.27N	071-24.08E
JT Angel	18-36.27N	072-14.03E
Kedarnath	22-52.13N	068-31.38E
Noble Charlie	19-38.90N	071-20.95E
Noble Ed Holt	19-34.25N	071-17.87E
Pride Pennsylvania	19-15.18N	072-02.17E
Pride Hawaii	18-31.55N	072-16.73E
Ron Topmeyer	19-05.33N	072-06.88E
Rondolf Yost	19-11.95N	072-11.00E
Sagar Gaurav	19-35.38N	071-59.08E
Sagar Laxmi	18-36.15N	071-01.63E
Sagar Pragati	18-32.27N	072-15.43E
Sagar Ratna	18-54.88N	072-16.92E
Sagar Samrat	19-32.13N	071-18.81E
Sagar Shakti	19-26.65N	071-20.60E
Sagar Uday	19-33.23N	071-19.75E
Trident – 2	18-34.48N	072-16.77E
Trident – 12	19-26.83N	071-15.45E
Ensco-50	19-23.16N	071-57.16E
Ensco-53	20-44.78N	071-55.55E.

2. Wide berth requested.

**336. Cancel Navarea Eight 333 of 2007. India West Coast Off Dwarka.** Charts 21 204 252 271 292 INT 705. Tug AK Ash sunk in approximate position 22-08.40N., 068-54.82E.

2. Mariners to exercise to caution.

**337. India West Coast Inner Approaches to Mumbai.** Charts 21 22 211 255 292 293 2016 INT 705 INT 706. Wreck buoy in position 18-52.70N., 072-41.88E Missing.

2. Mariners to exercise caution.

**338. India West Coast Inner Approaches to Mumbai.** Charts 21 22 211 255 292 293 2016 INT 705 INT 706. Spoil ground buoy in position 18-46.49N., 72-48.25E Missing.

2. Mariner to exercise caution.

**339. India West Coast Revadanda Port.** Charts 21 22 211 255 292 293 2026 INT 705 INT 706. Racon with code 'O' installed at Korlaifort light house 18-32.30N 072-54.50E unreliable.

**340. India East Coast – Gopalpur.** Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC and 1230 UTC from 13 Jun to 16 Jun 2007 and 21 Jun to 23 Jun 2007. Danger area bounded by:

(a)	19-14.6N	084-53.7E	(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 24 Jun 2007.

<p><b>341. India West Coast – Mormugao.</b> Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval aircraft between 0230 UTC and 1230 UTC from 14 Jun to 21 Jun 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.  3. Cancel this message on 22 Jun 2007.</p>
<p><b>342. India West Coast – Pigeon Island.</b> Charts 22 216 257 2072 INT 706. Firing practice by Naval ships and aircrafts on Pigeon Island between 0230 UTC and 1130 UTC from 15 Jun to 21 Jun 2007. Danger area 10 NM around Pigeon Island.</p> <p>2. Safe flying height 3500 metres.  3. Cancel this message on 22 Jun 2007.</p>
<p><b>343. Refer Navarea Eight 332 of 2007. India East Coast– Bay of Bengal.</b> Charts 31 32 355 INT 706. Rig C Krik Rhein Jr moved to new position 16-33.4N., 082-33.5E.</p> <p>2. Wide berth requested</p>
<p><b>344. Refer Navarea Eight 332 of 2007. India East Coast– Bay of Bengal.</b> Charts 31 32 355 INT 706. Rig Discoverer Seven Seas moved to new position 16-30.2N., 082-29.6E.</p> <p>2. Wide berth requested</p>
<p><b>345. India Andaman Sea Tillanchang Island.</b> Charts 33 41 408 472 32 INT 754 INT 706. Tillanchang Light position 08-28.3N., 093-37.0E unlit.</p>
<p><b>346. Cancelled.</b></p>
<p><b>347. Self cancelling . Cancel Navarea eight messages 276 288 and 296 of 2007 . Promulgated sufficiently.</b></p>
<p><b>348. India East Coast – Bay of Bengal .</b>Charts 31 32 355 INT 706. Electromagnetic survey in progress by S/V Sasha in area bounded by:</p> <p>(a) 16-09.7N., 083-41.8E (b) 16-14.7N., 083-43.3E  (c) 16-32.2N., 082-44.5E (d) 16-27.0N., 082-42.9E</p> <p>2. Vessel towing one 3000 meters long submerged cable just above the sea bed.  3. All vessels operating in vicinity are to maintain a clearance of 03 NM off the vessel and exercise caution.  4. Cancel this message on 16 Jul 2007.</p>

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	115	<b>2006 series:</b> 106 116 147 177 200 203 216 230. <b>2007 series:</b> 003 006 018 022 025 027 040 042 047 048 062 078 080 083 086 087 090 092 093 095 101 102 106 107 108 109 111 114 115.
X	Australia, New Guinea	111	<b>2007 series:</b> 037 055 060 063 069 073 076 078 079 080 081 082 085 088 089 090 091 092 094 096 098 099 102 104 106 107 108 109 110 111.
XI	Malacca Strait, China Sea, N. Pacific	237	<b>1996 series:</b> 0925 <b>1998 series:</b> 0655 <b>1999 series:</b> 0053 0187 0310 <b>2000 series:</b> 0677 <b>2001 series:</b> 0182 0775 <b>2003 series:</b> 0106 0303 0304 <b>2004 series:</b> 0246 0271 0361 0571 <b>2005 series:</b> 0271 0307 <b>2006 series:</b> 0005 0050 0052 0058 0075 0083 0090 0123 0224 0250 0251 0276 0303 0343 0561 0568 0580 0585. <b>2007 series:</b> 0002 0003 0004 0008 0009 0085 0093 0098 0130 0133 0148 0155 0183 0187 0189 0197 0215 0222 0223 0224 0225 0226 0227 0228 0229 0230 0233 0234 0235 0236 0237
XII	N.E. Pacific	134	<b>2007 series:</b> Nil
XIII	N.W. Pacific	028	<b>2007 series:</b> Nil
XIV	S.W. Pacific	022	<b>2007 series:</b> 005 007 010 022.
XV	S.E. Pacific	083	Nil
XVI	E. Pacific	137	Nil
Hydropacs	Pacific, Indian Ocean	1017	<b>2006 series:</b> 524 1049 1812. <b>2007 series:</b> Nil
Hydrolants	Atlantic, Mediterranean	996	<b>2006 series:</b> 1394.

**SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

**INP 2 Bay of Bengal Pilot (2007 Edition) INDIA-South Andaman Island – Port Blair – Snake Island – General Information.**

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*Article 8.86, Para 3*

*Amend after Snake Island 6m high.*

lies 5.8 cable SEE of Carbyn's cove beach and is conspicuous: it is surrounded by rocks all around and having vegetation in the center.

**ROS INS Nirupak M(D) - 158**

**12/07**

**INP 2 Bay of Bengal Pilot (2007 Edition) INDIA-South Andaman Island – Port Blair – Carbyn's Cove – General Information.**

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*Article 8.86, Insert after Para 2a*

*2b* **Tourist spot** - Carbyn's Cove a well developed tourist spot, is situated on the Eastern coast of South Andaman Island from Latitude 11° 38'N to 11° 39' N and long 92° 44' 30"E to 92°45'48"E about five Km South East of the Chatham jetty of Port Blair. There are three beach resort at the high tide line, viz THE WAVES, PEERLESS RESORT AND CORBYN'S HUT, from South to North.

**ROS INS Nirupak M(D) - 158**

**12/07**

**SECTION – VII: CORRECTIONS TO INDIAN LIST OF LIGHTS**

<b><u>No</u></b>	<b><u>Name &amp; Location</u></b>	<b><u>Position (Lat-Long)</u></b>	<b><u>Charact- eristics</u></b>	<b><u>Ht. mts.</u></b>	<b><u>Range miles</u></b>	<b><u>Structure &amp; Height (mts)</u></b>	<b><u>Remarks</u></b>
<b>D6598-1</b>	-Ilha de Goa. 2nd Ldg Lts 127°. Rear. 410m from front	15 03-20 S 40 47-40 E	Fl(2)W 12s  *	32  *	16  *	White square masonry tower, red bands, on dwelling 31 *	<b>Aeromarine</b>  *
<b>D6860</b>	Île Denis. N side	3 47-80 S 55 40-00 E	Fl W 5s	37	10	White metal tower 27	<i>fl 0-8</i>  *
<b>D6861</b>	- Grand' Anse. Ldg Lt 028°	4 20-20 S 55 43-10 E	Fl W 3s	3	5	White square masonry tower	<i>fl 0-3</i> . Rear red beacon, △ topmark, unlit *
<b>D6862</b>	- Baie Sainte Anne. Pointe Cabris	4 21-00 S 55 46-30 E	Fl W 10s	16	5	White masonry tower	Vis 222°-055°(193°)  *
<b>D6868</b>	- PORT VICTORIA. Victoria  ---	4 37-10 S 55 28-20 E  ..	Fl W 6s  Aero Q W *	12  ..	7  ..	White round masonry tower 11 ..	Occas. Vis from the NE only
<b>D6871</b>	- Pointe Matoopa (Cape Ternay)	4 38-30 S 55 22-10 E	Q(2)W 10s  *	21	10	White concrete tower	Vis 026°-221°(195°)  *
<b>D7612</b>	- No 2	29 48-22 N 48 44-55 E	Fl G 6s	..	..	..	<b>Reported TE 2006</b>  *
<b>D7687</b> DELETED	Remove from list						
<b>E6142-92</b>	<b>Hanīsh al Kubrá.</b> SW end  -- Emergency light --	13 39-96 N 42 40-62 E  .. ..	Fl W 5s  Fl W 5s AIS *	200  .. *	16  10 *	White round GRP tower, red bands 6 .. *	<i>fl 0-1.</i> Vis 010°-070°(60°).  <b>Reported relit 2007</b> fl 1 *





**SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS****INP 31(1), 2005***(Last correction: Edition No. 08 dated 16 Apr 2007)*

NIL

**INP 31(2), 1995***(Last correction: Edition No. 11 dated 01 Jun 2007)***PAGE 36, INDIA, section.  
Insert****Diu Head Lt. Racon D 20°41'45N 70°49'68E 78947****DGLL****12/07****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.08 dated 16 Apr 2007)*

NIL

**INP 31, VOLUME 6, 2005***(Last correction: Edition No. 10 dated 16 May 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) [ Enclosed with editions 1,7,13 & 19 of N to M]**

### **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  
(UTTARANCHAL), INDIA  
e-mail: - [incho@dataone.in](mailto:incho@dataone.in); [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)  
[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in); [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)  
Fax No.: (0135) 2748373  
WEB: [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

### **Instructions for filling up Form IH 102 (Enclosed with editions 1,7,13 & 19 of N to M)**

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.	<b>a) NAME OF THE PORT</b> : <b>b) Location</b> : <b>Lat:</b> _____, <b>Long:</b> _____ <b>c) Listing in Guide to Port Entry: Yes/No.</b> <b>Sl. No.:</b> _____	
2.	<b>NAME AND ADDRESS OF PORT AUTHORITIES</b> a) Name b) Address c) Phone d) Fax e) E-mail	
3.	<b>GENERAL REMARKS</b> 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.	<b>ANCHORAGES</b> a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	<b>PILOTAGE</b> a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	<b>DIRECTIONS</b> a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	<b>POLLUTION CONTROL</b> a) Local regulations in force (if any)	

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

18. <b>PORT AUTHORITY</b> Designation, address and telephone number.	
19. <b>SMALL CRAFT FACILITIES</b> a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20. <b>SHORE LEAVE</b>	
21. <b>CLUBS / RECREATION / INFORMATION KIOSKS</b> – Their location.	
22. <b>VIEWS</b> (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**

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

**E Mail :** [incho@dataone.in](mailto:incho@dataone.in) / [incho\\_marinesafety@dataone.in](mailto:incho_marinesafety@dataone.in)

[incho\\_navwarnings@dataone.in](mailto:incho_navwarnings@dataone.in) / [incho\\_helpdesk@dataone.in](mailto:incho_helpdesk@dataone.in)

Fax No.: 91- 0135- 2748373

WEB : [www.hydrobharat.nic.in](http://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:**

	<b>Date/Time of observation</b>	<b>Charted</b>	<b>Observed</b>	<b>Position/Area</b>
<b>(a) Bathymetry:</b>				
(i) Depth - .....	.....	.....	.....	.....
(ii) Depth Contour - .....	.....	.....	.....	.....
(iii) Channel Depth - .....	.....	.....	.....	.....
<b>(b) Navigational Dangers:</b>				
(i) New Shoals.....	.....	.....	.....	.....
(ii) New Rocks.....	.....	.....	.....	.....
(iii) New Reefs.....	.....	.....	.....	.....
(iv) New Wrecks.....	.....	.....	.....	.....
(v) New Nav-aid (Specify) - .....	.....	.....	.....	.....
<b>(c) Casualties to existing Nav-Aids:</b>				
(i) Buoys.....	.....	.....	.....	.....
(ii) Lights.....	.....	.....	.....	.....
(iii) Fog signals.....	.....	.....	.....	.....
(iv) Racons.....	.....	.....	.....	.....
(v) Transit Marks .....	.....	.....	.....	.....
(vi) Leading Lines.....	.....	.....	.....	.....
(vii) Clearance bearings.....	.....	.....	.....	.....
<b>(d) Designated Areas:</b>				
(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

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

E Mail : [inho@dataone.in](mailto:inho@dataone.in) / [inho\\_marinesafety@dataone.in](mailto:inho_marinesafety@dataone.in)

[inho\\_navwarnings@dataone.in](mailto:inho_navwarnings@dataone.in) / [inho\\_helpdesk@dataone.in](mailto:inho_helpdesk@dataone.in)

Fax No.: 91- 0135- 2748373

WEB : [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

*Please Note:*

1. Please see over leaf 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	<b>Metres</b>	<b>Inches</b>	
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	<b>Inches</b>	<b>Feet</b>	<b>Metres</b>	<b>Factors</b>		
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	<b>Fthms</b>	<b>Metres</b>	<b>Feet</b>	<b>Metres</b>		
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	<b>Factor = 1 m = 3.280839895 feet or</b>					
37	121.391	20.232	93	305.118	50.853	<b>39370078740 inches = 0.546806649 fthm</b>					
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						