

INDIAN
CHARTS AND PUBLICATION
(ORIGINAL, AUTHENTIC AND MOST UP-TO-DATE)



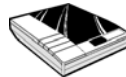
REACH US 24 HOURS A DAY



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Write to
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INDIA



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INDIAN
NOTICES TO MARINERS

EDITION NO. 11, DATED 01 JUNE 2003
(Notices 228 – 237)

CONTENTS

- I. Index of Charts Affected.
- II. Permanent Notices.
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Mariners are requested to notify the Chief Hydrographer to the Government of India, National Hydrographic Office, Post Box No. 75, Dehradun -248001, INDIA [Fax: 0091- (135) - 2748373 Grams: Hydro Dehradun immediately on the discovery of new dangers or suspected dangers to navigation and of changes or defects in aids to navigation. A Hydrographic Note (IH 102), which is a convenient form on which to send in a report, is attached with Notices to Mariners Editions dated 1st January, 1st April, 1st July and 1st October.

KR Srinivasan
Rear Admiral
Chief Hydrographer
to the Government of India

(Published on 1st and 15th of every month)

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EXPLANATORY NOTES

Charts and Positions The Notices in section II give instructions for the corrections of Indian and Admiralty Charts including the information on new Indian Charts and Publications. Geographical positions refer to the horizontal datum of the current edition of the largest scale chart unless otherwise stated. Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward. Symbols referred to are those shown on the chart 5020.

Alterations to depth contours, deletion of depths to make way for new detail, etc; are not mentioned unless they have some navigational significance.

Blocks and notes, if any, accompanying notices in Section II are placed after Section VIII.

Temporary and Preliminary Notices These are indicated by (T) and (P) after the notice number and are placed in Section III. A list of those in force published quarterly and text are published in Annual Edition of Indian Notices to Mariners. Charts are not corrected for them before issue, they should be corrected in pencil on receipt.

Original Information A star adjacent to the number of a notice indicates that the notice is based on original information.

Sailing Directions Corrections or the sailing Directions are given in Section VI. A summary of corrections in force will be issued in Section VI of the Edition dated 1st January, 1st April, 1st July and 1st October.

Lights When a light is affected by a notice its Lights List number is quoted. The correction of the Light List is given in Section VII and should be incorporated as per instructions given on page 11 of the list of Lights. It may be published in earlier or later Edition than the chart correcting notice.

The range of a light is the nominal range; geographical range is given in parenthesis if less than the nominal range.

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

Radio Navigational Warnings Updating information is published by fortnightly Notices to Mariners supplemented by the radio warnings for items of immediate importance. It should be borne in mind that they may be based on reports which can not always be verified before promulgation, and that is some time necessary to be selective and promulgate only the more important items to avoid over loading users; the reminder being included in the revised Edition of the charts and publications concerned.

Laws and Regulations While in the interest of the safety of shipping, the Hydrographic Office makes every endeavour 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 Indian Notices to Mariners contains important information and should be used to keep the specified charts and books up to date.

THE USE OF CHARTS AND ASSOCIATED PUBLICATIONS

Reliance on Charts and Associated Publications While every effort is made to ensure the accuracy of the information on Indian charts and other publication, it should be appreciated that it may not always be complete and up-to-date. The mariners must be the final judge of the reliance he can place on the information given, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

The positions of Hydrographic objects shown on the Indian charts and publications are given 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 variation in position obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum). Before plotting GPS positions on charts, datum shift values given on the chart are to be applied in order to agree with the charted position. These datum shift values are not uniform, particularly in areas off Andaman & Nicobar and Lakshdweep Islands, as these places are not strictly adjusted to mainland network (datum). Mariners are

advised to use alternate source of position information particularly when closing the shore or navigating in the vicinity of danger.

Charts Charts should be used with prudence; there are areas where the source data are old incomplete or of poor quality. The mariners should use largest scales appropriate for his particular purpose; apart from being the most detailed, the larger scale are usually corrected first. When extensive information (such as new hydrographic survey) is received, some months must elapse before it can be fully incorporated in published charts.

On small-scale charts of ocean areas where hydrographic information is, in many cases still sparse, charted shoal may be in error as regards position, least depth and extent. Undiscovered dangers may exist particularly away from well-established routes.

Further Guidance The mariner's Hand Book (NP 100) gives full explanation of the limitation of charts. In their own interest, all users should study it.

I

INDEX OF CHARTS AFFECTED *(Edition No. 11 dated 01 June 2003)*

INDIAN Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
21	2	233 (T)	2444	40	229
22	3	232	2886	40	229
31	5	235 (T), 236 (T)	2887	40	229
32	5	235 (T)	2889	40	229
33	5	237 (T)			
208	2	234 (T)			
209	2	234 (T)			
211	3	230			
257 (INT 7343)	3	231			
273	4	232			
292	2	233 (T)			
301	5	236 (T)			
351	5	236 (T)			
354 (INT 7408)	5	235 (T)			
355 (INT 7405)	5	235 (T)			
2001	3	230			
2015 (INT 7337)	3	230			
2016	3	230			
2019	2	234 (T)			
2020	3	228			
2022	3	228			
2044	2	234 (T)			
2076	3	230			
2078 (INT 7346)	3	228			
2101	2	234 (T)			
7705 (INT 705)	1	233 (T)			
7706 (INT 706)	1	235 (T), 237 (T)			
7707 (INT 707)	1	237 (T)			

III

TEMPORARY AND PRELIMINARY NOTICES

***233 (T) (11/03) INDIA – West Coast – Arabian Sea – Data buoy**

1. An oceanographic mooring current meter and one weather buoy each deployed in position
 - (a) 21° 34'.95N., 66° 29'.48E.
 - (b) 20° 11'.60N., 67° 52'.66E.
 - (c) 22° 00'.26N., 67° 18'.93E.
2. Weather buoy will be in surface and oceanographic mooring current meter will be 450m below surface.
3. Mariners are advised to give wide berth.

Charts affected – 21 – 292– 7705 (INT 705)

(Fugro Geonics, Mumbai: HJ/1031/13)

***234 (T) (11/03) INDIA – West Coast – Approaches to Hazira – Buoy**

1. A data buoy has been deployed in position 21° 05'.30N., 72° 35'.95E. marked by flashing light at night for a period of 13 months.
2. All vessels operating in the vicinity to give wide berth.

Charts affected – 2101 – 2019 – 2044 – 209 – 208

(Gujarat Maritime Board: HJ/1130/17)

***235 (T) (11/03) INDIA – East Coast – Scramento shoal to Kalingapatnam – Seismic survey**

Cancel INM 223 (T)/03 and 212 (T)/03

1. Seismic survey in the following area is in progress by MV Ramform Vanguard and will be completed by 15 June 2003.
 - (a) 17° 09.0N., 082° 31.0E.
 - (b) 17° 12.0N., 082° 35.0E.
 - (c) 17° 01.0N., 082° 43.0E.
 - (d) 16° 40.0N., 082° 43.0E.
 - (e) 16° 33.0N., 082° 31.0E.
2. Vessel is towing 3.5 NM long 8 seismic cables, end marked by a yellow tailbuoy with radar reflector showing white flashing light at night
3. All vessels operating in vicinity to keep well clear and exercise caution.

Charts affected – 354 (INT 7408) – 355 (INT 7405) – 31 – 32 – 7706 (INT 706)

(Navarea VIII 284/03: HJ/1029/77)

***236 (T) (11/03) INDIA – East Coast – Approaches to Hugli River – Danger to navigation**

1. Unmanned abandoned MV Sagitiga Binu anchored in position 21° 06.7N., 88° 20.4E.
2. Dangerous to navigation. Mariners to exercise caution.

Charts affected – 31 – 301 – 351

(Navarea VIII 278/03:HJ/1129/11)

***237 (T) (11/03) INDIA – East Coast – Bay of Bengal – Southern Portion – Danger to navigation**

1. Unmanned abandoned MSB Bennaya adrift in approximate position 08° 31.7N., 88° 36.1E..
2. Dangerous to navigation. Vessels in vicinity to keep sharp lookout and exercise caution.

Charts affected – 33 – 7706 (INT 706) – 7707 (INT 707)

(Navarea VIII 275/03: HJ/929/81)

V

NAVIGATIONAL WARNINGS

Refer to Notice No. 12 (Special Edition, Notice to Mariners – 1999). Navigational Warning pertaining to Navigational Warning Area (NAVAREA VIII) is reproduced in this section. Text of NAVAREA VIII known to be cancelled prior to the date indicated are not given. Serial numbers only of Navigational warnings in force, pertaining to other NAVAREAS are given.

(1) Navarea I (N.E. Atlantic)
(01 June 2003)

186 Received

(2) Navarea II (E. Atlantic)
(01 June 2003)

Nil

(3) Navarea III (Mediterranean)
(01 June 2003)

329 Received

(4) Navarea IV (N.W. Atlantic)
(01 June 2003)

167 Received

(5) Navarea V (W. Atlantic)
(01 June 2003)

Nil

(6) Navarea VI (S.W. Atlantic)
(01 June 2003)

Nil

(7) Navarea VII (S.E. Atlantic)
(01 June 2003)

075 Received

(8) Navarea VIII (Indian Ocean)
(01 June 2003)

298 Received

2003: 246 250 251 253 254 261 267 275 276 277 278 279 281 282 284 288 289 290 291 292 293
294 295 296 297 298.

268 to 274. Cancelled.

275. India East Coast–Bay of Bengal. Charts 33 INT 706 INT 707. Unmanned abandoned MSB Bennaya adrift in approximate position 08-31.7N., 088-36.1E. Dangerous to navigation. Vessels in vicinity to keep sharp lookout and exercise caution.

276. India East Coast – Vadarevu. Charts 31 32 355 356 3008 3026 INT 706. Vadarevu light flashing (2) 15 seconds switched on trial basis in position 15-48.0 N., 080-25.0 E.

277. Refer Navarea 251/2003. Rig PN - III moved to new position 19-25.6N., 071-16.2E. Wide berth requested.

278. India East Coast – Approaches to Hugli River. Charts 33 301 351 INT 706. Unmanned abandoned MV Sagitiga Binu anchored in position 21-06.7N., 088-20.4E. Dangerous to navigation. Mariners to exercise caution.

279. India West Coast – Mumbai Harbour. Charts 211 255 292 2015 2016 2076. North karanja buoy in position 18-55.12N., 072-52.7E relit.

280 & 281. Cancelled.

282. India West Coast – Gulf Of Kachchh. Charts 21 202 203 251 252 271 291 292 INT 705. Kachchigadh racon 22-19.8N., 068-56.9E. withdrawn temporarily.

V

283. Cancelled.

284. India East Coast-Kakinada. Charts 31 32 354 355 INT 706. Seismic survey in progress by MV Ramform Vanguard till 15 Jun 2003 in area bounded by: 17-09.0N., 082-31.0E; 17-01.0N., 082-43.0E; 16-40.0N., 082-43.0E; 16-33.0N., 082-31.0E. Vessel towing 3.5 NM long 8 seismic cables, end marked by a yellow tail buoy with radar reflector showing white flashing light at night. All vessels operating in vicinity to keep well clear and exercise caution. Cancel this message on 16 Jun 2003.

285 to 287. Cancelled.

288. India West Coast – Arabian Sea. Charts 21 292 INT 72 INT 705. Oceanography mooring and weather buoy deployed in position 20-11.6N., 067-52.7E. Weather buoy will be in surface and oceanographic mooring will be 450 metres below surface. Mariners are advised to give wide berth.

289. India West Coast – Mormugao. Charts 22 214 215 257 INT 706. Air to ground firing practice on land and sea by air crafts between 0230 UTC and 1230 UTC from 01 Jun to 07 Jun 2003 in area bounded by: 15-13.0N., 073-57.0E; 15-13.0N., 073-52.0E; 15-11.0N., 073-57.0E; 15-11.0N., 073-52.0E. Safe flying height is 3,500 metres. Cancel this message on 08 Jun 2003.

290. India West Coast- Magdalla. Charts 21 208 209 254 2044 INT 705. Data buoy deployed in position 21-05.3N., 072-35.9E. marked by flashing light at night. Wide berth requested.

291. India West Coast - Pigeon Island. Charts 22 216 257 2072 INT 706. Firing exercise by Naval ships and aircrafts between 0230 UTC and 1130 UTC from 01 Jun to 07 Jun 2003 on Pigeon Island. Danger Area – Circle of 25 NM radius around the position 14 –01.0N., 074 –19.6E. Safe flying height is 3,500 metres. Cancel this message on 08 Jun 2003.

292. India East Coast – Bay Of Bengal. Charts 31 301 351 352 INT 706. Experimental Flight Vehicle launching scheduled from 21-00.0N., 087-30.0E. between 0600 UTC and 1230 UTC from 01 Jun to 07 Jun 2003.

Area bounded by following limits

- | | |
|---------------------------|---------------------------|
| (a) 21-25.0N., 087-26.0E. | (b) 21-04.0N., 087-08.0E. |
| (c) 18-18.0N., 089-34.0E. | (d) 18-39.0N., 089-52.0E. |

No over flight is permissible over the danger zone. Cancel this message on 08 Jun 2003.

293. India East Coast – Gopalpur. Charts 31 353 INT 706. Firing exercise between 0030 UTC and 1230 UTC on 06 Jun 2003 in area bounded by: 19 - 14.6 N., 084 - 53.7 E; 19 - 10.5 N., 085 - 01.0 E; 19 - 01.7 N., 084 - 56.8 E; 19 - 05.1 N., 084 - 48.4 E; 19 - 12.6 N., 084 - 51.6 E. Safe flying height is 6,500 metres. Cancel this message on 07 Jun 2003.

294. India West Coast- Azhikod. Charts 22 32 220 259 273 2029 INT 706. Azhikod DGPS station 10-11.9N., 076-09.5E. functioning normal.

295. Andaman Sea-India Nicobar Islands. Charts 33 407 472 4032 INT 706. Keating Point DGPS station 09-15.7N., 092-46.5E. functioning normal.

296. India West Coast-Arabian Sea. Charts 21 22 255 292 7072 INT 705 INT 706. Seismic survey in progress by MV C-Orion till 10 Jun 2003 in area bounded by: 18-52.9N., 071-11.6E; 18-59.0N., 071-27.6E; 18-49.2N., 071-31.1E; 18-42.8N., 071-15.9E. Vessel towing 4X 5000 metres long and 600 metres wide streamer cable. All vessels operating in vicinity to keep well clear and exercise caution. Cancel this message on 11 Jun 2003.

297. India West Coast – Okha. Charts 21 202 203 251 291 2013 2055 2068 INT 705. Firing exercise by coast battery 22-28.7N., 069-04.0E. from 1030 UTC to 1230 UTC on 05 Jun 2003 in sector of 13 NM radius between 240 degree and 020 degree. Safe flying height is 13,000 metres. Cancel this message on 06 Jun 2003.

298. India West Coast – Lakshadweep Sea. Charts 22 23 33 273 INT 71 INT 701 INT 706 INT 707. Yellow coloured data buoy with radar reflector deployed in position 08-21.3N., 072-42.7E. Buoy fitted with light flashing 04 Sec. Mariners requested to keep clear by 1,000 metres.

V

(9) Navarea IX (Persian Gulf, Red Sea, NW Arabian Sea)

(01 June 2003)

121 Received

(10) Navarea X (Australia, New Guinea)

(01 June 2003)

015 Received

(11) Navarea XI (Malacca Strait, China Sea, N. Pacific)

(01 June 2003)

0222 Received

(12) Navarea XII (N.E.Pacific)

(01 June 2003)

107 (19) Received

(13) Navarea XIII (N.W.Pacific)

(01 June 2003)

Nil

(14) Navarea XIV (S.W. Pacific)

(01 June 2003)

060 Received

(15) Navarea XV (S.E. Pacific)

(01 June 2003)

Nil

(16) Navarea XVI (E. Pacific)

(01 June 2003)

Nil

(17) Hydropacks

(01 June 2003)

709 (74) Received

(18) Hydrolants


(01 June 2003)

840 (24) Received

VII

CORRECTIONS TO LIST OF LIGHTS

Edition No. 11 dated 01 June 2003

E 6150	- High Light	12 39.2 43 26.0	Fl(4)W 15s	85	24	Grey stone tower with embattled wall, white lantern 25	<i>(fl 0.2, ec2.1)x3, fl 0.2, ec 7.9.</i> Reported very faint (T) 2003
							*
F 0449	- PERIGEE LT V	21 42.1 72 18.4	Fl W 7s	12	8	Red hull Bell	Ra refl. Q W riding light.
		...					*
F 1172	Hin Mu Sang	7 47.9 98 37.8	Fl(2)W 4s	6	15	Black metal post, red bands 2	<i>fl 0.5, ec 1, fl 0.5, ec 2. (T) 2003</i>
*	*	*	*	*	*	*	*
F 1202.9	Ritchie's Archipelago. Lacam Harbour. Stowe Point	12 02.9 92 58.0	Fl W 10s	4	7		TE 2003
						*	*
F 1222.8	Tillanchang Island	8 28.3 93 37.0	Fl W 10s	24	25	White framework tower with black bands	*
							*
F 1397	Rob Roy Bank	1 54.5 102 03.0	Fl (2)W 10s	16	13	Black  on black tower, red band 10	<i>fl 1, ec 1.5, fl 1, ec 6.5. TE 2003.</i> Ra refl. Racon
							*

VIII

CORRECTION TO LIST OF RADIO SIGNALS

Edition No. 11 dated 01 June 2003

VOL. 1, 1987

(Last correction: Edition No. 04 dated 15 Feb 2003)

NIL

VOL. 2, 1995

(Last correction: Edition No. 08 dated 15 April 2003)

Kachchigadh Lt. Racon 360°
Not functioning

22° 19' .80N., 68° 57' .00E.

7890

(DLL Jamnagar)

(11/03)

B.A. VOL. 3 Part 1, NP 283(1), 2002/03

(Last correction: Edition No. 10 dated 01 June 2003)

NIL

VOL. 5, 1997/98

(Last correction: Edition No. 07 dated 01 April 2003)

NIL

VOL. 6, 1987

(Last correction: Edition No. 10 dated 01 June 2003)

NIL

B.A. VOL. 7, 1997/98-PART 2

(Last correction: Edition No. 16 dated 15 Aug 2000)

NIL

VIII

VOL. 8, 1999

(Last correction: Edition No. 10 dated 01 June 2003)

page 57, **India**, Section, delete section and replace by:

SI No.	ALRS Vol.2 stations ref.No.	Name of the station	Latitude & Longitude RS1	Latitude & Longitude RS2	DGPS Correction	Identification Numbers RS1/RS2 and broadcasting station		Range in Miles	Integrity Monitoring	Status	Transmitted message type	Remarks
					Txr Rate in bps	Broad-casting station	Ref station					
1	2157	Okha	22° 28' 35.28N 69° 04' 11.11E	22° 28' 35.24N 69° 04' 11.19E	100	100	400/401	100	Yes	Ops	3,5,7,9,16	The transmission is referred to the World Geodetic System (WGS 84) Datum. All the IN Charts, available in the Everest datum, carry a conversion factor, which may be applied by the mariner before plotting the position. The DGPS stations are functioning in MF marine band of frequency range from 285 - 325 KHz and the positions fixes available with the corrections from these stations will be in WGS-84 datum.
2	2168	Uttan	19° 16' 42.18N 72° 46' 50.86E	19° 16' 42.10N 72° 46' 50.85E	100	103	406/407	100	Yes	Ops	3,5,7,9,16	
3	2174	Aguada	15° 29' 32.18N 73° 46' 20.85E	15° 29' 32.15N 73° 46' 20.77E	100	105	410/411	100	Yes	Ops	3,5,7,9,16	
4	2176	Suratkal	13° 00' 17.03N 74° 47' 23.39E	13° 00' 17.01N 74° 47' 23.31E	100	106	412/413	100	Yes	Ops	3,5,7,9,16	
5	2180	Azhikode	10° 12' 13.04N 76° 09' 27.31E	10° 12' 12.96N 76° 09' 27.33E	100	107	414/415	100	Yes	Ops	3,5,7,9,16	
6	2186	Minicoy	08° 16' 09.96N 73° 01' 33.26E	08° 16' 09.98N 73° 01' 33.35E	100	109	418/419	100	Yes	Ops	3,5,7,9,16	
7	2188	Pondicherry	11° 54' 59.03N 79° 49' 51.73E	11° 54' 59.02N 79° 49' 51.85E	100	111	422/423	100	Yes	Ops	3,5,7,9,16	
8	2194	Dolphin's Nose	17° 40' 41.98N 83° 17' 29.15E	17° 40' 41.94N 83° 17' 29.04E	100	114	428/429	100	Yes	Ops	3,5,7,9,16	
9	2198	Sagour Island	21° 39' 30.56N 88° 02' 49.10E	21° 39' 30.51N 88° 02' 49.04E	100	117	434/435	100	Yes	Ops	3,5,7,9,16	
10	2243	Keating Point	09° 15' 21.15N 92° 46' 31.38E	09° 15' 21.29N 92° 46' 31.46E	100	119	438/439	100	Yes	Ops	3,5,7,9,16	

VIII

11	2160	Porbandar	21° 37' 21.22N 69° 37' 12.00E	21° 37' 21.29N 69° 37' 11.97E	100	101	402/403	100	Yes	Ops	3,5,7,9,16
12	2173	Ratnagiri	16° 59' 16.37N 73° 16' 20.60E	16° 59' 16.47N 73° 16' 20.49E	100	110	420/421	100	Yes	Ops	3,5,7,9,16
13	2187	Nagapata nam	10° 45' 58.13N 79° 51' 00.37E	10° 45' 58.04N 79° 51' 00.38E	100	113	426/427	100	Yes	Ops	3,5,7,9,16
14	2191	Krishnapa tanam	14° 15' 17.53N 80° 07' 33.23E	14° 15' 17.46N 80° 07' 33.36E	100	116	432/433	100	Yes	Ops	3,5,7,9,16
15	2192	Antervedi	16° 19' 01.12N 81° 43' 32.85E	16° 19' 01.14N 81° 43' 32.70E	100	118	436/437	100	Yes	Ops	3,5,7,9,16
16	2196	Paradip LH	20° 15' 21.04N 86° 39' 19.88E	20° 15' 20.96N 86° 39' 19.69E	100	120	440/441	100	Yes	Ops	3,5,7,9,16
17	-	Indira Point	*	*	100	122	444/445	100	Yes	Ops	3,5,7,9,16
18	-	Gopnath	21° 12' 11.88N 72° 06' 31.20E	21° 12' 11.75N 72° 06' 31.16E	100	102	404/405	100	Yes	Ops	3,5,7,9,16
19	-	Pandian Tivu	08° 47' 08.91N 78° 11' 48.56E	08° 47' 08.90N 78° 11' 48.36E	100	112	424/425	100	Yes	Ops	3,5,7,9,16

Note : * Coordinates for RS 1 and RS 2 in respect of Indira Point DGPS station will be made available shortly.