PEOPLE'S REPUBLIC OF BANGLADESH

AERONAUTICAL INFORMATION SERVICES

CIVIL AVIATION AUTHORITY, BANGLADESH

HEADQUATERS, KURMITOLA, DHAKA-1229, BANGLADESH

AIP AMDT

TEL: +88-02-8901904-13 ext: 4065, 4172 Cell: +880-1708167061 FAX:+88-02-8901411 AFS:VGHQYOYX Email: adaishq@caab.gov.bd	AIP AMENDMENT NR. 01/18 24 MAY 2018

Publication date : 26 APR 2018

Effective date : 24 MAY 2018

1. SIGNIFICANT INFORMATION AND CHANGES:

   a) Approach Charts for some airports in AD Section have been reviewed.

   b) Aerodrome Chart for one airport in AD Section has been reviewed.

   c) Amendment has been made regarding frequency change for some Airports on the Approach Chart of AD Section.

2. INSERT THE ATTACHED REPLACEMENT PAGES, WHICH ARE MARKED WITH ASTERISKS IN THE CHECKLIST OF PAGES-GEN 0.4-1 TO GEN 0.4-4

3. NEW OR REVISED INFORMATION IS INDICATED EITHER BY HORIZONTAL ARROW OR A VERTICAL LINE.

4. RECORD ENTRY OF AMENDMENT ON PAGE GEN 0.2-1.

5. THIS AMENDMENT INCORPORATES INFORMATION CONTAINED IN AIP SUPPLEMENT 01/2017 IS HEREBY SUPERSEDED.

PART 1 – GENERAL (GEN)
GEN 0
GEN 0.1 PREFACES

1. Name of the publishing authority

The AIP Bangladesh is published under the authority of the Civil Aviation Authority of Bangladesh.

2. Applicable ICAO documents

The AIP is prepared in accordance with the Standards and Recommended Practices (SARPs) of Annex 15 to the Convention on International Civil Aviation and the Aeronautical Information Services Manual (ICAO Doc 8126). Charts contained in the AIP are produced in accordance with Annex 4 to the Convention on International Civil Aviation and the Aeronautical Charts Manual (ICAO Doc 8697). Differences from ICAO Standards and Recommended Practices and procedures are given in subsection GEN 1.7.

3. The AIP structure and established regular amendment interval

AIP structure

The AIP forms part of the Integrated Aeronautical Information Package, details of which are given in subsection GEN 3.1. The principal AIP structure is shown in graphic form on page GEN 0.1-3. The AIP is made up of three parts, General (GEN), En-route (ENR) and Aerodromes (AD), each divided into sections and sub sections as applicable, containing various types of information subjects.

3.1.1 Part 1 General (GEN)

Part 1 consists of five sections containing information as briefly described hereafter.

GEN 0. Preface- Record of AIP Amendments; Record of AIP Supplements; Checklist of AIP pages; List of hand amendments to the AIP and the Table of contents to Part 1.

GEN 1. National regulations and requirements- Designated authorities; Entry, transit and departure of aircraft; Entry, transit and departure of passengers and crew; Entry, transit and departure of cargo; aircraft instruments, equipment and flight documents; Summary of national regulation agreements/conventions; and Differences from ICAO Standards, Recommended Practices and Procedures.

GEN 2. Tables and codes- Measuring system, aircraft markings, holidays; Abbreviations used in AIS publications; Chart symbols; Location indicators; List of radio navigation aids; Conversion tables; and Sunrise/Sunsets tables

GEN 3. Servicesï Aeronautical information services; Aeronautical Chart; Air traffic services; Communication services; Meteorological services; and Search and rescue.

GEN 4. Changes for aerodromes and air navigation servicesï Aerodrome charges; and Air navigation services charges.

3.1.2 Part 2 – En-route (ENR)

Part 2 consists of seven sections containing information as briefly described hereafter.

ENR 0. Table of contents to Part 2

ENR 1. General rules and procedures ï General rules; Visual flight rules; Instrument flight rules; ATS airspace classification; Holding, approach and departure procedures; Radar services and procedures; Altimeter setting procedures; Regional supplementary procedures; Air traffic flow management; Flight planning; Addressing of flight plan messages; Interception of civil aircraft; Unlawful interference; and Air traffic incidents.

ENR 2. Air traffic services airspace ï Detailed description of Flight Information Region (FIR); Terminal control areas (TMA); and other regulated airspace.

ENR 3. ATS routes ï Detailed description of ATS routes; Area Navigation routes; Helicopter routes; other routes; and En-route holding.

ENR 4. Radio Navigation aids / systemsï Radio Navigation aids en-route; Special navigation systems; Name Code designator for significant points and Aeronautical ground lights en-route.

ENR 5. Navigation warnings ï Prohibited, Restricted and Danger areas ; Military exercise and training areas; other activities of a dangerous nature; Air navigation obstacles en-route; Aerial sporting and recreational activities; and bird migration and areas with sensitive fauna.
ENR 6. En-route Charts - En-route Chart ï ICAO.

3.1.3 Part 3–Aerodromes (AD)

Part 3 consists of three sections containing information as briefly described hereafter.

AD 0. Table of contents to Part 3.

AD 1. Aerodromes ï Introductions; Aerodromes availability; Rescue and firefighting services; Index to Aerodromes and grouping of aerodromes.

AD 2. Aerodromesï Detailed information about aerodromes including helicopter landing areas if located at the aerodromes.

3.2 Regular amendments interval

Regular amendments to the AIP will be issued once in every six months.

4. Service to contract in case of detected AIP errors or omissions

In the compilation of the AIP, care has been taken to ensure that the information contained therein is accurate and complete, any errors or omissions which may nevertheless be detected as well as any correspondence concerning the integrated aeronautical information package should be referred to Director (ATS/Aero), Aeronautical Information Service, Civil Aviation Authority of Bangladesh, Headquarters, Kurmitola, Dhaka-1229, Bangladesh. Tel +88 02 8901914-18 Ext 4065, Cell: +8801708167061, E-mail: adaishq@caab.gov.bd

5. Miscellaneous information

Enquiries, Suggestions or complaints regarding any aeronautical service should be referred to the Chairman, Civil Aviation Authority of Bangladesh.

GEN 0.2 RECORDS OF AIP AMENDMENTS

NR/Year	Effective Date	Date Inserted	Inserted by	NR/Year	Effective Date	Date Inserted	Inserted by
01/2011	30 JUN 2011	30 JUN 2011					
NIL	15 DEC 2011						
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02/2012	18 OCT 2012	18 OCT 2012					
01/2013	04 APR 2013	04 APR 2013					
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01/2016	23 JUN 2016	23 JUN 2016					
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01/2018	24 MAY 2018						

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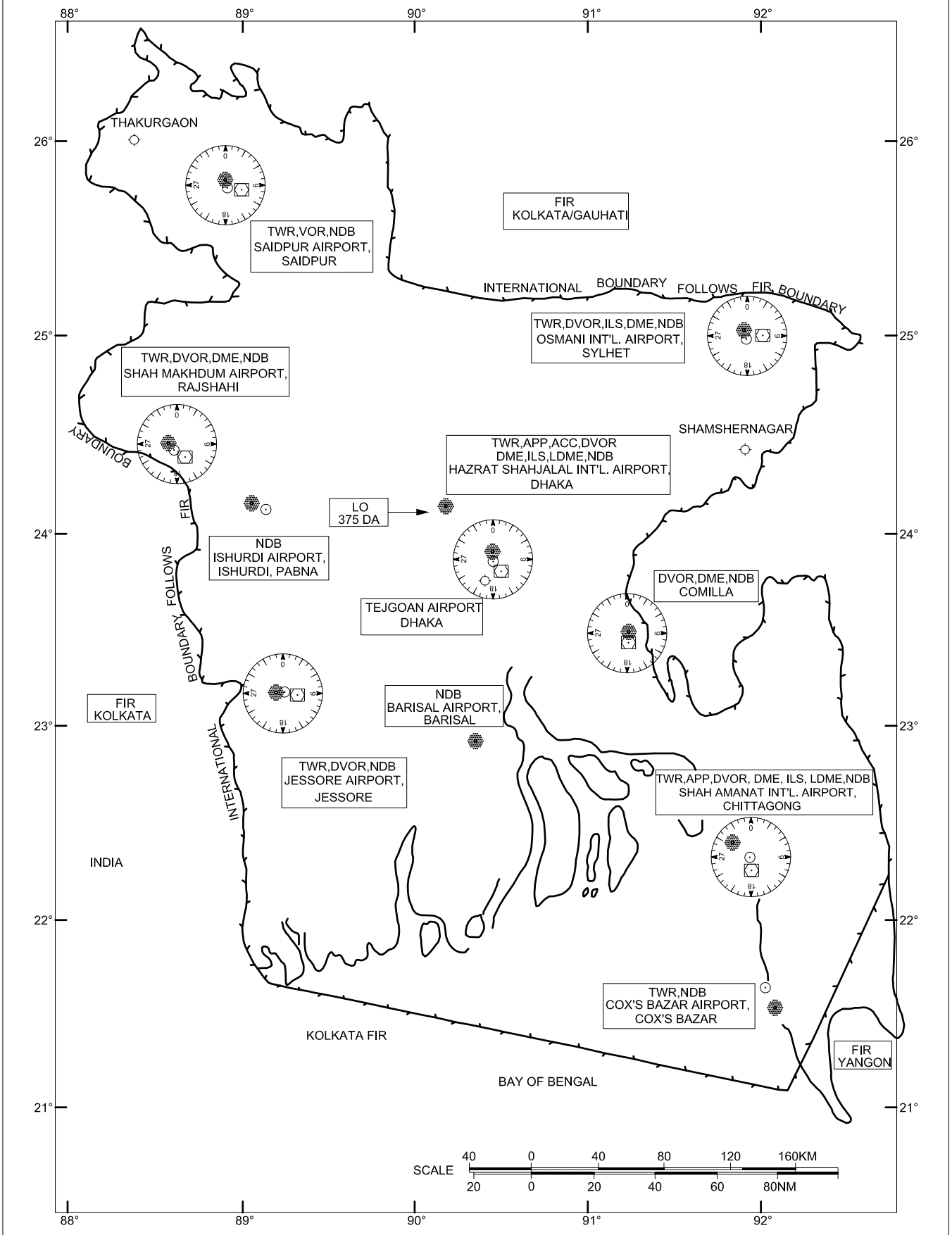

GEN 3.4 COMMUNICATION SERVICES

1. Responsible service

1.1. The Member Operation & Planning of Civil Aviation Authority of Bangladesh acting under the authority of the Chairman Civil Aviation Authority of Bangladesh is the responsible authority for the provision of communication services within the area indicated in para-2 below.

Postal Address	: Member (Operation & Planning) Civil Aviation Authority of Bangladesh Headquarters, Kurmitola, Dhaka-1229, Bangladesh
Telephone	: + 880-2-8901405 (Office), +880-2-8114580 (Res.)
Telefax	: +880-2-8901428
E-mail	: mops@caab.gov.bd
AFS	: VGHQYAYO
Website	: www.caab.gov.bd

1.2. Communication services in Bangladesh are provided by the Civil Aviation Authority of Bangladesh administered by the Director, Communication Services at Civil Aviation Authority, Headquarters.

Postal Address	: Member (Operation & Planning) Civil Aviation Authority of Bangladesh Headquarters, Kurmitola, Dhaka-1229, Bangladesh
Telephone	: + 880-2-8901403 (Office)
Telefax	: +880-2-8901428
E-mail	: dcom@caab.gov.bd
AFS	: VGHQYAYO
Website	: www.caab.gov.bd

1.3. Enquiries, suggestions or complaints regarding any Telecommunications services should be referred to relevant Station Communications officers at each international airport or to the Chairman, Civil Aviation Authority as appropriate.

1.4. The service is provided in accordance with the provisions contained in the following ICAO documents:

Annex 10 ï Aeronautical Telecommunications.
Doc 8400 ï Procedure for Air Navigation Services-ICAO Abbreviations and Codes (PANS-ABC)
Doc 8585 ï Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services
Doc 7030 ï Regional Supplementary Procedures.
Doc 7910 ï Location Indicators.

1.5. Differences to these provisions are detailed in subsection GEN 1.7

2. Area of responsibility

2.1 Communication Services as indicated in the following paragraphs are provided for the entire territory including territorial water of Bangladesh as well as in the airspace over the high seas encompassed by Dhaka FIR.

3. Types of services

3.1 Radio Navigation Services

3.1.1 The following types of radio aids to navigation are available:

(1) LF/MF Non-directional Beacon (NDB)
(2) Primary and Secondary Surveillance Radar (PSR/SSR) ⟵
(3) VHF Omni-directional Radio Range (VOR) ⟵
(4) Distance measuring equipment (DME)
(5) Instrument Landing System (ILS)
(6) ILS DME ⟵

3.2 Mobile / fixed Service

3.2.1 Mobile Service

The aeronautical stations maintain a continuous watch on their stated frequencies during the published hours of service unless otherwise notified.

An aircraft should normally communicate with the air ground control radio station that exercises control in the area in which the aircraft is flying. Aircraft should maintain a continuous watch on the appropriate frequency of the control station and should not abandon watch, except in an emergency, without informing the control radio station.

3.2.2 Fixed Service

The messages to be transmitted over the Aeronautical Fixed Service (AFS) are accepted only if:

(a) they satisfy the requirement of ICAO Annex 10, Vol II, Chapter 3, Para 3.3;
(b) they are prepared in the form specified in ICAO Annexï 10;
(c) the text of an individual message does not exceed 1800 characters.

3.3 Broadcasting Service

Following Broadcasts are available for the use of aircraft in flight:

(a) VHF Automatic Terminal Information Service (ATIS) Broadcasts.

7. VOLMET Service

VOLMET Service is not provided.

8. SIGMET Service

Table GEN 8.1 SIGMET Service

Name of MWO/location indicators	Hours of service	FIR or CTA Served	SIGMET validity period	Specific procedures	ATS units served	Additional information
1	2	3	4	5	6	7
Hazrat Shahjalal Intl Airport VGHSYMYX	H24	Dhaka FIR	4 HR	Nil	Dhaka ACC	Nil

9. Other automated meteorological services

Nil

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5.1.1 CONTROLLED AIRSPACE

Standard separation shall be provided in Controlled Airspace. When vertical separation is applied, the vertical separation minimum shall be 2000 feet up to FL280 and FL290 to FL410 for RVSM equipped ACFT and 4000 feet between FL290 and FL410 for non RVSM equipped ACFT and FL410 to UNL for all ACFT.

No VFR operations shall be allowed during the period of VVIP Flight is expected to operate in Controlled Airspace.

5.1.2 OUTSIDE CONTROLLED AIRSPACE (EN-ROUTE)

When the VVIP flight is flying in Bangladesh, no other aircraft shall be cleared to operate in the block of uncontrolled airspace defined below:-

ñ2000 feet below and above cruising level and 25 nautical miles either side of the intended route of the VVIP flight in uncontrolled airspaceò.

This restriction will not be applicable when it is known that horizontal separation based on current flight plans will exist between the VVIP flight and other aircraft.

5.1.3 RADAR SEPARATION

Minimum 10 NM within the Radar coverage.

6 Reporting the Location of Birds in the Vicinity of Airports

6.1 INTRODUCTION

In order to enable the Pilot to locate the position of birds with reference to the airport, ĂBird Reportingğ by aerodrome control tower at civil aerodrome will be done as given in the following paragraph.

6.2 QUADRANTAL REPORTING PROCEDURES

For the purpose of giving report of location of birds observed in the vicinity of aerodromes, the airspace within the aerodrome traffic zone will be divided into 4 sectors (Quadrants):

Sector	(Quadrant)	Bearing from Control Tower		
NE	(First)	000 deg	to	089 deg.
SE	(Second)	090 deg	to	179 deg.
SW	(Third)	180 deg	to	269 deg.
NW	(Fourth)	270 deg	to	359 deg.

6.3 Report: Caution Birds in South East Sector between 1500 feet and 2000 feet.

7.1 Special Procedure for Dhaka FIR

ENTRY IN DHAKA FIR

7.1.1 The following co-ordination procedure shall apply for flights entering and/ or transition Dhaka FIR;

(i) FPL/DEP message shall be addressed to Dhaka ACC/FIC.

(ii) Aircraft shall establish radio contact with Dhaka ACC/FIC (with position report and estimates) 10 minutes before entering Dhaka FIR boundary except those flights departing from Indian aerodromes located close to the FIR boundary which shall contact Dhaka ACC/FIC as early as possible but not later than crossing the FIR boundary.

7.2 FLIGHTS THROUGH AIRSPACE DELEGATED TO KOLKATA ACC

7.2.1 The portion of airspace on Route L507 within Dhaka FIR between AVPOP and ESDOT from FL280 to FL460 is delegated to Kolkata ACC/FIC for the provision of Air Traffic Services only. However control of aircraft at or above FL130 shall remain with Kolkata ATCC for provision of ATS.

7.2.2 (i) No aircraft shall operate through that part of Dhaka FIR which has been delegated to Kolkata ACC/FIC without prior approval from the Chairman, Civil Aviation Authority of Bangladesh.

(ii) Flight plans, departure and delay messages pertaining to flights through this airspace shall be addressed to Dhaka ACC/ FIC.

(iii) Prior to entering the aforementioned airspace aircraft shall contact Dhaka Radio on 3491/6556/10066 KHz (MWARA) and 2947KHz (RDARA) or Dhaka ACC on VHF 125.7 MHz Kolkata and pass the following information:

(a) Aircraft call sign
(b) Place and Time of Departure
(c) Destination/ETA
(d) Estimated time over reporting points AVPOP and ESDOT.

Subsequent reports will only be necessary if the estimates differ by 5 minutes or more.

7.2.3 DESCENT OF AIRCRAFT BOUND FOR KOLKATA

The following procedure shall apply for flights operating through Dhaka FIR intend to start descent before FIR boundary:

The aircraft shall request Dhaka ACC/FIC for descent. Dhaka ACC/FIC shall provide the aircraft with available traffic information and advise the aircraft to co-ordinate with Kolkata directly for descent.

7.2.4 CRUISING LEVELS

All aircraft are required to be at a level (semi-circular system) appropriate to their magnetic tracks, prior to entering or leaving Dhaka FIR otherwise cleared when prior coordination has been effected between Dhaka Kolkata ACC/FIC.

7.2.5 TRANSFER OR COMMUNICATION-AIR/GROUND

The transfer of Air/ Ground communication to adjacent FIC/ACC is normally made at the agreed transfer point or at the common FIR boundary.

8. Reduction of Longitudinal Separation Minima

8.1. The longitudinal separation minima of 15 minutes is reduced to 10 minutes on ATS Routes L507, A599, A201, B465, G463, A462, R344, R472, B593 and R598 within the Dhaka FIR. The application is to be exercised in the following manner:

a) Aircraft on the same track and the same cruising level.
b) Aircraft flying on crossing track and at the same level.
c) Aircraft climbing and descending.

9. Transfer of Control while Dhaka approach is in operation

a) Departing traffic shall be handed over to Dhaka Approach by Dhaka Tower after airborne. Dhaka Approach shall hand over air traffic to Dhaka Control or Dhaka Radar as appropriate while leaving ACA boundary.

b) Arriving traffic shall be handed over by Dhaka Control/ Dhaka Radar to Dhaka Approach Control before entering ACA boundary or while descending through FL160 within TMA boundary. Dhaka Approach shall hand over traffic to Dhaka Tower while field-in-sight on final approach segment.

c) Dhaka Approach may delegate a portion of airspace within Aerodrome Traffic Zone to Dhaka Tower for a particular period, if necessary.

d) Normally operation of Aerodrome Control Tower shall remain confined within the movement area till airborne and from the point while aircraft reports field-in-sight on final approach for landing except as mentioned in c) above.

10. Signals for aerodrome traffic.

LIGHT AND PYROTECHNIC SIGNALS		
LIGHT	FROM AERODROME CONTROL TO	
Direct towards aircraft concerned	Aircraft in flight	Aircraft on ground
Steady green	Cleared to land	Cleared for take-off
Steady red	Give way to other aircraft and continue circling	Stop
Series of green flashes	Return for landing	Cleared to taxi
Series of red flashes	Aerodrome unsafe, do not land	Taxi clear of landing area in use
Series of white flashes	Land at this aerodrome and proceed to apron	Return to starting point on the aerodrome.
Red pyrotechnic	Notwithstanding any previous instructions, do not land for the time being.	---
Clearances to land and to taxi will be given in due course.		

ENR 3 ATS ROUTES

ENR 3.1 ATS ROUTES (INTERNATIONAL and DOMESTIC)

Route Designator Name of Significant Points Coordinates	Track MAG (GEO) DIST(COP)	Upper Limits Lower Limits MFA Airspace Classification	Lateral Limits (NM)	Direction of Cursing Levels		Remarks Controlling Unit Frequency
				Odd	Even	
1	**2**	**3**	**4**	**5**		**6**
L507						
▲ AVPOP 221809N 0890050E ▲ ESDOT 212045 N 0903250E	124Á 304Á 103 NM	FL 460 FL 280 ALT 4000 FT Class D	RNP10	↓	↑	The portion of Route L507 between AVPOP and ESDOT from FL280 to FL460 is delegated to Kolkata ACC/FIC for the provision of Air Traffic Services only. However control of aircraft at or above FL130 shall remain with Kolkata ATCC for provision of ATS.
A201						
▲ VOR AAT 235322.4N0911423E		FL460 FL 265 2000 FT Class B	10	↓	↑	Airway Minimum cruising Level FL 270 due to military trg area (VGR 5) Dhaka ACC 126.7/125.7 MHz
▲ BOGEP (ABM DAC VOR) 240408N 0902450 E	285Á105Á 47 NM					
▲ VOR RAJ 242621.18N0883654.10E	285Á105Á 103 NM					
▲ TEBID 244102N 0880150 E	295Á115Á 35 NM					
A462 (Dhaka-Kolkata)						
→ ▲ VOR DAC 234927.42N 0902446.52E		FL 460 2000 FT Class C	10	↓	↑	Airway Dhaka TWR 118.3 MHz within Dhaka CTR Dhaka ACC 126.7/125.7 MHz
▲ AKEVO 233603N 0900250 E	237Á057Á 25 NM	FL 460 FL 055 2000 FT Class C				
▲ IKOGU 232239N 0893850 E	237Á057Á 25 NM	FL 460 FL075 2000 FT Class B				
▲ ABM NDB JR 230603N 0891250 E	237Á057Á 30NM					
▲ BEMAK 225539N 0885356 E	237Á057Á 20 NM					
A599 (Chittagong-Chila)						
→ ▲ VOR CTG 221527.90N 0914938.98E		FL460 FL145 3000 FT Class B	10	↓	↑	Airway ATAS: below FL 245 and above FL 150 All aircraft are to make simultaneous board-cast of LASHIO Position to Kolkata and Yangon Dhaka ACC 126.7/125.7 MHz
→ æ 25 DME	082Á262Á 25 NM	FL460 FL245 3000 FT Class B	20			
▲ CHILA 222303N 0924456 E	082Á262Á 28 NM					

Route Designator Name of Significant Points Co-ordinates	Track MAG (GEO) DIST (COP)	Upper Limits Lower Limits MFA Airspace Classification	Lateral Limits (NM)	Direction of Cursing Levels		Remarks Controlling Unit Frequency
				Odd	Even	
1	**2**	**3**	**4**	**5**		**6**
B 465						
▲SUMAG 223539N 088526 E		FL 460 FL 115 2000 FT Class B	10	↓		Airway BTN FL 460 & FL 115
▲DAKID 221833N 0912250 E	277Á097Á 139 NM	FL 460 2000FT 2000 FT Class C / B				Airway BTN FL 460 & FL 145
▲VOR CTG 221527.90N0914938.98 E	277Á097Á 25 NM					
▲AVDAX 221333N 0921625 E	094Á274Á 25 NM	FL 460 FL 245 3000 FT Class B	20			Airway BTN FL 460 & FL 245 ATAS: below FL 245 and above FL 150
▲APAGO 221211N 0924013 E	094Á274Á 22 NM			↑		Dhaka ACC 126.7/125.7 MHz.
B 593						
▲NOKAT 224727N 0885630 E		FL 460 FL 075 2000 FT Class B	10	↓		Airway BTN FL 460 & FL 075
▲BAVAN 230528.72N 0895838.36E	073Á253Á 61 NM	FL 460 FL 075 2000 FT Class C				.
▲AGUNU 231315.37N 0902633.48E	073Á253Á 29 NM					
▲VOR CML 232600.03N 0911124.93E	073Á253Á 40 NM					
▲DAC-KOL FIR BDRY 233257N 0911150 E		FL 460 FL 075 2000FT Class F				ATAS: above FL 150 Dhaka ACC 126.7/125.7 MHz
▲DAC-KOL FIR BDRY 235702N 0911350 E						
▲VOR AAT 235322.4N 0911423.0 E	007Á187Á 28NM					
▲IBAPA 251102N 0912609 E	009Á189Á 77 NM			↑		

Route Designator Name of Significant Points Co-ordinates	Track MAG (GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude Airspace Classification	Lateral Limits (NM)	Direction of Cursing Levels		Remarks Controlling Unit Frequency
				Odd	Even	
1	**2**	**3**	**4**	**5**		**6**
G 463						
▲ VOR (DAC) 234927.42N0902446.52 E		FL 460 2000FT 2000FT Class C	10	↓		Airway ATAS BTN TANAP and AVLED above FL 150 to FL 245 (not including) Dhaka TWR 118.3 MHz within Dhaka CTR Chittagong TWR 118.4 MHz within Chittagong CTR Dhaka ACC 125.7 MHz/ 126.7 MHz outside Dhaka and Chittagong CTR.
▲ KANDI 233013 N 0904205E	141Á 321Á 25 NM	FL 460 FL 055 2000FT Class C				
▲ ADMIL 231051N 0905926 E	141Á 321Á 25 NM	FL 460 FL 075 2000 FT Class B				
æ 75 DME DAC	141Á 321Á 25 NM	FL 460 FL 115 3000 FT Class B				
▲ ONEKA 223448N 0913214 E	141Á 321Á 23 NM	FL 460 FL145 4000 FT Class B				
▲ VOR CTG 221527.90N 0914938.98 E	141Á 321Á 25 NM					
▲ TANAP 215627N 0920637 E	141Á 321Á 25 NM	FL 460 FL 245 4500 FT Class B				
▲ AVLED 214003N 0922049 E	141Á 321Á 21 NM		20		↑	
▲ VOR DAC 234927.42N 0902446.52 E		FL 460 2000FT 2000FT Class C	10	↓		Airway Dhaka TWR 118.3 MHz within Dhaka CTR Dhaka ACC 125.7 MHz/ 126.7 MHz outside Dhaka CTR.
▲ OLPAS 235732N 0900005 E	290Á 110Á 25 NM	FL 460 FL 055 2000FT Class C				
▲ BATEL 240642N 0893456 E	290Á 110Á 25 NM	FL 460 FL 075 2000FT Class B				
▲ VOR RAJ 242621.18N0883654.10E	290Á 110Á 55 NM	FL 460 FL 115 2000FT Class B		↑		
▲ TEBID 244102N 0880150 E	295Á 115Á 35 NM				↓	Airway (one way route) Rajshahi to Katmandu VOR

Route Designator Name of Significant Points Co-ordinates	Track MAG (GEO) VOR RDL DIST (COP)	Upper Limits Lower Limits Minimum Flight Altitude Airspace Classification	Lateral Limits (NM)	Direction of Cursing Levels		Remarks Controlling Unit Frequency
				Odd	Even	
1	**2**	**3**	**4**	**5**		**6**
R344						
▲ REDAP 245400N 0881115E ▲ VOR RAJ 242621.18N0883654.10E	140Á 320Á 36 NM	FL 400 FL 115 2000 FT Class B	10	↓		Airway (one way route) Katmandu to Rajshahi VOR Dhaka ACC 125.7 MHz/ 126.7 MHz
R472						
▲ AGODA 241920N 0883606 E		FL 460 FL 115 2000FT Class B	10	↓		Airway Dhaka ACC 125.7 MHz/ 126.7 MHz.
▲ VOR RAJ 242621.18N0883654.10E	005Á 185Á 6 NM					
▲ ATOGA 251600N 0900112 E	057Á 237Á 91 NM			↑		
R598						
▲ AGODA 241920N 0883606 E		FL 460 FL 115 2000 FT Class B	10	↓		Airway Dhaka ACC 125.7 MHz/ 126.7 MHz.
▲ VOR RAJ 242621.18N0883654.10E	005Á 185Á 6 NM	FL 460 FL 095 2000 FT Class G/F*				*ATAS above FL 150 below that FIS Dhaka ACC 125.7 MHz/ 126.7 MHz.
▲ MIGOP 251220N 0884708 E	011Á 191Á 47 NM					
▲ VINAD 252214N 0884920 E	012Á 192Á 10 NM					
▲ VOR SDP 254545N 0885445 E	012Á 192Á 16 NM					
▲ VANTU 260530N 0891450 E	041Á 221Á 27 NM			↑		

ENR 4 RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS EN-ROUTE

Name of station	ID	Frequency	Hours of operation	Coordinates of the transmitting antenna	ELEV Antenna	Remarks
DHAKA, DVOR	DAC	112.7MHz	H24	234927.42N 0902446.52E		
DHAKA, DME	DAC	1161MHz	H24	234927.42N 0902446.52E		
DHAKA, NDB	DCN	298 KHz	H24	235034.32N0902503.67E		
DHAKA, LO	DA	375KHz	H24	235558.39N0901936.52E		
CHITTAGONG, DVOR	CTG	113.4 MHz	H24	221527.90N 0914938.98E		
CHITTAGONG, DME	CTG	1168 MHz	H24	221527.90N 0914938.98E		
CHITTAGONG, NDB	EG	287 KHz	H24	221504.61N0914904.53E		
SYLHET, DVOR	SYT	116.4 MHz	HO	245747.75N0915142.06E		
SYLHET, NDB	SY	372 KHz	HO	245719.60N0915220.74E		
SYLHET ILS DME		1013 MHz	HO			
BARISHAL, NDB	BL	368 KHz	HO	224752.16N0901752.21E		
COXôS BAZAR, NDB	CB	396 KHz	HO	212710.29N0915756.70E		
COMILLA, DVOR	CML	115.5 MHz	HO	232600.03N 0911124.93E		
COMILLA, NDB	CM	330 KHz	HO	232610.33N 0911115.86E		
ISHURDI, NDB	-	-	-	-		
JESSORE, DVOR	JSR	113.0 MHz	HO	231206.37N0890910.39E		
JESSORE, NDB	JR	280 KHz	HO	231030.57N0890942.31E		
RAJSHAHI, DVOR	RAJ	114.6 MHz	H24	242621.18N0883654.10E		
RAJSHAHI, NDB	RJ	228 KHz	H24	242632.87N0883649.35E		
RAJSHAHI, DME	RAJ	1180 MHz	H24	242621.18N0883654.10E		
SAIDPUR, DVOR	SDP	115.8 MHz	HO	254516.30N0885435.64E		
SAIDPUR, NDB	SD	268 KHz	HO	254552.27N0885434.83E		

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ENR 4.3 NAME CODE DESIGNATOR FOR SIGNIFICANT POINTS

Name code designator	Coordinates	ATS Route or Other Route
ADMIL	23 10 51 N 090 59 26 E	G 463
AGODA	24 19 20 N 088 36 06 E	R472
AGUNO	23 13 15 N 090 26 33 E	B593
AKEVO	23 36 03 N 090 02 50 E	A462
APAGO	22 12 11 N 092 40 13 E	B465
ATOGA	25 16 02 N 090 01 02 E	R472
AVDAX	22 13 33 N 092 16 25 E	B465
AVLED	21 40 03 N 092 20 49 E	G463
AVPOP	22 18 09 N 089 00 50 E	L507
BATEL	24 06 42 N 089 34 56 E	G463
BAVAN	23 05 28 N 089 58 38 E	B593
BELKU	24 20 02 N 089 36 50 E	W3
BEMAK	22 55 39 N 088 53 56 E	A462
BOGEP	24 04 08 N 090 24 50 E	A201
CHILA	22 23 03 N 092 44 56 E	A599
DAKID	22 18 33 N 091 22 50 E	W14
ESDOT	21 20 45 N 090 32 50 E	L507
GURSO	23 24 03 N 090 20 50 E	W9
IBANU	23 24 57 N 089 37 14 E	W2
IBAPA	25 11 02 N 091 26 09 E	B593
IKOGU	23 22 39 N 089 38 50 E	A462
KAKBO	23 00 03 N 090 18 50 E	W9
KANDI	23 30 13 N 090 42 05 E	G463
LATIM	24 05 30 N 090 45 45 E	W1
MEXIV	24 02 42 N 090 03 05 E	W3
MIGOP	25 12 20 N 088 47 08 E	R598
MIMAR	23 37 03 N 090 01 00 E	W2
NIKLI	24 11 45 N 090 53 00 E	W1
NOKAT	22 47 27 N 088 56 30 E	B593
NUPUR	23 06 08 N 090 51 56 E	W14
OLPAS	23 57 32 N 090 00 05 E	G463
ONEKA	22 34 48 N 091 32 14 E	G463
PABAN	21 51 41 N 092 10 24 E	W15
REDAP	24 54 00 N 088 11 15 E	R344
SARAR	25 16 02 N 089 09 23 E	W6
SETAR	23 27 49 N 090 38 23 E	W14
SUMAG	22 35 39 N 088 56 26 E	B465
TANAP	21 56 27 N 092 06 37 E	G463
TEBID	24 41 02 N 088 01 50 E	A201
TEGAK	24 10 40 N 089 50 15 E	W3
UBLIN	21 50 03 N 091 53 49 E	W4
VANTU	26 05 32 N 089 14 40 E	R598
VINAD	25 22 14 N 088 49 20 E	R598
VINET	22 25 28 N 091 24 35 E	W5

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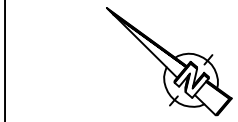
HAZRAT SHAHJALAL INTERNATIONAL AIRPORT, DHAKA

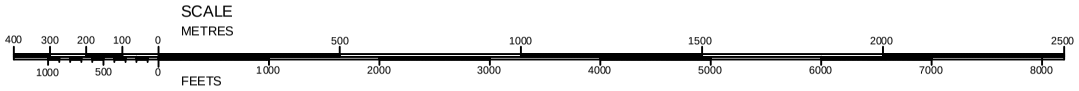
AERODROME CHART-ICAO

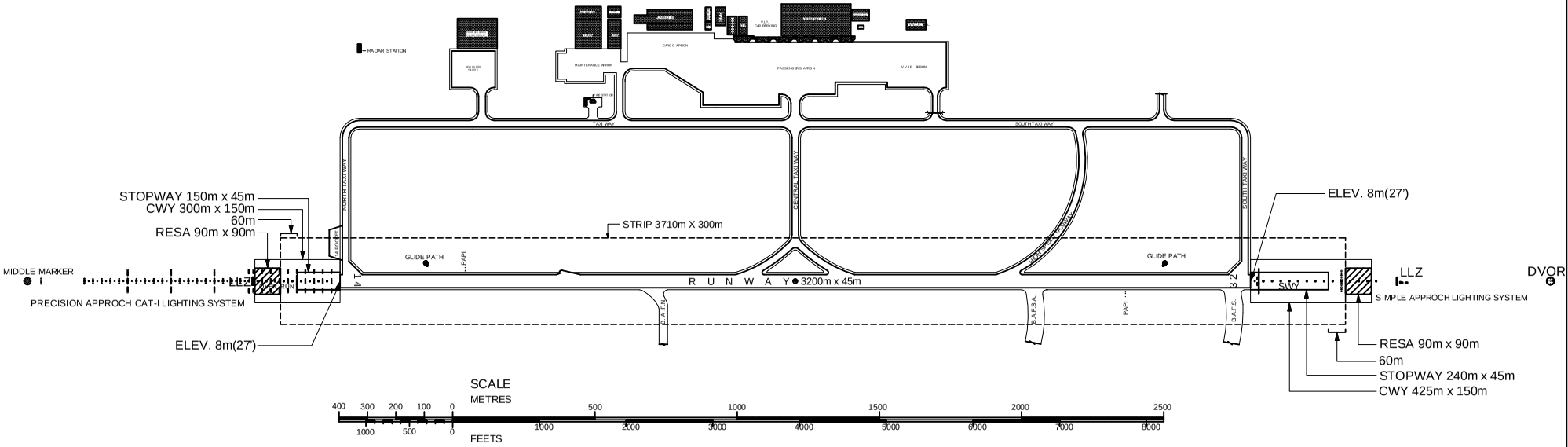
MAGNETIC VARIATION 1° W



MARKING AIDS RWY 14/32 AND EXIT TWY

LIGHTING AIDS RWY 14/32 AND EXIT TWY

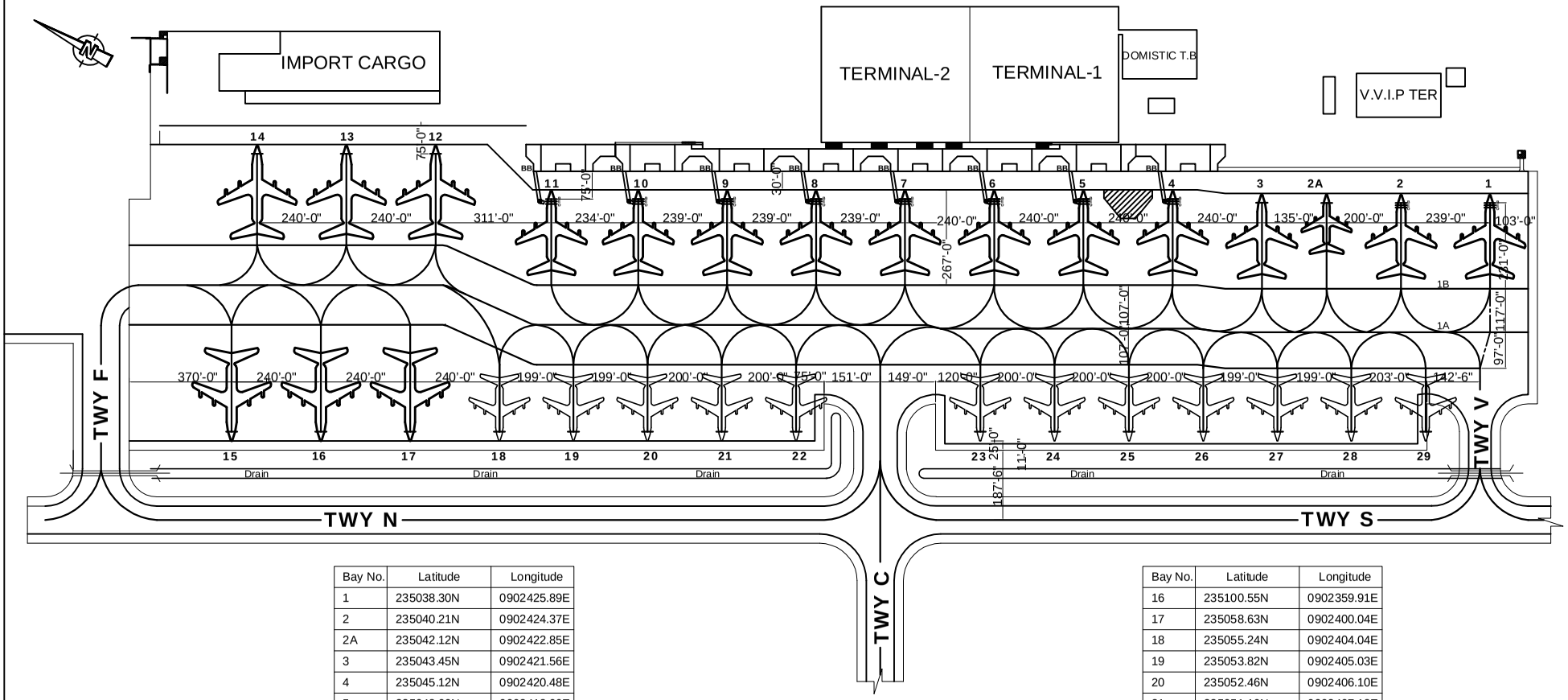




HAZRAT SHAHJALAL INTERNATIONAL AIRPORT, DHAKA

AIRCRAFT PARKING / DOCKING CHART

MAGNETIC VARIATION 1° W



Bay No.	Latitude	Longitude
1	235038.30N	0902425.89E
2	235040.21N	0902424.37E
2A	235042.12N	0902422.85E
3	235043.45N	0902421.56E
4	235045.12N	0902420.48E
5	235048.00N	0902418.00E
6	235048.95N	0902417.40E
7	235050.87N	0902415.88E
8	235052.79N	0902414.35E
9	235054.71N	0902412.83E
10	235056.62N	0902411.31E
11	235058.53N	0902409.79E
12	235100.86N	0902409.51E
13	235102.40N	0902408.28E
14	235104.24N	0902406.18E
15	235102.47N	0902358.38E

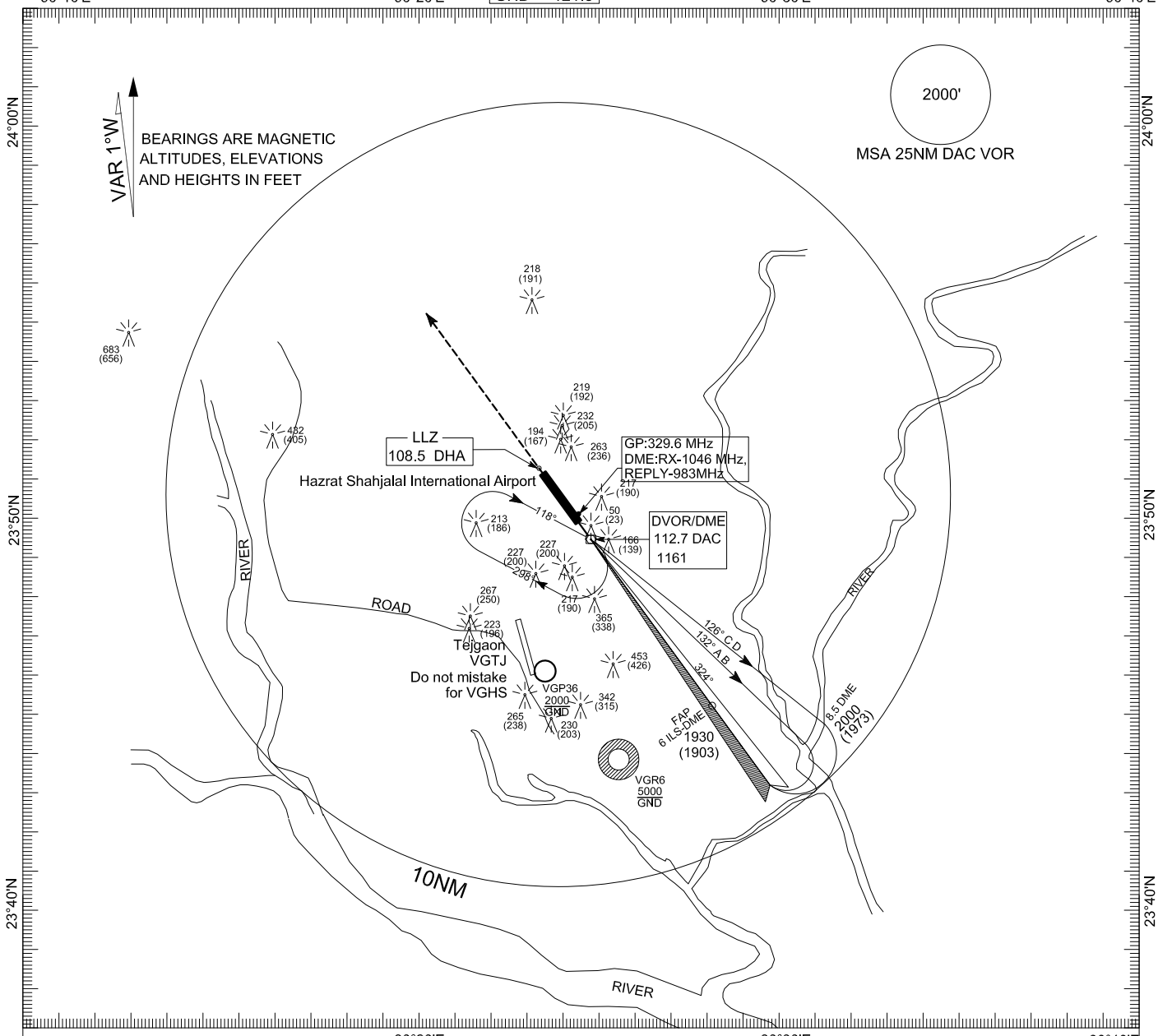
Bay No.	Latitude	Longitude
16	235100.55N	0902359.91E
17	235058.63N	0902400.04E
18	235055.24N	0902404.04E
19	235053.82N	0902405.03E
20	235052.46N	0902406.10E
21	235051.10N	0902407.18E
22	235049.74N	0902408.26E
23	235045.78N	0902411.41E
24	235044.42N	0902412.49E
25	235043.06N	0902413.57E
26	235041.71N	0902414.64E
27	235040.34N	0902415.72E
28	235037.61N	0902417.89E
29	235036.96N	0902418.54E
1A	235037.80N	0902421.90E
1B	235038.34N	0902422.80E

INSTRUMENT APPROACH CHART - ICAO

ELEV 27 FT
HEIGHTS RELATED TO AD ELEV

ATIS	127.4
ACC(U)	125.7
ACC(L)	126.7
APP	121.3
TWR	118.3
GND	121.8

DHAKA, BANGLADESH
HAZRAT SHAHJALAL INTERNATIONAL AIRPORT
VOR/DME/ILS(1) RWY 32



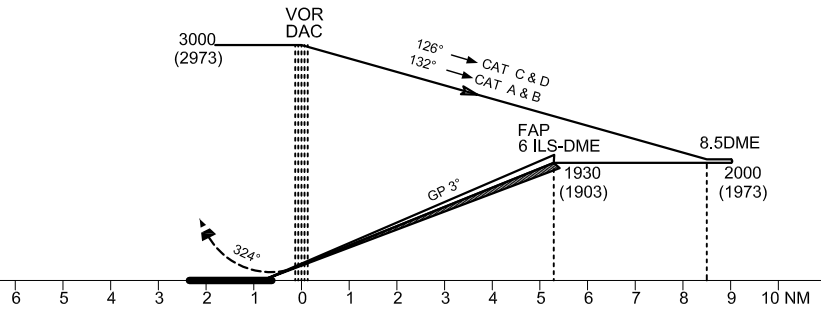
TRANSITION LEVEL FL 060

TRANSITION ALTITUDE 4000FT

MISSED APPROACH

CLIMB TO 2000FT/610M ON TRACK 324°
TURN LEFT TO `DAC' AND CONTACT ATC
FOR FURTHER INSTRUCTION

ILS RDH 52'



CATEGORY OF ACFT		A	B	C	D
OCA(OCH)	FULL	300 (270)	310 (280)	320 (290)	330 (300)
	GP OUT	350	350	350	350

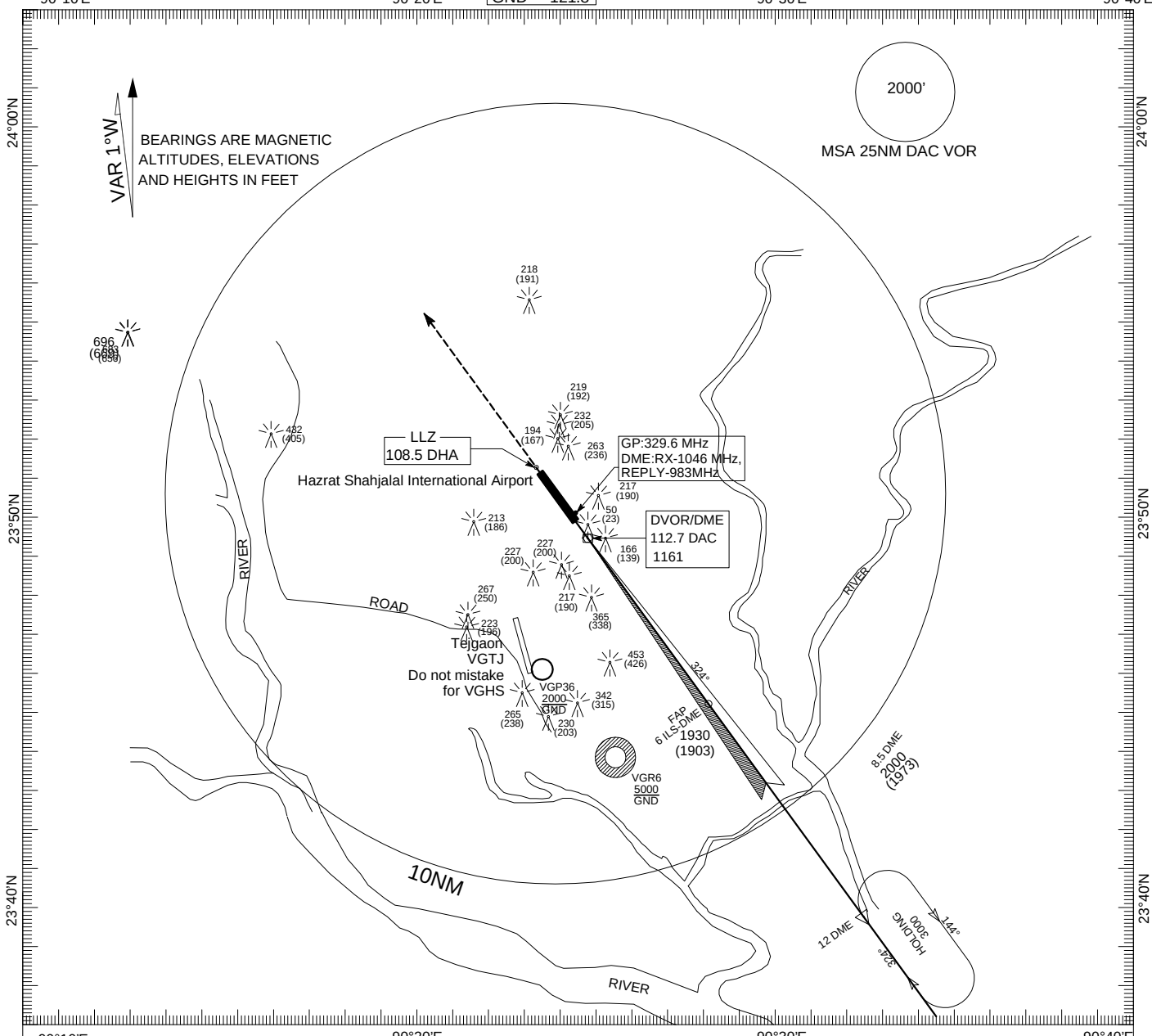
CAT		A	B	C	D
SPEED	KNOTS	90	120	150	180
RATE OF DESCENT	FT/MIN	480	635	795	955
MET MINIMA (m)	BALS	1200m			
	NALS	1400m			
	GP OUT	2000m(CAT A &B) & 2400m (CAT C &D)			

INSTRUMENT
APPROACH
CHART - ICAO

ELEV 27 FT
HEIGHTS RELATED
TO AD ELEV

ATIS	127.4
ACC(U)	125.7
ACC(L)	126.7
APP	121.3
TWR	118.3
GND	121.8

DHAKA, BANGLADESH
HAZRAT SHAHJALAL INTERNATIONAL AIRPORT
VOR/DME/ILS(2) RWY 32



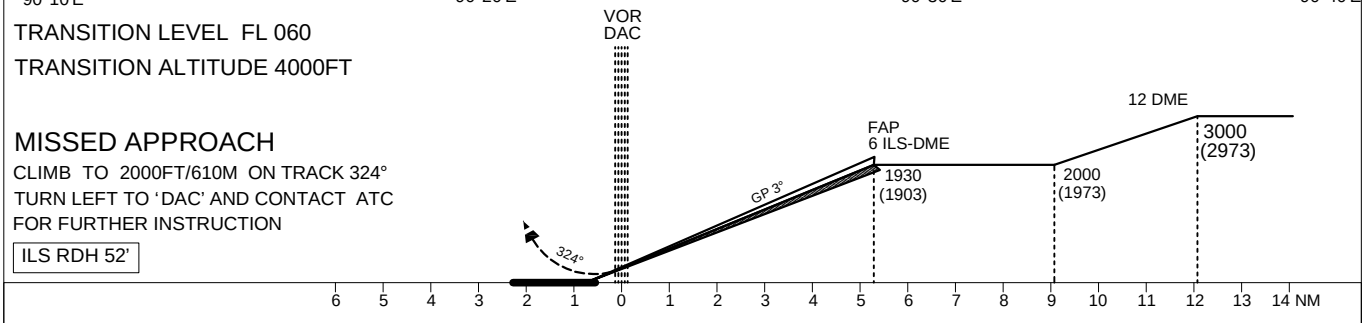
TRANSITION LEVEL FL 060

TRANSITION ALTITUDE 4000FT

MISSED APPROACH

CLIMB TO 2000FT/610M ON TRACK 324°
TURN LEFT TO 'DAC' AND CONTACT ATC
FOR FURTHER INSTRUCTION

ILS RDH 52'



CATEGORY OF ACFT		A	B	C	D
OCA(OCH)	FULL	300 (270)	310 (280)	320 (290)	330 (300)
	GP OUT	350	350	350	350

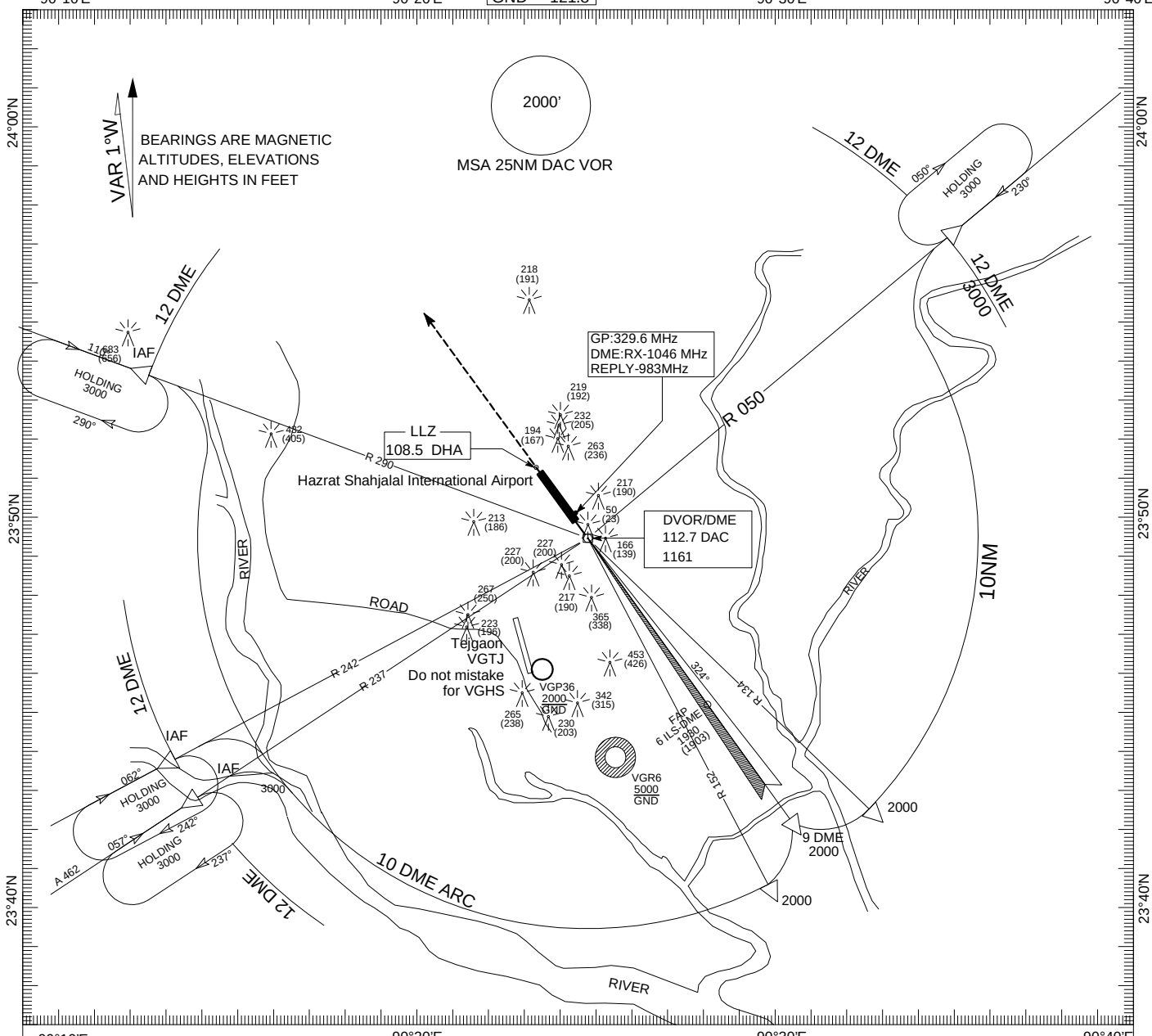
CAT		A	B	C	D
SPEED	KNOTS	90	120	150	180
RATE OF DESCENT	FT/MIN	480	635	795	955
MET MINIMA (m)	BALS	1200m			
	NALS	1400m			
	GP OUT	2000m(CAT A &B) & 2400m (CAT C &D)			

INSTRUMENT
APPROACH CHART
CHART-ICAO

ELEV 27 FT
HEIGHTS RELATED
TO AD ELEV

ATIS	127.4
ACC(U)	125.7
ACC(L)	126.7
APP	121.3
TWR	118.3
GND	121.8

DHAKA, BANGLADESH
HAZRAT SHAHJALAL INTERNATIONAL AIRPORT
VOR/DME-ARC/ILS RWY 32



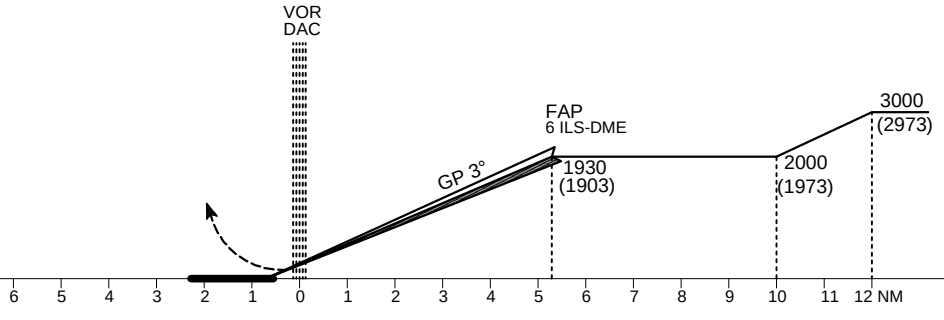
TRANSITION LEVEL FL 060

TRANSITION ALTITUDE 4000FT

MISSED APPROACH

CLIMB TO 2000FT/610M ON TRACK 324°
TURN LEFT TO 'DAC' AND CONTACT ATC
FOR FURTHER INSTRUCTION

ILS RDH 52'



CATEGORY OF ACFT		A	B	C	D
OCA(OCH)	FULL	300 (270)	310 (280)	320 (290)	330 (300)
	GP OUT	350	350	350	350

CAT		A	B	C	D
SPEED	KNOTS	90	120	150	180
RATE OF DESCENT	FT/MIN	480	635	795	955
MET MINIMA (m)	BALS	1200m			
	NALS	1400m			
	GP OUT	2000m(CAT A &B) & 2400m (CAT C &D)			

AD 2 AERODROMES

VGEG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VGEG –SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG

VGEG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATION DATA

1	ARP and its site	221525.28N 0914919.95E, on the RWY
2	Direction and distance from city	South of City Railway Station; 10 NM
3	AD elevation and reference temperature	ELEV : 14 FT T : 32° C (April)
4	MAG VAR	1^0 W in 1985 (Annual change negligible)
5	AD Operator, address, telephone, telefax , AFS	Civil Aviation Authority of Bangladesh Postal Address: Shah Amanat International Airport, Chittagong, Bangladesh. Telephone : APM : +88 02 41350100 Control Tower : +88 02 41350105 Fax : +88 02 41350101 E-mail : apmctg@caab.gov.bd AFS :VGEGYDYX
6	Types of traffic permitted	IFR/VFR
7	Remarks	Nil

VGEG AD 2.3 OPERATIONAL HOURS

OPERATIONAL HOURS		
Sl. Nr	Service	Hours
1	Aerodrome Operator	0900 LT to 1700 LT except FRI, SAT and public holidays
2	Custom and Immigration	HO
3	Health and sanitation	HO
4	AIS briefing office	HO
5	ATS reporting office (ARO)	HO
6	MET briefing office	H24
7	Air Traffic Service	HO
8	Fuelling	HO
9	Handling	HO
10	Security	HO
11	De-icing	NIL
12	Remarks	NIL

VGEG AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Manual handling
2	Fuel and Oil types	SAG 100/130, JET A-1, AVGas 100 LL, Limited Quantity stored in drums.
3	Fuelling facilities and capacity	Hydrant dispenser, Bowser refuelling,
4	De-icing facilities	NIL requirement
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

VGEG AD 2.5 PASSENGER FACILITIES

1	Hotels at or in the vicinity of the AD	Nil at the Airport, AVBL in Chittagong city.
2	Restaurant at or in the vicinity of the AD	AVBL
3	Transportation possibilities	Yes
4	Medical facilities	First aid treatment AVBL
5	Bank and Post Office at or in the vicinity of the AD	AVBL
6	Tourist office	AVBL
7	Remarks	Nil

VGEG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD Category for fire fighting	CAT: 7 AVBL: 7
2	Rescue equipment	AVBL to meet the ICAO requirement for CAT 7 and CAT 8
3	Disabled Aircraft Removal	Nil
4	Remarks	AD CAT 8 for firefighting is maintained as and when required.

VGEG AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

1	Designation	Chittagong Control Zone
	Lateral limits	A circle of 25 NM radius centered at Chittagong VOR (221527.90N 0914938.98E)
2	Vertical limits	GND to FL 145 AGL
3	Airspace Classification	C
4	ATS unit call sign Language (S)	Chittagong Tower English
5	Transition altitude	4000ft
6	Remarks	Nil

1	Designation	Air Traffic Zone (ATZ)
	Lateral limits	ATZ is oval shaped area joining outer tangents of 5 NM (9KM) radius circles centred at the RWY centre and both ends of RWY.
2	Vertical limits	4000 ft ALT
3	Airspace Classification	C
4	ATS unit call sign Language (S)	Chittagong Tower English
5	Transition altitude	4000 ft
6	Remarks	Nil

VGEG AD 2.18 AIR TRAFFIC SERVICES COMMUNICATIONS FACILITIES

Service designator	Call Sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
Aerodrome and Approach Control (Non-radar)	Chittagong Tower	118.4 MHz (PRI) 119.4 MHz (SRY)	HO	EMERG 121.5 MHz EM:A3
Surface Movement Control (SMC)	Chittagong Ground	121.8 MHz	HO	EM : A3
ATIS	Chittagong Information	127.6 MHz	HO	

VGEG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid variation	Ident	Frequency	Opr hr	Coordinates	Elev (FT) of DME Transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR	CTG	113.4 MHz	H24	22°15'27.90" N 91°49'38.98" E	---	373 M FM THR RWY 23, EM: A2
DME (En-route)	CTG	1168 MHz	H24	22°15'27.90" N 91°49'38.98" E	44	Co-located with D/VOR, EM : P9
NDB	EG	287 KHz	H24	22°15'10.30" N 91°49'32.85" E	---	656 M FM THR RWY 23, EM: AO/A2
ILS/LLZ RWY 23	ICG	110.5 MHz	HO	22°14'20.94" N 91°48'02.18" E	---	280m FM THR RWY 05
ILS/GP RWY 23	---	329.6 MHz	HO	22°15'20.49" N 91°49'20.45" E	---	Glide slope 3^0, 120M off set to east of RWY center line and 355 M inward FM THR 23, RDH 61ft
ILS DME RWY 23	ICG	1003 MHz	HO	---	---	Co-located with GP

VGEG AD 2.20 LOCAL TRAFFIC REGULATIONS

Prior approval to be obtained from ATC

VGEG AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VGEG AD 2.22 FLIGHT PROCEDURES

As directed by ATC

VGEG AD 2.23 ADDITIONAL INFORMATION

Smoke from brick fields on short final runway-23	There are few brick fields on the eastern side of karnafuli river which falls on the approach path of RWY-23, occasional smoke from the brick fields might reduce visibility on the approach. All pilots are, therefore, advised to exercise caution during approach on RWY-23.

LIST OF HIGH MAST/ TOWER/HILL/CHIMNEY/ BUILDING/ BARRIER/ ANTENNA AROUND SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG.

SL Nr.	Name of the significant obstacles/obstructions	Co-ordinates of the Obstacle	True Bearing FM REF point	Dist (m) FM ref Point	Elevation AMSL (FT)	LGT
1.	Control Tower	22°14'41.74" N 91°48'48.42" E	214°	1611	120.52	YES
2.	Water Tank	22°14'46.10" N 91°49'01.64" E	203°	1315	150.73	YES
3.	Radar Antenna	22°14'33.10" N 91°48'50.13" E	208°	1815	124.37	YES
4.	GP Antenna, RWY-23	22°15'20.49" N 91°49'20.45" E	174°	148	63.36	YES
5.	NDB Mast	22°15'10.30" N 91°49'32.85" E	141°	593	65.17	YES
6.	DVOR Mast	22°15'27.90" N 91°49'38.98" E	081°	556	43.77	YES
7.	GCA Radar	22°15'11.21" N 91°48'54.80" E	239°	833	61.67	NO
8.	Boat Club	22°15'55.18" N 91°49'46.12" E	038°	1167	52.70	YES
9.	C&E Squadron Building	22°15'29.86" N 91°49'01.47" E	285°	557	134.08	YES
10.	Robi Antenna, Laldiarchar	22°15'25.77" N 91°49'47.71" E	089°	796	125.08	YES
11.	Grameen Antenna, Bijoy Nagar	22°14'53.65" N 91°49'27.20" E	168°	1000	150.05	YES
12.	Radar Mast, Naval Academy	22°13'38.22" N 91°48'01.88" E	214°	3982	180.05	YES
13.	High Tension Grid Line, Salt Gola Crossing	22°18'11.82" N 91°47'47.90" E	332°	5760	343.52	YES
14.	High Tension Grid Line, Char Lakkha	22°18'04.96" N 91°48'13.40" E	339°	5260	338.82	YES
15.	BTCL Tower, T&T Head Office	22°19'29.18" N 91°48'41.15" E	351°	7575	393.78	YES
16.	Radisson Blue	22°20'54.18" N 91°49'23.15" E	0.52°	10112	353.65	YES
17.	BTCL Tower, Paradise Hill	22°20'20.33" N 91°50'02.89" E	007°	9167	409.94	YES
18.	Wide Mobile Tower, Crossing, Patia	22°17'34.99" N 91°52'22.51" E	052°	6575	211.63	YES
19.	Prilling Tower, Anwara	22°13'03.21" N 91°49'37.68" E	173°	4389	278.03	YES
20.	High Tension Grid Line, Fakirnir Hat	22°16'25.05" N 91°50'52.98" E	049	2759	126.05	YES

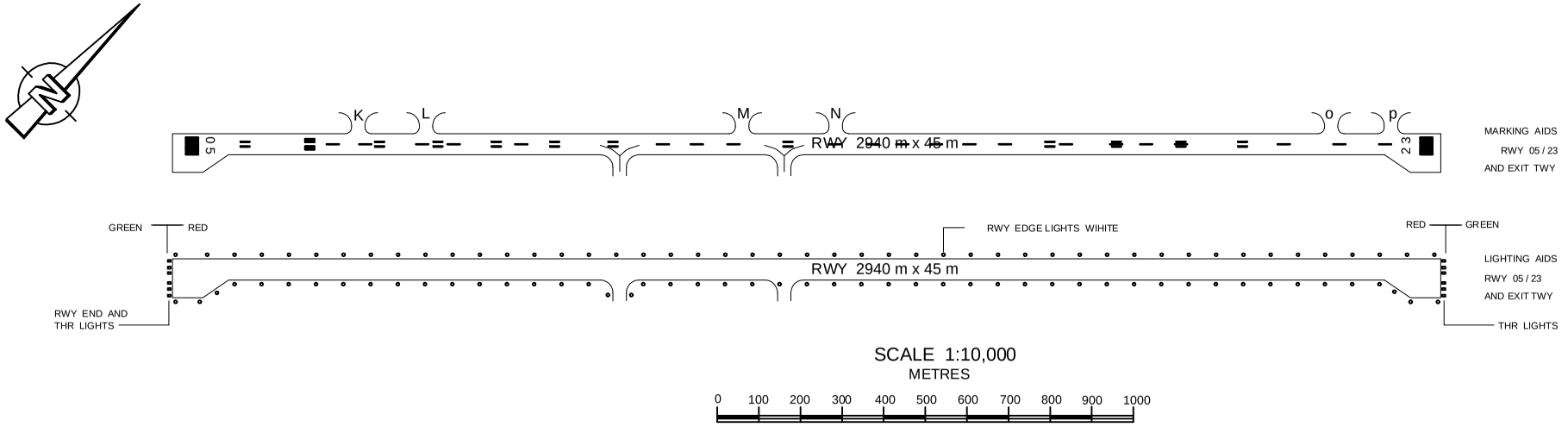
VGEG AD 2.24 CHARTS RELATED TO SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG

ICAO CHARTS		
NR	**Chart Type**	**Page NR (VGEG)**
1.	Aerodrome Chart	AD 2-11
2.	Parking Chart	AD 2-13
3.	Aerodrome Obstacle Chart–ICAO Type A	AD 2-14
4.	Instrument Approach Chart	AD 2-15 to AD 2 -29

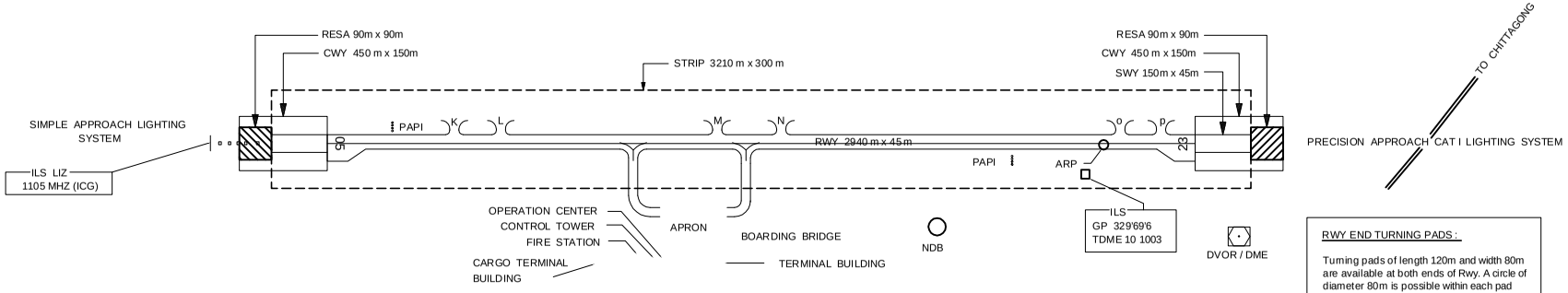
AERODROME CHART-ICAO

SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG

MAGNETIC VARIATION 1° W



SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG



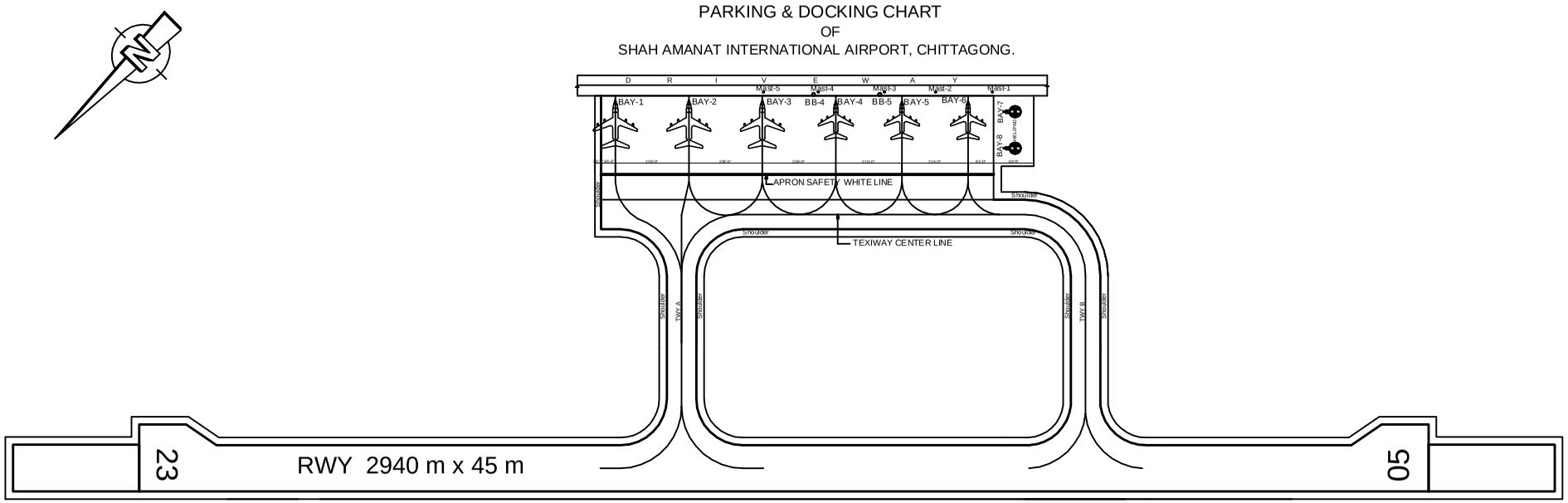
RWY END TURNING PADS :

Turning pads of length 120m and width 80m are available at both ends of Rwy. A circle of diameter 80m is possible within each pad

PARKING AND DOCKING CHART

SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG

MAGNETIC VARIATION 1° W



BAY 1-22°14'51.18"N, 091°48'58.02"E
BAY 2-22°14'49.56"N, 091°48'56.10"E
BAY 3-22°14'48.00"N, 091°48'54.30"E
BAY 4-22°14'46.26"N, 091°48'52.50"E
BAY 5-22°14'44.88"N, 091°48'50.88"E
BAY 6-22°14'43.56"N, 091°48'48.90"E
BAY 7-22°14'43.26"N, 091°48'47.64"E
BAY 8-22°14'44.10"N, 091°48'46.86"E

Electrical Mast Hight 25m

Mast 1-22°14'43.20"N, 091°48'48.42"E
Mast 2-22°14'44.28"N, 091°48'50.04"E
Mast 3-22°14'45.42"N, 091°48'51.12"E
Mast 4-22°14'46.80"N, 091°48'53.04"E
Mast 5-22°14'47.94"N, 091°48'54.36"E

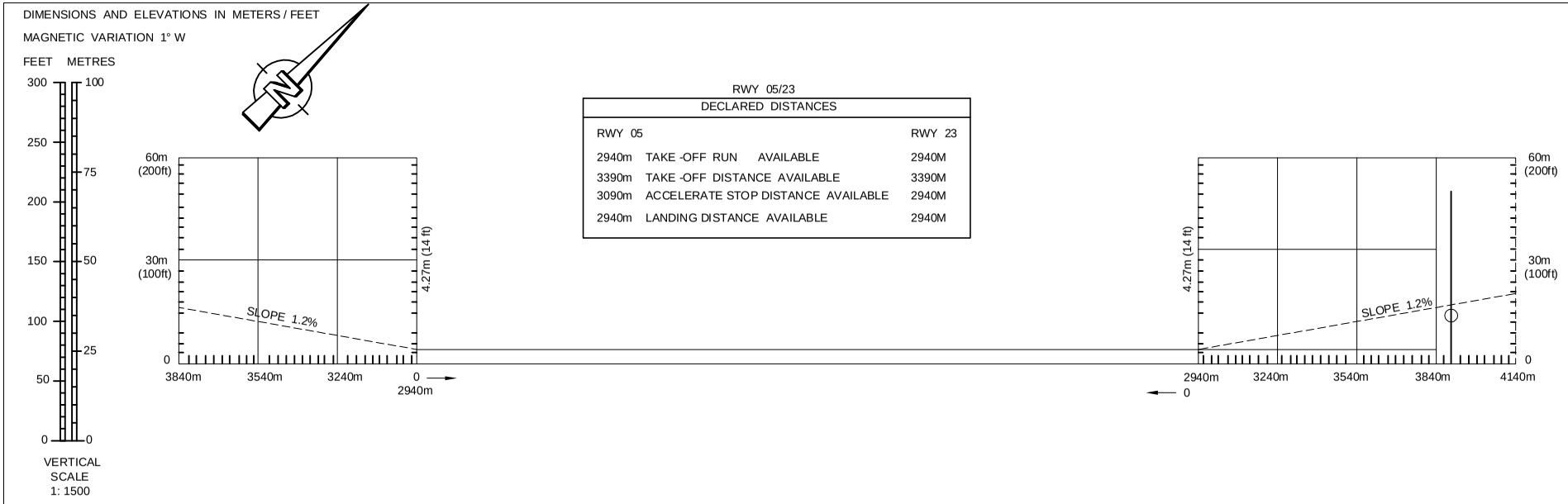
BB 4-22°14'46.98"N, 091°48'51.72"E
BB 5-22°14'45.60"N, 091°48'51.12"E

AERODROME OBSTACLE CHART - ICAO TYPE A

SHAH AMANAT INTERNATIONAL AIRPORT, CHITTAGONG

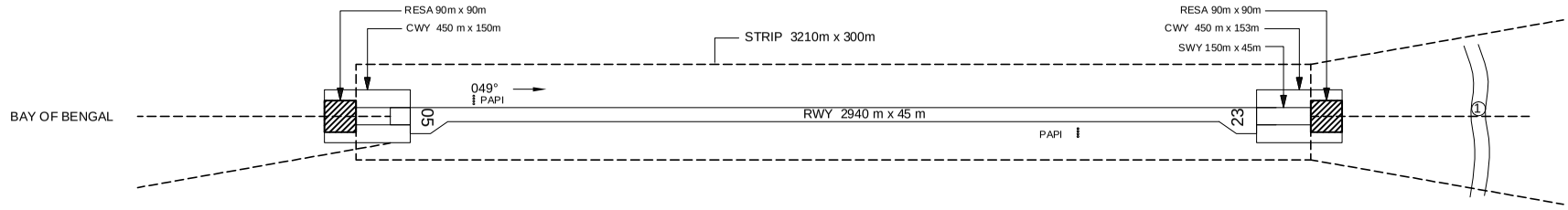
DIMENSIONS AND ELEVATIONS IN METERS / FEET

MAGNETIC VARIATION 1° W



RWY 05/23

DECLARED DISTANCES		
RWY 05		RWY 23
2940m	TAKE -OFF RUN AVAILABLE	2940M
3390m	TAKE -OFF DISTANCE AVAILABLE	3390M
3090m	ACCELERATE STOP DISTANCE AVAILABLE	2940M
2940m	LANDING DISTANCE AVAILABLE	2940M



LEGEND

IDENTIFICATION NUMBER	1
LARGE RIVER	
TREE OF SHAUB	
MOBILE OBSTRUCTION	

HORIONTAL SCALE: 1:15,0000

METRES

0 500 1000 1500 2000 2500

0 1000 2000 3000 4000 5000 6000 7000 8000

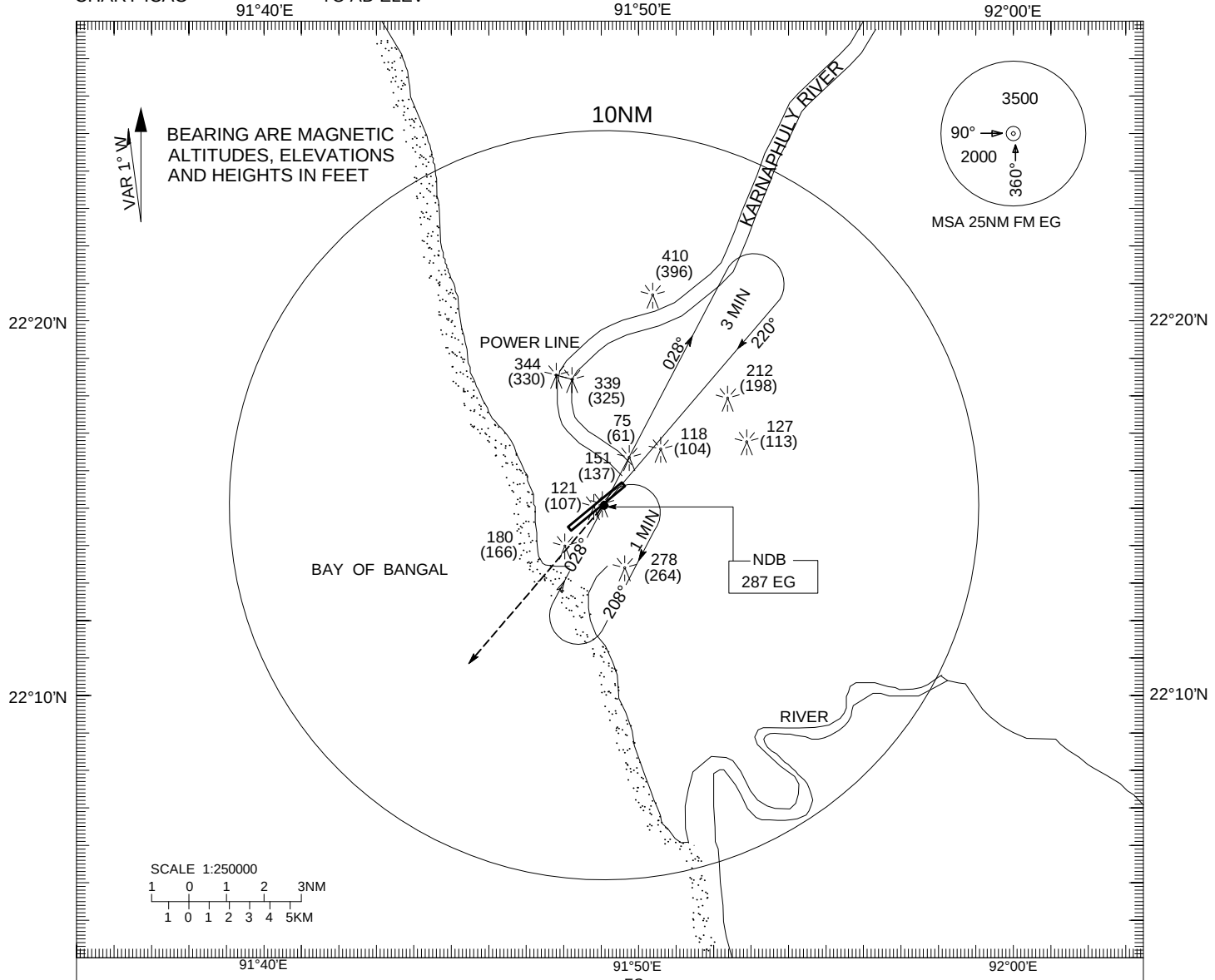
FEET

INSTRUMENT
APPROACH CHART
CHART-ICAO

ELEV 14FT
HEIGHTS RELATED
TO AD ELEV

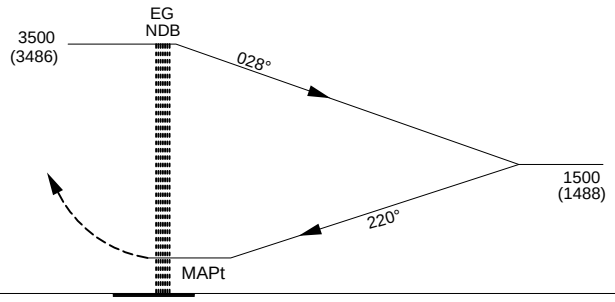
TWR 118.4(PRI)
119.4(SRY)

CHITTAGONG, BANGLADESH
SHAH AMANAT INT'L. AIRPORT
NDB Rwy 23



TRANSITION LEVEL FL060
TRANSITION ALTITUDE 4000FT

MISSED APPROACH
CLIMB TO 1500FT/457m ON
TRACK 220° CONTACT ATC FOR
FURTHER INSTRUCTION



7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10 NM

CATEGORY OF ACFT		A	B	C	D
OCA		470	470	470	470
Speed	KNOTS	<91	91-120	121-140	141-165
Met Minima (With full Facilities)	VIS(m)	1600	2000	2400	2400

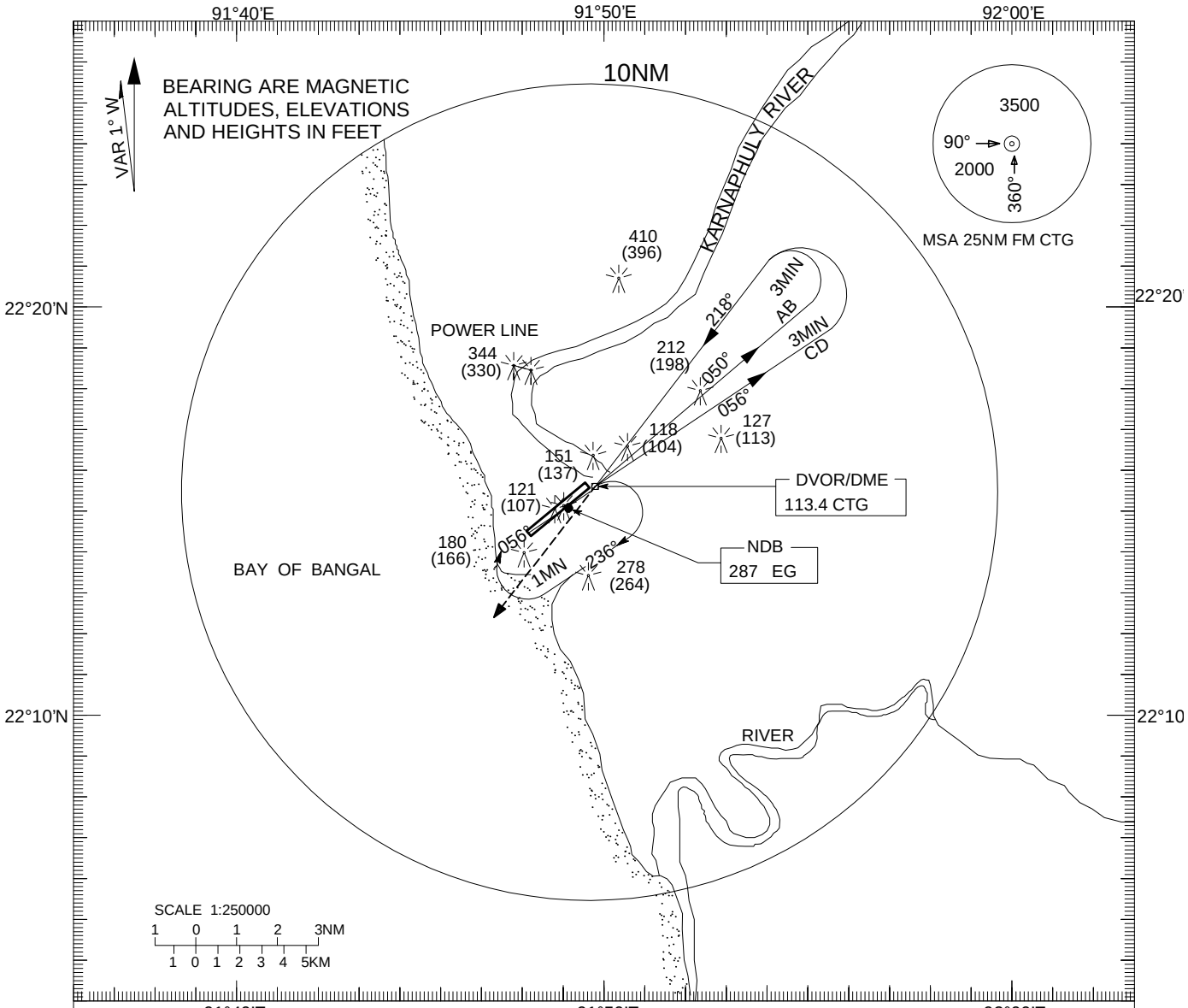
NOTE :-
CAUTION FOR PASSING SHIPS AT THE APPROACH AREA RWY 23 MAST HEIGHT 150FT AMSL APRX.

INSTRUMENT
APPROACH CHART
CHART-ICAO

ELEV 14FT
HEIGHTS RELATED
TO AD ELEV

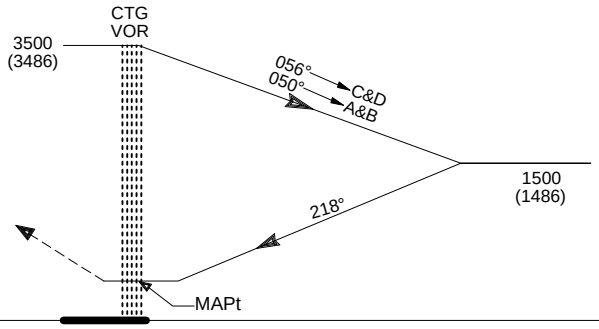
TWR 118.4(PRI)
119.4(SRY)

CHITTAGONG,BANGLADESH
SHAH AMANAT INT'L. AIRPORT
VOR Rwy 23



TRANSITION LEVEL FL060
TRANSITION ALTITUDE 4000FT

MISSED APPROACH
CLIMB TO 1500FT/457m ON
TRACK 220° CONTACT ATC FOR
FURTHER INSTRUCTION



7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10 NM

CATEGORY OF ACFT		A	B	C	D
OCA		520	520	520	520
Speed	KNOTS	91	91-120	121-140	141-165
Met Minima	VIS(m)	1600	2000	2400	2400
(With full Facilities					

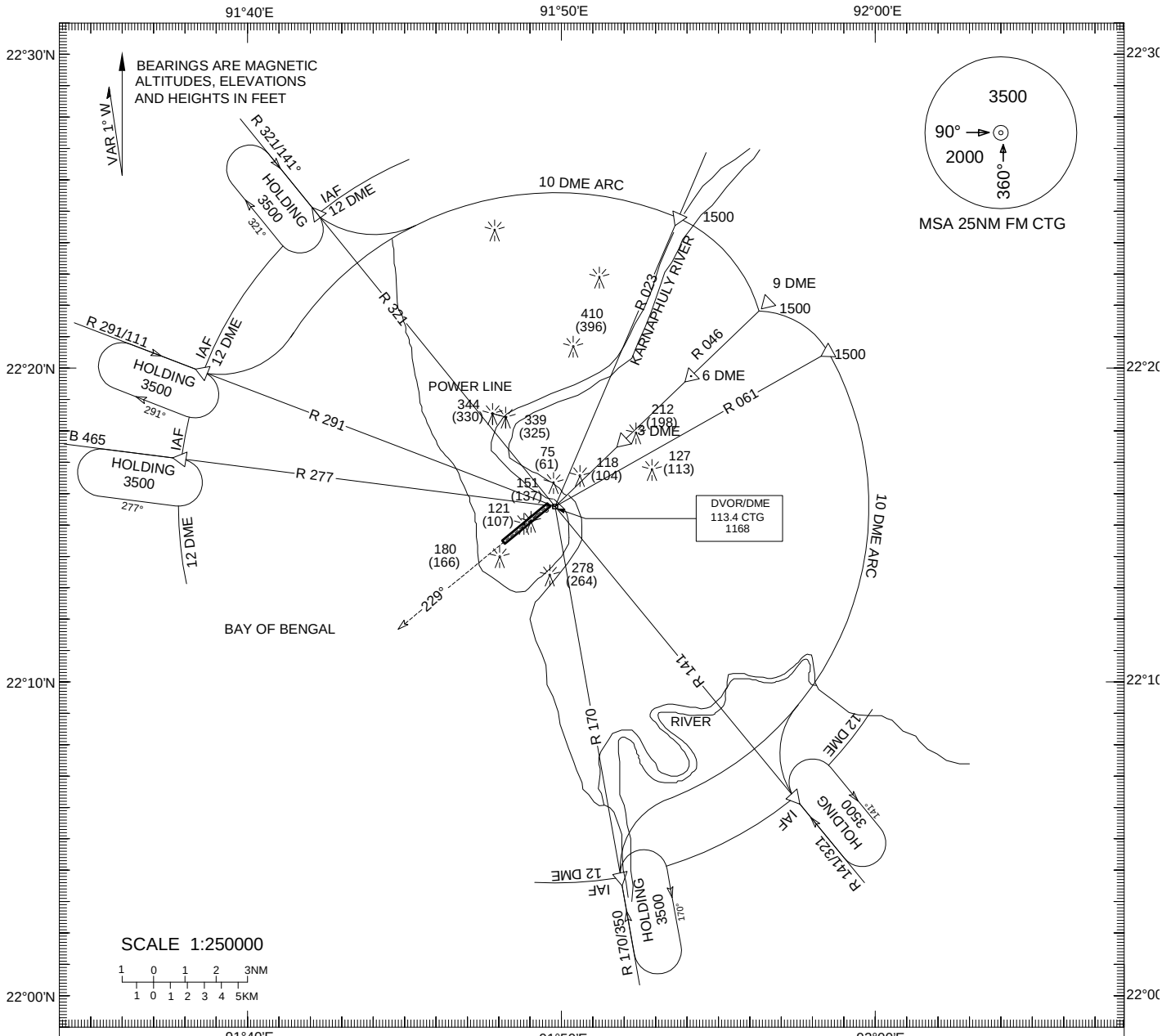
NOTE :-
CAUTION FOR PASSING SHIPS AT THE APPROACH AREA RWY 23 MAST HEIGHT 150FT AMSL APRX.

INSTRUMENT
APPROACH
CHART-ICAO

ELEV 14 FT
HEIGHTS RELATED
TO AD ELEV

TWR 118.4(PRI)
119.4(SRY)

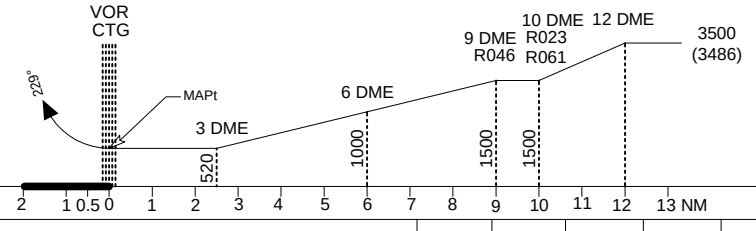
CHITTAGONG,BANGLADESH
SHAH AMANAT INT'L. AIRPORT
VOR DME-ARC Rwy 23



TRANSITION LEVEL FL 060
TRANSITION ALTITUDE 4000FT

MISSED APPROACH

CLIMB TO 2000FT/610M ON
TRACK 229° CONTACT ATC
FOR FURTHER INSTRUCTION



CATEGORY OF ACFT		A	B	C	D
OCA		520	520	520	520
SPEED	KNOTS	91	91-120	121-140	141-165
MET MINIMA (With full Facilities)	VIS(m)	1600	2000	2400	2800

NOTE :-
CAUTION FOR PASSING SHIPS AT THE APPROACH AREA RWY 23 MAST HEIGHT APRX.150FT AMSL DISTANCE APRX.1000m FROM THR RWY 23

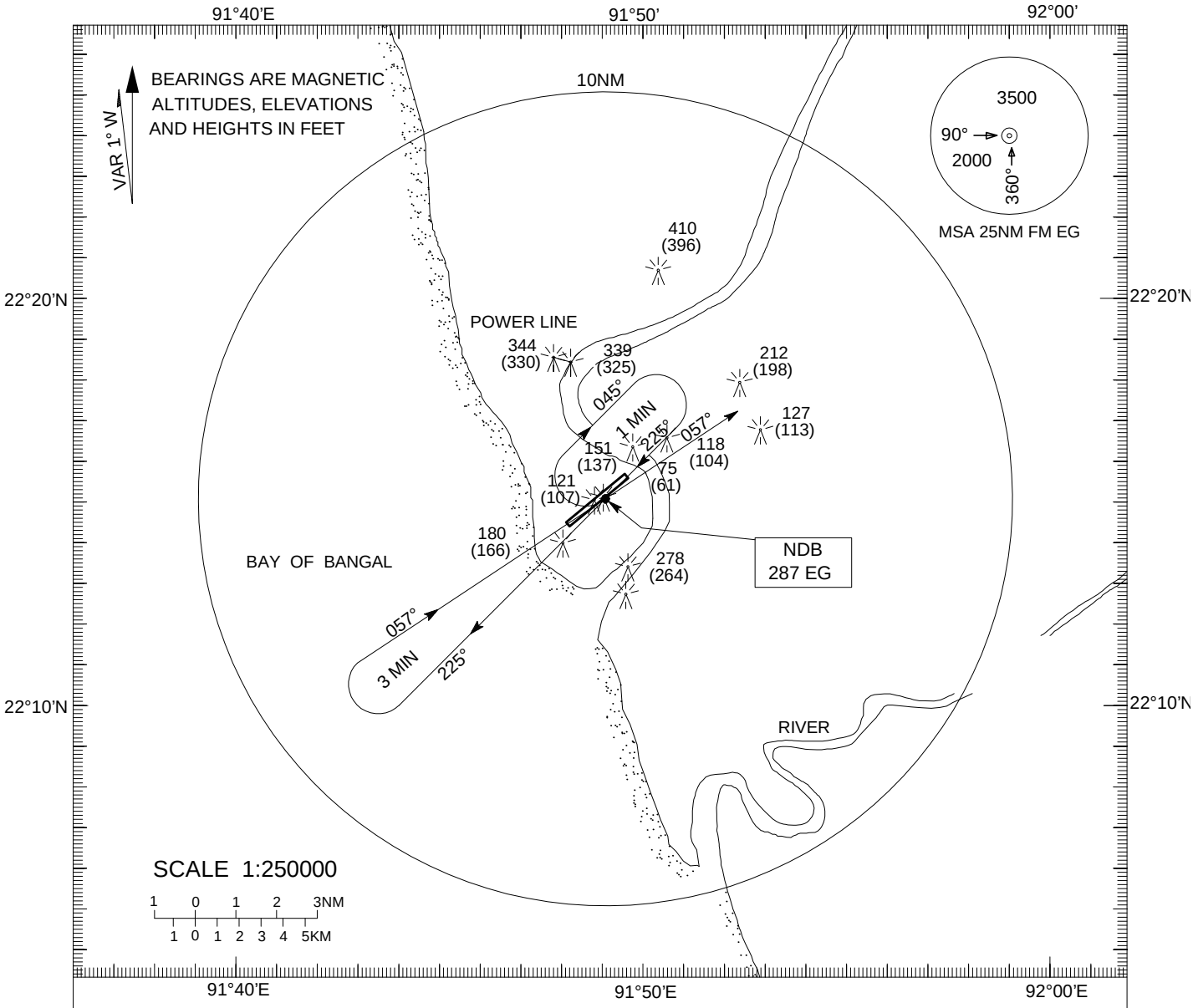
INSTRUMENT APPROACH CHART-ICAO

ELEV 14FT
HEIGHTS RELATED TO AD ELEV

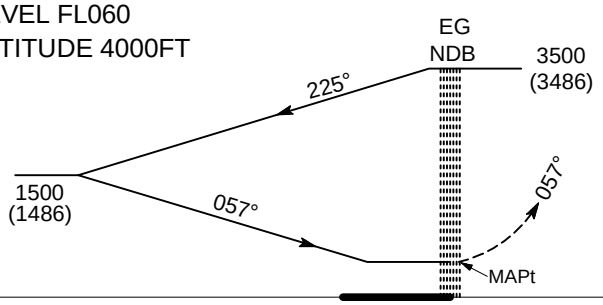
TWR 118.4(PRI)
119.4(SRY)

CHITTAGONG,BANGLADESH

SHAH AMANAT INT'L. AIRPORT
NDB Rwy 05



TRANSITION LEVEL FL060
TRANSITION ALTITUDE 4000FT



MISSED APPROACH

CLIMB TO 1500FT/457M ON TRACK 057° CONTACT ATC FOR FURTHER INSTRUCTION

7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10NM

CATEGORY OF ACFT		A	B	C	D
OCA		430	430	430	430
Speed	KNOTS	⟨91	91-120	121-140	
Met Minima (Basic facilities)	VIS(m)	1600	2000	2400	2800

NOTE :-
CAUTION FOR PASSING SHIPS AT THE APPROACH AREA RWY 05 MAST HEIGHT 150FT AMSL APRX

INSTRUMENT
APPROACH
CHART-ICAO

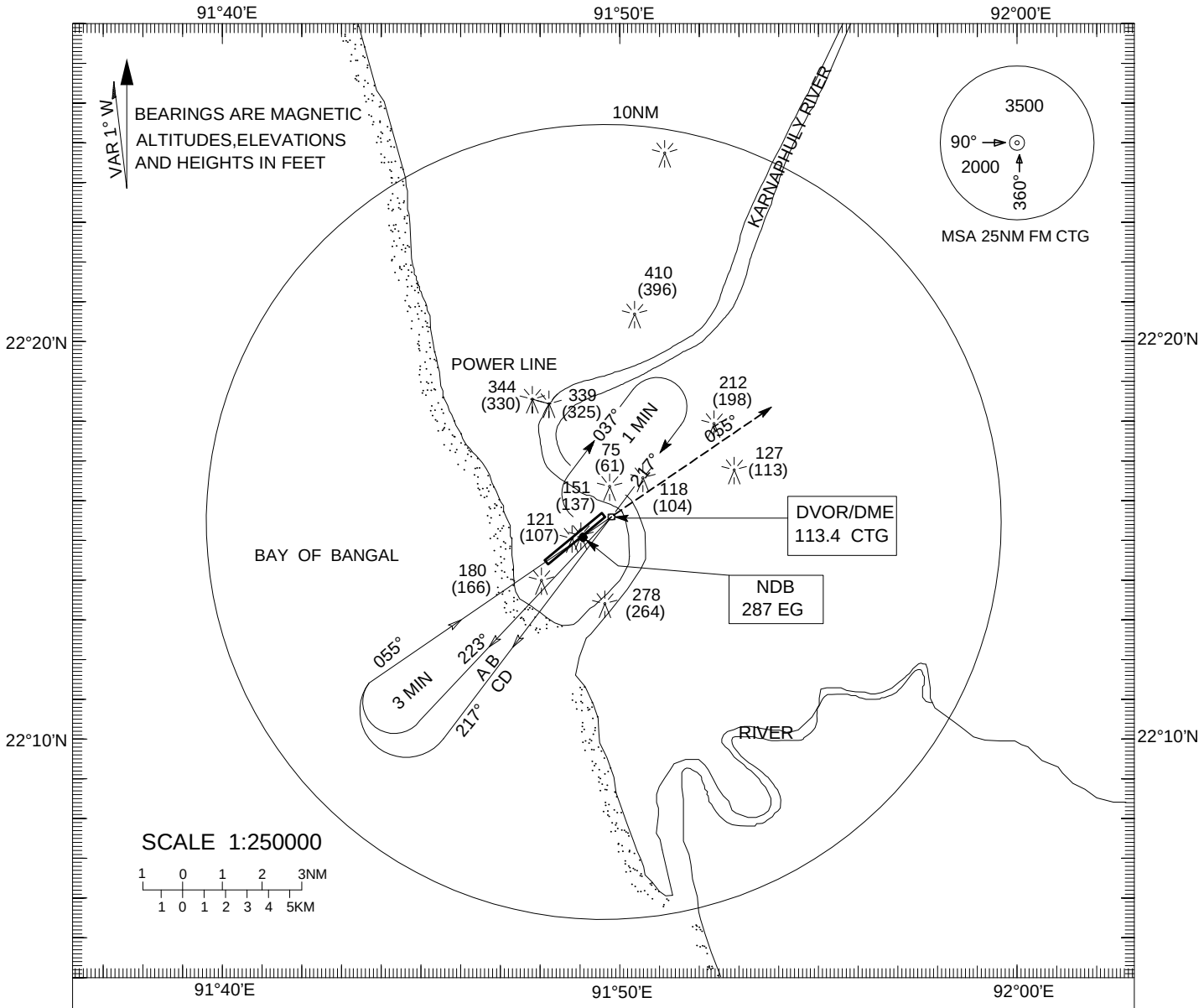
ELEV 14FT
HEIGHTS RELATED
TO AD ELEV

TWR 118.4(PRI)
119.4(SRY)

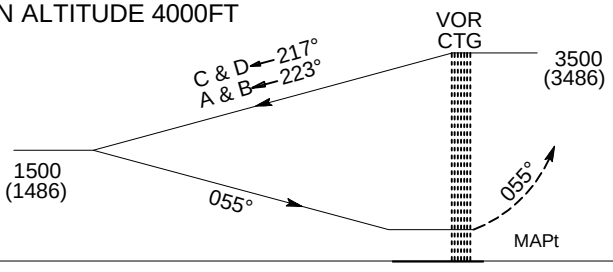
CHITTAGONG,BANGLADESH

SHAH AMANAT INT'L. AIRPORT

VOR Rwy 05



TRANSITION LEVEL FL060
TRANSITION ALTITUDE 4000FT



MISSED APPROACH

CLIMB TO 2000FT/610M ON TRACK 055° CONTACT ATC FOR FURTHER INSTRUCTION

8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10 NM

CATEGORY OF ACFT		A	B	C	D
OCA		520	520	520	520
Speed	KNOTS	91	91-120	121-140	141-165
Met Minima (Basic facilities)	VIS(m)	1600	2000	2400	2800

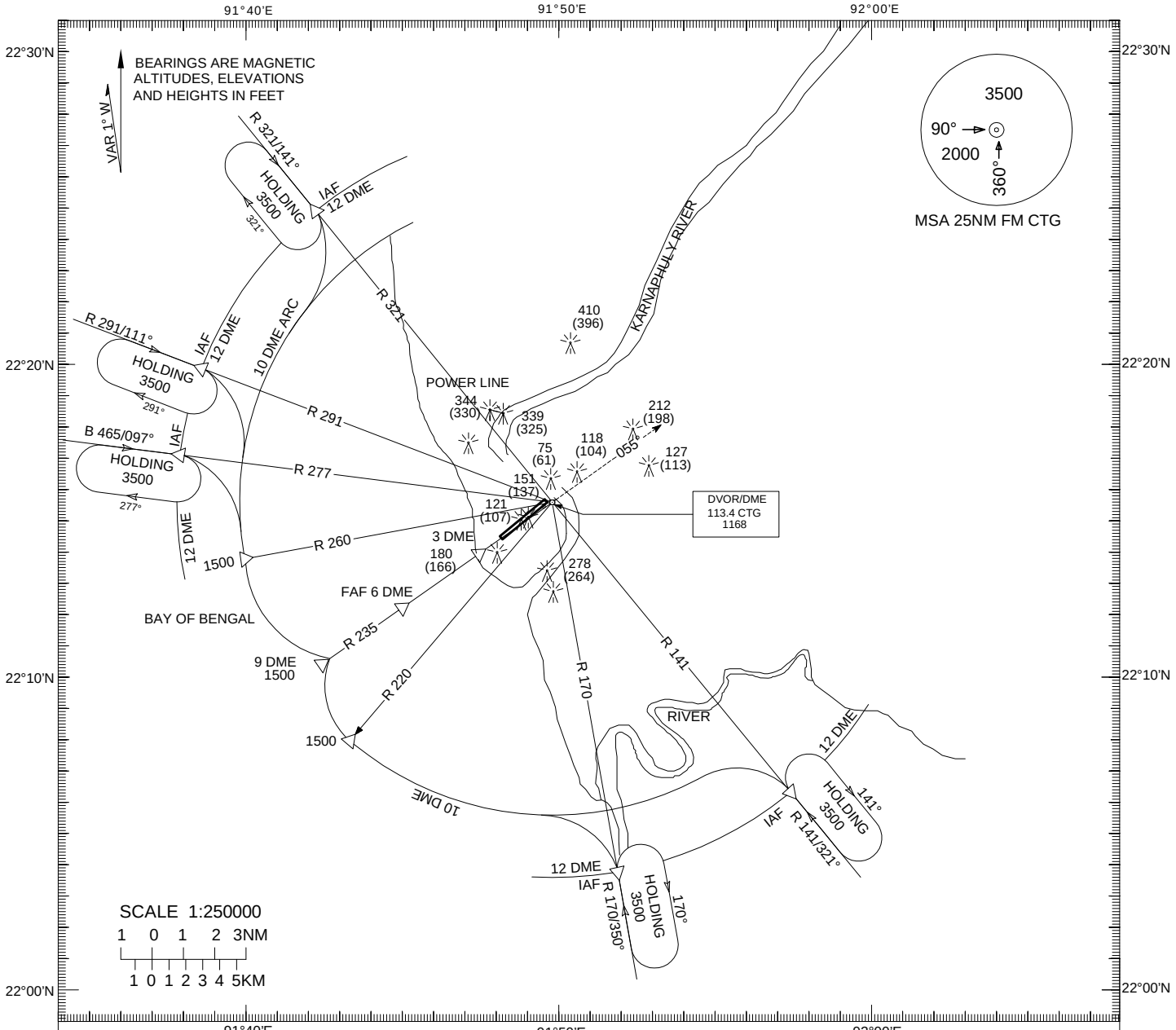
NOTE :-
CAUTION FOR PASSING SHIPS AT THE APPROACH AREA RWY 23 MAST HEIGHT 150FT AMSL APRX.

INSTRUMENT
APPROACH
CHART-ICAO

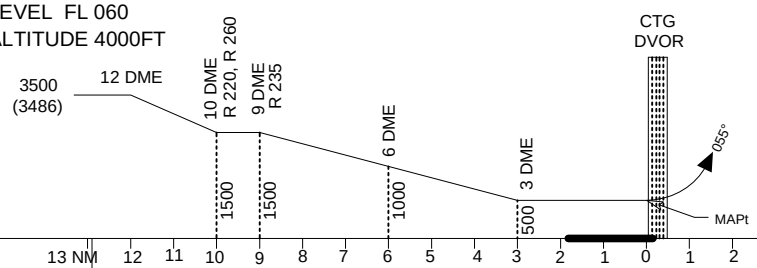
ELEV 14 FT
HEIGHTS RELATED
TO AD ELEV

TWR 118.4(PRI)
119.4(SRY)

CHITTAGONG, BANGLADESH
SHAH AMANAT INT'L. AIRPORT
VOR DME ARC Rwy 05



TRANSITION LEVEL FL 060
TRANSITION ALTITUDE 4000FT



MISSED APPROACH

CLIMB TO 2000FT/610M ON TRACK 055° CONTACT ATC FOR FURTHER INSTRUCTION

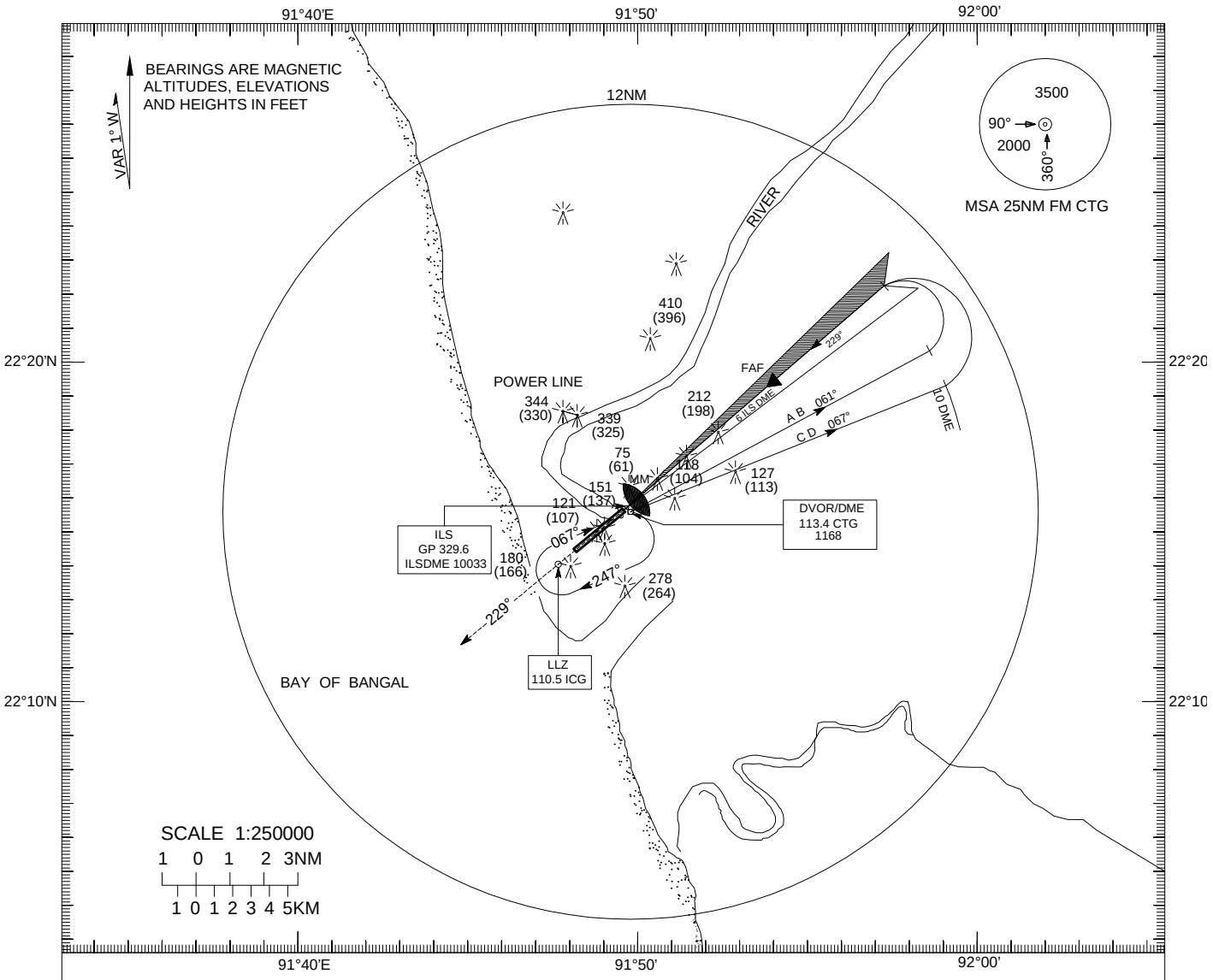
CATEGORY OF ACFT		A	B	C	D
OCA		500	500	500	500
SPEED	KNOTS	⩽91	91-120	121-140	141-165
MET MINIMA (Basic facilities)	VIS(m)	1600	2000	2400	2800

INSTRUMENT
APPROACH
CHART-ICAO

ELEV 14 FT
HEIGHTS RELATED
TO AD ELEV

TWR 118.4(PRI)
119.4(SRY)

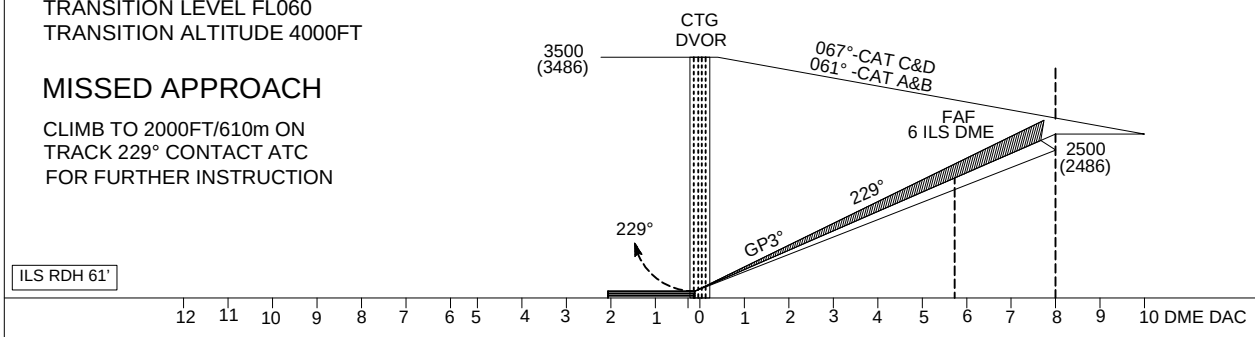
CHITTAGONG, BANGLADESH
SHAH AMANAT INT'L. AIRPORT
VOR ILS DME RWY 23



TRANSITION LEVEL FL060
TRANSITION ALTITUDE 4000FT

MISSED APPROACH

CLIMB TO 2000FT/610m ON
TRACK 229° CONTACT ATC
FOR FURTHER INSTRUCTION



CATEGORY OF ACFT			A	B	C	D
OCA	FULL		314	326	334	345
	GP OUT		430	430	430	430
DISTANCE	6 DME	5 DME	4 DME	3 DME	2 DME	1 DME
ALTITUDE	1980	1660	1342	1024	704	384
(HEIGHT)	(1966)	(1646)	(1328)	(1010)	(690)	(370)

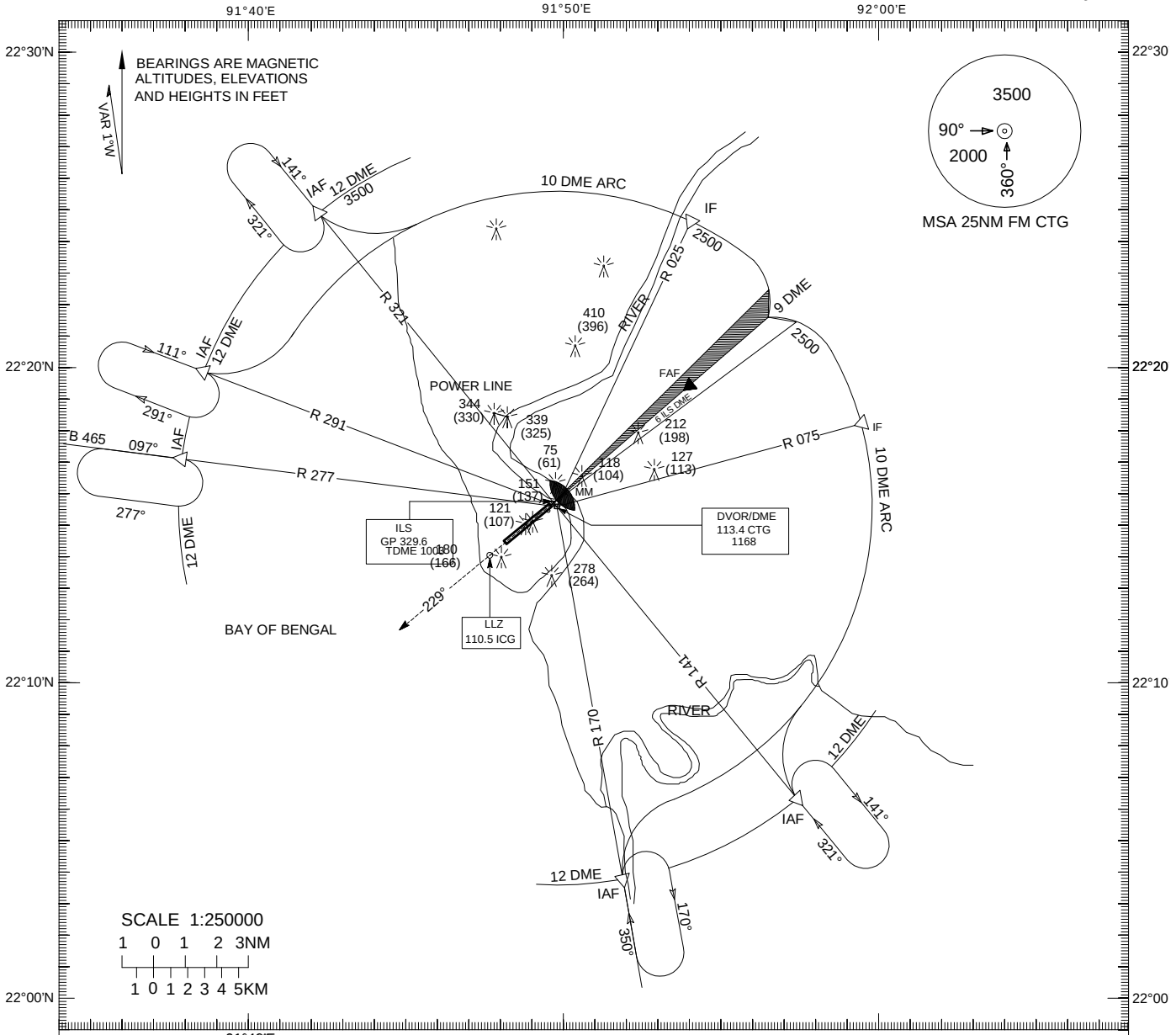
CAT		A	B	C	D
SPEED	KNOTS	90	120	150	160
RATE OF DESCENT/GS	FT/MIN	400	635	795	955
FAF TO THR 23 6.1 NM	MIN:S	4:06	3:04	2:27	2103
MET MINIMA(M) VIS (RVR)	FULL	1000(800)			
	ALS OUT	1400			
	GP OUT	2400			

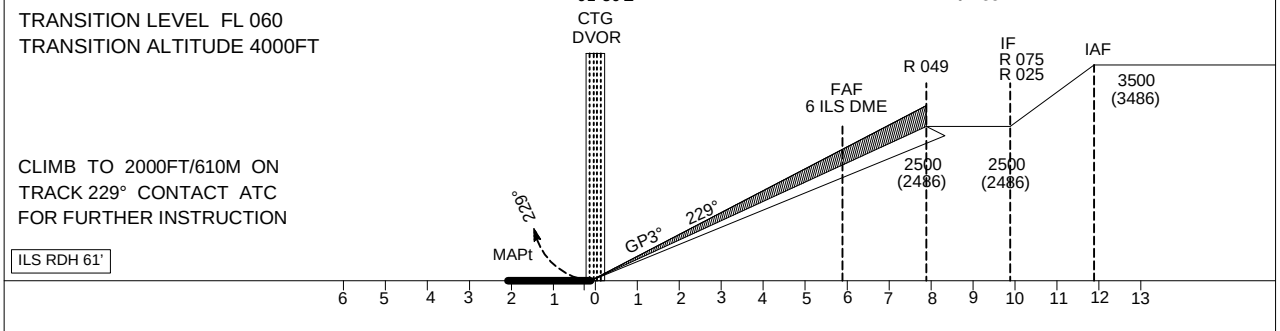
INSTRUMENT APPROACH CHART-ICAO

ELEV 14 FT
HEIGHTS RELATED TO AD ELEV

TWR 118.4(PRI)
119.4(SRY)

CHITTAGONG,BANGLADESH
SHAH AMANAT INT'L. AIRPORT
VOR ILS DME-ARC Rwy 23





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RATE OF DESCENT/GS	FT/MIN	400	635	795	955
FAF TO THR 23 6.1 NM	MIN:S	4:06	3:04	2:27	2103
MET MINIMA(M) VIS (RVR)	FULL	1000(800)			
	ALS OUT	1400			
	GP OUT	2400			

VGCB AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Stand identification/taxiway guide lines/visual docking/parking guidance	Taxiing guidance signs at all intersections TWY and RWY at all holding positions. Guidelines at apron. Nose- in guidance at aircraft stands.
2	RWY and TWY markings and LGT	RWY markings : THR, Centre line RWY designator : Both runways TWY markings : RWY holding position and TWY centre line RWY LGT : Edge LGT, THR LGT and End LGT TWY LGT : Edge LGT
3	Stop bars	NIL
4	Remarks	NIL

VGCB AD 2.10 AERODROME OBSTACLES

1	Obstruction in approach and TKOF areas	Obstruction in approach and take-off areas and circling area are shown in instrument approach charts.
2	Obstruction in the circling area and at aerodrome	

VGCB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET office	Cox's Bazar (VGCB)
2	Hours of service	HJ
3	Office responsible for TAF preparation and periods of vality	Cox's Bazar (VGCB) 6, 12
4	Type of landing forecast Interval of issuance (Hours)	½ & Special
5	Briefing/ consultation provided	P
6	Flight documentation languages used	C, PL English
7	Charts and other information available for briefing or consultation	S, U
8	Supplementary equipment available for providing information	
9	ATS units provided with information	TWR
10	Additional information	Tel: 0341-63618

VGCB AD 2.12 RUNWAYS PHYSICAL CHARACTERISTICS

RWY designations	TRUE BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY & SWY	THR Coordinates	THR elevation (FT)	Slope of RWY-SWY
1	2	3	4	5	6	7
17	170^0	2042×38	PCN 51/F/C/W/T Bituminous concrete	212740.11N 0915745.04E	12	NIL
35	350^0	2042×38		212636.79N 0915757.91E	12	
8	9	10	11	12	13	14
Designation RWY NR	SWY dimensions(m)	CWY dimensions(m)	RESA	Strip Dimensions (m)	OFZ	Remarks
17	NIL	150×150	90×76	2222×150	Within the CWY	NIL
35	60×38	300×150	90×76			

VGCB AD 2.13 DECLARED DISTANCES

RWY	TORA(m)	TODA(m)	ASDA(m)	LDA(m)	REMARKS
1	2	3	4	5	6
17	2042	2192	2042	2042	NIL
35	2042	2342	2102	2042	NIL

VGCB AD 2.14 APPROACH AND RUNWAY LIGHTING

→ RWY Edge LGT, THR LGT and PAPI LGT AVB but Approach LGT not AVBL

VGCB AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Nil
2	LDI location and LGT Anemometer location and LGT	NIL Atop control TWR, No.
3	TWY edge and center line lighting	NIL
4	Secondary power supply switch-over time	During main power supply failure, automatic standby generator power supply available within 30 seconds.
5	Remarks	Nil

VGCB AD 2.16 HELICOPTER LANDING AREA

As directed by ATC

VGCB AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

1	Designation	Aerodrome Traffic Zone (ATZ)
	Lateral limits	ATZ is oval shaped area joining outer tangents of 5 NM (9KM) radius circles centered at the RWY centre and both ends of RWY.
2	Vertical limits	4000 ft (AMSL)
→ 3	Airspace Classification	D
4	Unit/Language	Cox's Bazar Tower /English
5	Transition altitude	4000 ft
6	Remarks	Nil

VGTJ AD 2.10 AERODROME OBSTACLES

In approach/TOFF area			
Rwy affected	Obstacle type elevation	Position	LGT
35	Apartment Building 144 FT	East of extended center line 1244 m FM THR RWY 35	Yes
35	Bashundhara Building 159 FT	1.7 KM on brg 166^0 FM THR RWY-35	Yes
17	Old LOS Mast 325 FT	1 KM on brg 125^0 FM THR RWY-17	Yes

In circling area				
RWY affected	Obstacle type	Position	Marking/ LGT	Remarks
17/35	Bricks structure (Dimension 1650X75FT) 6FT	220 ft offset to the West side of RWY centre line	No	Tejgaon is adjacent to Hazrat Shahjalal International Airport (VGHS). So all the Obstructions at/around Hazrat Shahjalal will be considered as obstacles for Tejgaon (VGTJ).
17/35	Bricks structure (Dimension 1000X60FT) 4FT	220 ft offset to the West side of RWY centre line	No	
17/35	Bricks structure (Dimension 900X60FT) 4FT	220 ft offset to the West side of RWY centre line	No	
17/35	Band stand (Dimension 75X90FT) 28FT	150 ft offset to the East side of RWY centre line	No	
17/35	IDB Bhavan Antenna 325 FT	1200 ft West side of RWY centre line	Yes	

VGTJ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

2.11.1 Crews may receive weather briefing at Met office located at BAF Base Bashar.

VGTJ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

RWY Designations	True BRG	Dimensions of RWY (FT)	Strength (PCN) and surface of RWY & SWY RWY SWY	THR (Displaced) Coordinates	THR Elevation (FT)	Slope of RWY-SWY
1	2	3	4	5	6	7
17	166˚	6500X150	PCN40F/C/Y/T Bituminous Concrete	234710.63 N 0902249.19 E	24 ft	0.06%
35	346˚	6500X150	PCN40F/C/Y/T Bituminous Concrete	234608.66 N 0902308.02 E	24 ft	0.06%

RWY Designations	SWY Dimensions(ft)	CWY Dimensions(ft)	Strip Dimensions (ft)	OFZ	Remarks
	8	9	10	11	12
17	1250x150	1450x250	9850X500	Within the CWY	Nil
35	1700x150	1900x250	9850X500	Within the CWY	Nil

VGTJ AD 2.13 DECLARED DISTANCES

RWY	TORA (ft)	TODA (ft)	ASDA(ft)	LDA (ft)	Remarks
1	2	3	4	5	6
17	6500	7950	7750	6500	NIL
35	6500	8400	8200	6500	NIL

VGTJ AD 2.14 APPROACH AND RUNWAY LIGHTING

NIL

VGTJ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY.

NIL

VGTJ AD 2.16 HELICOPTER LANDING AREA

As directed by ATC

VGTJ AD 2.17 AIR TRAFFIC SERVICES, AIRSPACE

1	Designation	Air Traffic control Service
	Lateral limits	Up to 25 NM from DAC VOR BTN R185 and R285; 2 NM–To the North from threshold RWY 17; 25 NM–To the South and West (semicircular from centre of runway).
2	Vertical limits	1000FT (AMSL)
3	Airspace Classification	C
4	Call sign of the ATS Unit	Tejgaon Tower
	Language	English
5	Transition Altitude	4000 FT
6	Hours of applicability	0100 UTC to sunset
7	Remarks	Nil.

1	Designation	ATZ
	Lateral limits	2 NM–To the North from threshold RWY 17; 5 NM–To the South and West (semicircular from centre of runway).
2	Vertical limits	1000FT (AMSL)
3	Airspace Classification	C
4	Call sign of the ATS Unit	Tejgaon Tower
	Language	English
5	Transition Altitude	4000 FT
6	Hours of applicability	0100 UTC to sunset
7	Remarks	Nil.

VGTJ AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

1	Service designator	Air Traffic control service
2	Call sign	Tejgaon Tower
3	Frequency	123.0MHz (PRY) 122.9 MHz (SRY)
4	Hours of operation	0100 UTC to sunset
5	Remarks	1) Service provided by Bangladesh Air force 2) HF/RT 6826 KHz for coordination.