

SERIES 1501 AIR SHEET NF 43-5 EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES

- Over 100,000 **BOMBAY**
- 50,000 to 100,000 **QUETTA**
- 10,000 to 50,000 **Mehsana**
- 2,000 to 10,000 **Mercara**

ROADS

- Dual highway **4 LANES DUAL**
- All weather, hard surface **4 LANES**
- More than two lanes wide **3 LANES**
- Two lanes wide
- One lane wide
- All weather, loose or light surface
- More than two lanes wide
- Two lanes wide
- One lane wide
- Fair or dry weather, loose surface
- Cart track
- Footpath, trail
- Road marker

RAILROADS

- Normal gauge, single track 1.44m (4'8 1/2")
- Double track
- Narrow gauge

BOUNDARIES

- International
- First-order administrative

OTHER FEATURES

- Area name
- Mine or quarry
- Campsite, Ruins, Watermill
- School, Church, Landmark
- Mosque, Muslim shrine
- Small reservoir or cistern
- Well, Perennial, Intermittent, Spring
- Underground aqueduct with shafts
- Sakha or Dry lake, Intermittent lake
- Single line intermittent stream, Wadi
- Marsh or swamp, Land subject to inundation
- Mound, Levee
- Mudflat, Distorted surface
- Sand, flat or rolling; Sand dunes
- Horizontal contour point

VEGETATION

- Woods, brushwood, Scattered trees
- Orchard, vineyard, Scrub

HYDROGRAPHY

- Rocks, unconsolidated or washed
- Exposed rocks
- Limit of danger, Reef
- Foreshore flat
- Depth curve, Lighthouse

TERRAIN ELEVATIONS

- Spot elevation, normal, critical
- HIGHEST KNOWN elevation is **2721** feet at the following coordinates: Geographic: 22°28'N, 73°31'E; Grid: **QY47**
- ∴ following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)

- Runway pattern known
- Field limits and runway pattern unknown

HELIPORT

RADIO FACILITIES

- TACAN VOR/DME
- RADIO RANGE LF/MF
- MULTIPLE RADIO FACILITIES

CONTROLLED AIRSPACE

ADIZ

VISUAL AIDS AND OBSTRUCTIONS

- Obstruction
- 1108 Elevation of obstruction top, above sea level
- (259) Elevation of obstruction top, above ground level
- Group obstruction
- Radio facility obstruction
- Power transmission line
- Visual ground sign
- Aero light: Marine light

CAUTION

Vertical obstructions, including antennas, have been determined from the most reliable sources available. However, there is no assurance that all are shown, or that their locations are correct.

CAUTION

AIR INFORMATION CURRENT THROUGH 6 JULY 1992

Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0°30' WEST OVER THE ENTIRE AREA
(Annual rate of change, 1' decrease)

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.). In areas of extensive unreliable relief, the MEF is shown by a note spaced across the area.

EXAMPLE: 12,500 feet

12⁵

LOCATION DIAGRAM

Boundary Representation is Not Necessarily Authoritative

INDIA INDEX SHOWN IN BLUE

PAKISTAN INDEX SHOWN IN RED/BROWN

25° 59'	28° 00'	28° 15'	28° 30'	28° 45'	29° 00'
AF 42 15	AF 42 16	AF 42 17	AF 42 18	AF 42 19	AF 42 20
AF 42 21	AF 42 22	AF 42 23	AF 42 24	AF 42 25	AF 42 26
AF 42 27	AF 42 28	AF 42 29	AF 42 30	AF 42 31	AF 42 32
AF 42 33	AF 42 34	AF 42 35	AF 42 36	AF 42 37	AF 42 38
AF 42 39	AF 42 40	AF 42 41	AF 42 42	AF 42 43	AF 42 44
AF 42 45	AF 42 46	AF 42 47	AF 42 48	AF 42 49	AF 42 50

Prepared and published by the Defense Mapping Agency Topographic Center, Washington, D.C., 20315.

Compiled December 1966. Revised DMAAC January 1992.

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	304.8	2000	609.6
2000	609.6	3000	914.4
3000	914.4	4000	1219.2
4000	1219.2	5000	1524.0
5000	1524.0	6000	1828.8
6000	1828.8	7000	2133.6
7000	2133.6	8000	2438.4
8000	2438.4	9000	2743.2
9000	2743.2	10000	3048.0

USE THIS BOX FOR GIVING REFERENCES ON THE INDIAN GRID FOR REFERENCING IN OVERLAP AREAS REFER TO THE ADJOINING GRAPHIC

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 5000 METERS.

SAMPLE POINT: Village

US	QT	QU
OX	OY	OZ
40	30	30

USE THIS BOX FOR GIVING REFERENCES ON THE UNIVERSAL TRANSVERSE MERCATOR GRID

SAMPLE 1,000-METER REFERENCE

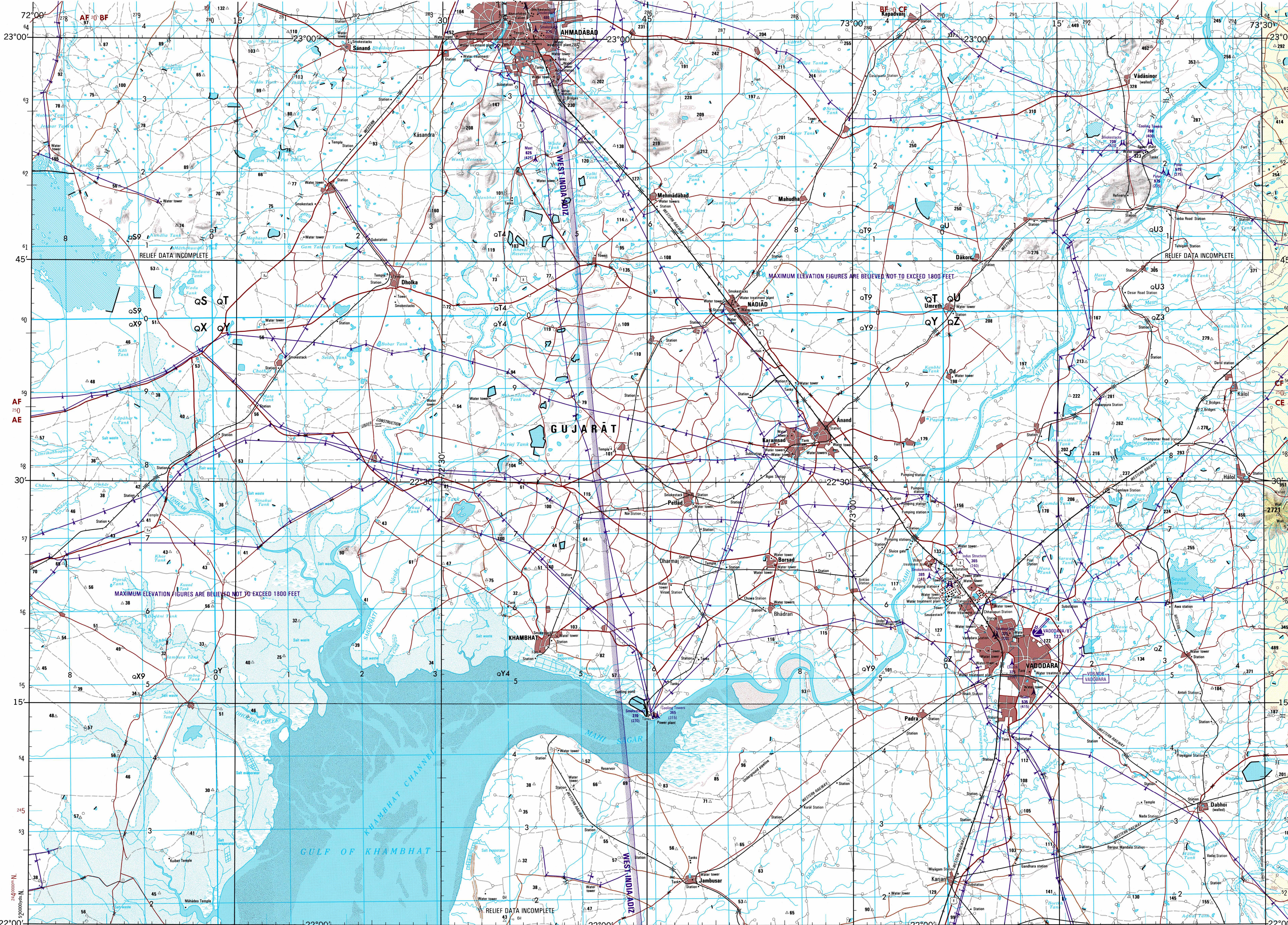
AF	BF	CF
AE	BE	CE
40	40	40

SCALE 1:250,000

VADODARA, INDIA

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JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

0 5 10 15 20 Statute Miles

0 5 10 15 20 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 200 FEET

RELIEF PARTIALLY SHOWN BY FORM LINES

BLACK NUMBERED LINES INDICATE THE 10,000-YARD INDIA ZONE 11A GRID, EVEREST ELLIPSOID.

RED-BROWN NUMBERED TICKS INDICATE THE 1,000-METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 43, WORLD GEODETIC SYSTEM ELLIPSOID.

COORDINATE CONVERSIONS FROM INDIAN DATUM EVEREST ELLIPSOID TO WGS 84 DATUM WGS ELLIPSOID

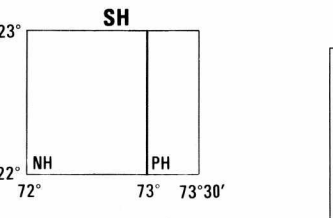
Geographic: Subarea 2 2° Long, Area 2 1° Lat.

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE IGA OPERATIONAL HELP DESK: 1-800-45-0889; COMMERCIAL 314-263-4884; DSN 693-4884 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-98, 4800 SANGHAMORE ROAD, BETHESDA, MD 20816-9003.

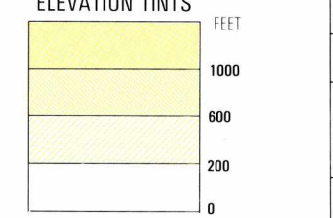
GLOSSARY

Nala stream

GEOREF BASIC 15° QUADRANGLE SH



ELEVATION TINTS



RELIABILITY OF THIS GRAPHIC

(as determined by standard practices)

PLOTTING ACCURACY	AREA 1	AREA 2
5% ASSURANCE	within	within
Horizontal	800 ft	800 ft
Vertical	200 ft	200 ft
GRAPHIC FEATURE	AREA 1	AREA 2
Content	1987	1985
At other latitudes	1987	1985

Graphic not field checked

NOTES

Powerlines are shown except within populated place limits. Other obstructions are shown, if they are 200 feet or more above ground level. See caution note.

On this graphic a line is generally considered as being 8 feet (2.5 meters) in width.

Road classification should be referred to with caution.

Horizontal Datum: Indian Datum
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

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ED NO 002