WART AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WART – SUMENEP / Trunojoyo

WART AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

ARP coordinates and site at AD	070125S 1135327E
Direction and distance from (City)	3,9 km E
Elevation/Reference temperature & Mean low temperature	14 ft / 33º C
Geoid undulation at AD ELEV PSN	NIL
MAG VAR/Annual change	1°E (2020) / 0.05° Decreasing
AD Operator, address, telephone, telefax, e-mail, AFS & website	DGCA - Trunojoyo Airport Jl. Raya Bandara Trunojoyo No. 01, Sumenep 69417 Tel : (+62328) 669956 Telefax : (+62328) 666023 E-mail : trunojoyobandara@gmail.com AFS : NIL Website : NIL
Type of traffic permitted (IFR/VFR)	IFR/VFR
Remarks	NIL

WART AD 2.3 OPERATIONAL HOURS

Aerodrome operator	0000 - 0900
Customs and immigration	NIL
Health and sanitation	0000 - 0900
AIS Briefing Office	NIL
ATS Reporting Office (ARO)	0100 - 0900
MET Briefing Office	0100 - 0900
ATS	0100 - 0900
Fuelling	On Request
Handling	0000 - 0900
Security	H24
De-icing	Not Applicable
Remarks	- Local Time : UTC + 7 HR - AIS available at AIS Surabaya Regional Office H24

WART AD 2.4 HANDLING SERVICE AND FACILITIES

Cargo - Handling facilities	NIL
Fuel/oil types	NIL
Fuelling facilities/Capacity	NIL
De-icing facilities	Not Applicable
Hangar space for visiting aircraft	NIL
Repair facilities for visiting aircraft	NIL
Remarks	NIL

WART AD 2.5 PASSENGER FACILITIES

Hotels	In the city
Restaurants	At Aerodrome
Transportation	NIL

Medical facilities	In the city
Bank and Post Office	In the city
Tourist Office	In the city
Remarks	NIL

WART AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

AD category for fire fighting	Category 5
Rescue equipment	1 Unit Foam Tender Type IV 1 Unit Foam Tender Type V 1 Unit Rescue Car DCP 500 kg 1 Unit Ambulance
Capability for removal of disabled aircraft ...	NIL
Remarks	Removal of disabled aircraft available at Juanda Airport, Tel: (+6231) 2986200

WART AD 2.7 SEASONAL AVAILABILITY – CLEARING

Types of clearing equipment	Not Applicable
Clearance priorities	Not Applicable
Remarks	Not Applicable

WART AD 2.8 APRON, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

APRON SURFACE AND STRENGTH

Designation	= Apron Alpha
Surface	= Asphalt
Strength	= PCN 17/F/C/Y/T
Designation	= Apron Bravo
Surface	= Asphalt
Strength	= PCN 21/F/C/Y/T

TAXIWAY WIDTH, SURFACE AND STRENGTH

Designation	= Taxiway Alpha
Width	= 10 m
Surface	= Asphalt
Strength	= PCN 17/F/C/Y/T
Designation	= Taxiway Bravo
Width	= 15 m
Surface	= Asphalt
Strength	= PCN 21/F/C/Y/T

Altimeter checkpoint location and elevation	THR RWY 12 : 20 ft
VOR checkpoints	NIL
INS checkpoints	See AD Chart
Remarks	Dimension of Apron : - Apron Alpha : 40 m x 40 m - Apron Bravo : 160 m x 75 m ←

WART AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Aircraft Stand ID sign : 1,2 TWY Guidelines : Available Visual Docking/Parking Guidence System available at Aerodrome Chart
RWY and TWY markings and LGT	Marking RWY : Designation, Centre Line, THR, Aiming Point, TDZ, Side Stripe, RWY End TWY : RWY Holding Position, Intermediate Holding Position, Edge, Centre Line, Shoulder Light RWY : Edge, THR, RWY End, Turn Pad, RTIL TWY : Edge
Stop bars and Runway guard lights	NIL
Other runway protection measures	NIL
Remarks	NIL

WART AD 2.10 AERODROME OBSTACLES ←

In Area 2					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/Type, colour	Remarks
1	2	3	4	5	6
NIL	Antenna	070128.3S 1135318.0E	25 ft / NIL	NIL	Antenna VOR/DME and lightning rod : 84 ft
NIL	Antenna	070051.7S 1135200.3E	276 ft / NIL	NIL	Antenna Radio 1
NIL	Antenna	070044.7S 1135232.0E	168 ft / NIL	NIL	Antenna Radio 2
NIL	Antenna	070104.1S 1135225.6E	202 ft / NIL	NIL	Antenna Radio 3
NIL	Antenna	070110.9S 1135235.4E	158 ft / NIL	NIL	Antenna Radio 4
NIL	Antenna	070200.5S 1135427.5E	152 ft / NIL	NIL	Antenna Radio 5
NIL	BTS	070057.4S 1135207.3E	210 ft / NIL	NIL	BTS 1
NIL	BTS	070050.9S 1135207.7E	218 ft / NIL	NIL	BTS 2

NIL	BTS	070028.9S 1135244.6E	216 ft / NIL	NIL	BTS 3
NIL	BTS	070219.7S 1135358.8E	248 ft / NIL	NIL	BTS 4

In Area 3					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/Type, colour	Remarks
1	2	3	4	5	6
NIL	Antenna	070122.2S 1135326.8E	51 ft / NIL	NIL	Antenna NDB
NIL	Antenna	070121.2S 1135326.8E	90 ft / NIL	NIL	Lightning rod Antenna 1
NIL	Antenna	070124.5S 1135328.2E	79 ft / NIL	NIL	Lightning rod Antenna 2
NIL	Tower	070124.6S 1135327.2E	47 ft / NIL	NIL	Tower and lightning rod : 60 ft

WART AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated MET Office	NIL
Hours of service	NIL
MET Office outside hours	NIL
Office responsible for TAF preparation	NIL
Periods of validity	NIL
Trend forecast	NIL
Interval of issuance	NIL
Briefing/consultation provided	NIL
Flight documentation	NIL
Language(s) used	NIL
Charts and other information available for briefing or consultation	NIL
Supplementary equipment available for providing information	NIL
ATS units provided with information	NIL
Additional information (limitation of service, etc.)	NIL

WART AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR		True BRG	Dimensions of RWY (M)	Strength (PCN) and Surface of RWY and SWY	THR coordinate RWY end coordinates THR geoid undulation
1		2	3	4	5
1	12	125.32°	1 600 x 30	21/F/C/Y/T Asphalt	THR 070105.47S 1135254.23E GUND 115.0 ft
2	30	305.32°	1 600 x 30	21/F/C/Y/T Asphalt	THR 070135.59S 1135336.75E GUND 114.9 ft

THR elevation and highest elevation of TDZ of precision APP RWY		Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)
6		7	8	9	10
1	THR 14 ft	Longitudinal slope: 0.2 % Down	NIL	NIL	1 699 x 55
2	THR 4 ft	Longitudinal slope: 0.2 % Up	NIL	NIL	1 699 x 80

RESA dimensions (M)		Location and description of arresting system	OFZ	Remarks
11		12	13	14
1	60 x 63	NIL	NIL	NIL
2	NIL	NIL	NIL	NIL

WART AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
12	1 600	1 600	1 600	1 600	NIL
30	1 600	1 600	1 600	1 600	NIL

WART AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator		APCH LGT type, LEN, INTST	THR LGT colour, WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN
1		2	3	4	5
1	12	NIL	Green	PAPI, Left / 3.00	NIL
2	30	NIL	Green	NIL	NIL

RWY Centre Line LGT LEN, spacing, colour, INTST		RWY Edge LGT LEN, spacing colour, INTST	RWY End LGT colour, WBAR	SWY LGT LEN (M) Colour	Remarks
6		7	8	9	10
1	NIL	60 m, White	Red	NIL	RTIL Available
2	NIL	60 m, White	Red	NIL	RTIL Available

WART AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

ABN/IBN location, characteristics and hours of operation	ABN : 070124S 1135327E, Flashing Green every 3 seconds, 0000 – 0900
LDI location and LGT	NIL
Anemometer location and LGT	Available
TWY edge and centre line lighting	Edge : TWY A, B Centre Line : NIL
Secondary power supply/switch-over time	1 Unit Genset Capacity 60 kVA, switch over 15 seconds 25 kVA 2 Units Genset Capacity 15 kVA
Remarks	- Windsock Available - WDI on 35 m from RWY Edge, Yellow Light

WART AD 2.16 HELICOPTER LANDING AREA

Coordinates TLOF or THR of FATO	NIL
Geoid undulation	NIL
TLOF and/or FATO elevation M/FT	NIL
TLOF and FATO area dimensions, surface, strength, marking	NIL
True BRG of FATO	NIL
Declared distance available	NIL
APP and FATO lighting	NIL
Remarks	NIL

WART AD 2.17 ATS AIRSPACE

Designation and lateral limits.....	Trunojoyo ATZ: A circle with Radius 5 NM Centered at "SMP" VOR/DME
Vertical limits.....	SFC up to 4 000 ft MSL
Airspace classification.....	C
ATS unit call sign	Trunojoyo Tower
Language(s).....	English
Transition Altitude……	11 000 ft / FL130
Hours of applicability.....	NIL
Remarks.....	NIL

WART AD 2.18 ATS COMMUNICATION FACILITIES

	Service designation	Call sign	Channel	SATVOICE number (s)
	1	2	3	4
1	TWR	Trunojoyo Tower	118.65 MHz 122.95 MHz (SRY)	NIL

	Logon address	Hours of operation	Remarks
	5	6	7
1	NIL	0100 - 0900	TWR Coor 070124.59S 1135327.22E Elevation : 47 ft

WART AD 2.19 RADIO NAVIGATION AND LANDING AID ←

	Type of aids, Magnetic variation, and Type of supported operation for ILS/MLS, Basic GNSS, SBAS, and GBAS, and for VOR/ILS/MLS also Station declination used for technical line-up of the aid	ID	Frequency(ies), Channel number(s), Service provider and Reference Path Identifier(s) (RPI)	Hours of operation
	1	2	3	4
1	VOR/DME	SMP	114.1 MHz / CH-88X	0100 - 0900

Geographical coordinates of the position of the transmitting antenna		Elevation of the transmitting antenna of DME, of DME/P, Elevation of GBAS reference point and The ellipsoid height of the point. For SBAS, The ellipsoid height of the landing threshold point (LTP) or The fictitious threshold point (FTP)	Service volume radius from the GBAS reference point	Remarks
5		6	7	8
1	070128.3S 1135318.0E	24.6 ft	NIL	NIL

WART AD 2.20 LOCAL AERODROME REGULATIONS

School and training flights - technical test flights - use of runways

1. Training Area

AREA	COORDINATE	FR SMP VOR		ALT (ft)	CHECK POINT
		RADIAL (˚)	DIST (NM)		
BELU	065482S 1134572E	310	10	GND/Water up to 3 000	City
PUTERAN	070611S 1140209E	120	10	GND/Water up to 3 000	Island
GEDU	071143S 1135510E	175	10	GND/Water up to 3 000	Island
JALE	071302S 1134699E	210	13	GND/Water up to 3 000	Island
GALIS	070500S 1133330E	250	21	GND/Water up to 3 000	Beach
LOMBANG	065359S 1140149E	60	12	GND/Water up to 3 000	Beach

2. Gate Point

GATE POINT	COORDINATE	FR SMP		GROUND REFERENCE POINT
		RADIAL (˚)	DIST (NM)	
NORTH GATE	065854S 1135618E	044	4	Mosque
SOUTH GATE	070445S 1134933E	217	5.1	Lake of Kermata
WEST GATE	065849S 1134906E	303	5.2	Mosque

3. Types of Training

a. Circuit Exercise
b. Training Over Area
c. Cross Country Flight
d. Night Flight
e. Simulated Instrument

4. Standard Departure Procedure

a. RWY 12

1. Circuit Pattern : After take off turn left to join Downwind Runway 12 (or as instructed by ATC).
2. Belu Area : After take off maintain runway heading until passing 1 500 ft, after that turn left 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to BELU (or as instructed by ATC).
3. Puteran Area : After take off climb 3 000 ft direct to PUTERAN (or as instructed by ATC).

3. Puteran Area : After take off climb 3 000 ft direct to PUTERAN (or as instructed by ATC).
4. Gedu Area : After take off maintain runway heading until passing 1 500 ft, after that turn right 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to GEDU (or as instructed by ATC).
5. Jale Area : After take off maintain runway heading until passing 1 500 ft, after that turn right 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to JALE (or as instructed by ATC).
6. Lombang Area : After take off maintain Runway Heading until passing 1 500 ft, after that turn left 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to LOMBANG (or as instructed by ATC).
7. Galis Area : After take off maintain runway heading until passing 1 500 ft, after that turn right 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to GALIS (or as instructed by ATC).

b. RWY 30

1. Circuit Pattern : After take off turn right to join Right Downwind Runway 30 (or as instructed by ATC).
2. Belu Area : After take off climb 3 000 ft direct to BELU (or as instructed by ATC).
3. Puteran Area : After take off maintain runway heading until passing 1 500 ft, after that turn right 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to PUTERAN via NORTH GATE (or as instructed by ATC).
4. Gedu Area : After take off maintain Runway Heading until passing 1 500 ft, after that turn left 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to GEDU (or as instructed by ATC).
5. Jale Area : After take off maintain Runway Heading until passing 1 500 ft, after that turn left 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to JALE (or as instructed by ATC).
6. Lombang Area : After take off maintain runway Heading until passing 1 500 ft, after that turn right 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to LOMBANG (or as instructed by ATC).
7. Galis Area : After take off maintain Runway Heading until passing 1 500 ft, after that turn left 090^0 until 2 000 ft and then continue climb 3 000 ft proceed to GALIS (or as instructed by ATC).

5. Standard Entry Procedure

a. RWY 12

1. Belu Area : Maintain 1 500 ft proceed to West Gate for direct long final RWY 12 (or as instructed by ATC).
2. Puteran Area : Maintain 1 500 ft proceed to North Gate for join left downwind RWY 12 (or as instructed by ATC).
3. Gedu Area : Maintain 1 500 ft proceed to South Gate for join left downwind RWY 12 via OVH (or as instructed by ATC).
4. Jale Area : Maintain 1 500 ft proceed to South Gate for join left downwind RWY 12 via OVH (or as instructed by ATC).
5. Lombang Area : Maintain 1 500 ft proceed to North Gate for join left downwind RWY 12 (or as instructed by ATC).
6. Galis Area : Maintain 2 000 ft until 10 NM and then descend 1 500 ft proceed to South Gate for join left downwind RWY 12 via OVH (or as instructed by ATC).

b. RWY 30
1. Belu Area : Maintain 1 500 ft proceed to North Gate for join Right Downwind RWY 30 (or as instructed by ATC).
2. Puteran Area : Maintain 1 500 ft direct long final RWY 30 (or as instructed by ATC).
3. Gedu Area : Maintain 1 500 ft proceed to South Gate for join Right Downwind RWY 30 via OVH (or as instructed by ATC).
4. Jale Area : Maintain 1 500 ft proceed to South Gate for join Right Downwind RWY 30 via OVH (or as instructed by ATC).
5. Lombang Area : Maintain 1 500 ft proceed to North Gate for join Right Downwind RWY 30 (or as instructed by ATC).
6. Galis Area : Maintain 2 000 ft until 10 NM and then descend 1 500 ft proceed to South Gate for join Right Downwind RWY 30 via OVH (or as instructed by ATC).

WART AD 2.21 NOISE ABATEMENT PROCEDURES

Reserved

WART AD 2.22 FLIGHT PROCEDURES

1. RESPONSIBILITY of ATS

TRUNOJOYO Aerodrome Control Tower (TWR) is responsible for provision of Air Traffic Control Service to all controlled flight within TRUNOJOYO ATZ.

2. ALTIMETER SETTING PROCEDURES

a. This ICAO altimeter setting procedure shall be used by all aircraft operating within Trunojoyo ATZ, QNH provided in mili-bars, in inchies available on request.
b. Transition Altitude 3 000 ft.

3. COMMUNICATION PROCEDURES

All aircraft within ATZ shall be equipped with radio capable of conducting and maintaining two ways communication.

4. VFR FLIGHT

a. Flight information and alerting service will only be provided to VFR Flight operating within Trunojoyo ATZ on 0100 – 0900 UTC. VFR flight requesting the above service for extended or advanced, shall report intended action and comply with the position or as required by ATC.
b. No aircraft shall be operated under VFR within ATZ and prior authorization has been obtained from Approach.

5. DEPARTURE PROCEDURE

a. IFR : No IFR flight;
b. VFR : After take off continue climb to intended altitude and as soon as possible contact Surabaya Director instructed by ATC.

6. ARRIVAL PROCEDURE

a. IFR : No IFR flight;
b. VFR : After clear transferred by Surabaya Director, Continue fly in VMC and proceed to SMP or Instructed by ATC.

7. COMMUNICATION FAILURE PROCEDURES

Aircraft radio communication failure procedures shall be in accordance with ICAO Standard and recommended practices, or:

a. In Visual Meteorological Condition (VMC)
   1. Continue Fly in VMC
   2. Fly full circuit over the Aerodrome, pilot shall endeavor to transmit blindly his position, intention, etc. so as to be monitored by Approach or anyother traffic over ATZ.

8. POSITION REPORTING PROCEDURE

Aircraft operating within or about to enter TRUNOJOYO ATZ shall report position:

a. Over ATZ Boundary,

b. Over any other point or time as instructed by ATC

WART AD 2.23 ADDITIONAL INFORMATION

Reserved

WART AD 2.24 CHARTS RELATED TO AN AERODROME

- WART AD 2.24-1, AERODROME CHART - ICAO, Dated 19 MAY 22;
- WART AD 2.24-11A, INSTRUMENT APPROACH CHART - ICAO VOR RWY 12 CAT A/B/C, Dated 19 MAY 22;
- WART AD 2.24-11B, INSTRUMENT APPROACH CHART - ICAO VOR RWY 30 CAT A/B/C, Dated 19 MAY 22;
- WART AD 2.24-11C1, INSTRUMENT APPROACH CHART - ICAO RNP RWY 12 CAT A/B/C, Dated 19 MAY 22;
- WART AD 2.24-11C2, CODING TABLE RNP RWY 12 CAT A/B/C, Dated 19 MAY 22;
- WART AD 2.24-11D1, INSTRUMENT APPROACH CHART - ICAO RNP RWY 30 CAT A/B/C, Dated 19 MAY 22;
- WART AD 2.24-11D2, CODING TABLE RNP RWY 30 CAT A/B/C, Dated 19 MAY 22.