TEL: 91-11-24632950 Extn: 2219/2233 AFS: VIDDYXAX FAX: 91-11-24615508 Email: gmais@aai.aero	**INDIA** **AERONAUTICAL INFORMATION SERVICE** **AIRPORTS AUTHORITY OF INDIA** **RAJIV GANDHI BHAVAN** **SAFDARJUNG AIRPORT** **NEW DELHI – 110003**	**197/2019** **13 DEC 2019**

File No. AAI/ATM/AIS/09-09/2019

Following supplement is issued for information, guidance and necessary action.

sd/-
अरविंद सिंह
ARVIND SINGH
अध्यक्ष/CHAIRMAN
भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

[EFFECTIVE DATE: 30 JAN 2020]

AERODROME DATA
SHIRDI AIRPORT

VASD AD 2. AERODROMES

VASD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

SHIRDI AIRPORT/ DOMESTIC

VASD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	194127.3838 N 0742218.3097 E
2	Direction and distance of aerodrome reference point from the centre of the city or town which the aerodrome serves	Approximately 16KM South-West of Shirdi Railway Station near village Kakadi.
3	Aerodrome elevation and reference temperature	1938 FT/ 38.5 DEG C
4	Magnetic, date of information and annual change	1 DEG W/0.033 DEG E
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airport Director, Shirdi Airport, Near Village Kakadi, Taluka Kopargaon, District Ahmednagar, Pin Code 423107, Kelwad Post Office. email: apd.sag@madcindia.org

		Tel	+91-02423-246201
		Fax:	+91-02423-246202
		AFS	Not Available
6	Types of traffic permitted (IFR/VFR)	VFR	
7	Remarks	NIL	

AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	MON-SUN: 0320 UTC to 1230 UTC
2	Custom and immigration	NIL
3	Health and sanitation	NIL
4	AIS Briefing office	As ATS
5	ATS Reporting Office (ARO)	As ATS
6	MET Briefing office	As ATS
7	Air Traffic Service	Consult NOTAM for current ATS HR.
8	Fuelling	As ATS
9	Handling	As ATS
10	Security	As ATS
11	De-icing	NIL
12	Remarks	Security by CISF H24.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel and oil types	Jet A1
3	Fuelling facilities and capacity	Static Storage 70KL & Total 5 Bowsers - 16KL (4nos.), 11KL(1 no)
4	De-icing facilities	Average-145KL
5	Hanger space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

AD 2.5 PASSENGER FACILITIES

1	Hotel(s) at or in the vicinity of aerodromes	In the city
2	Restaurant(s) at or in the vicinity of aerodromes	Snacks counter available at AD and restaurants available in the city
3	Transportation possibilities	Taxis and buses from AD
4	Medical Facilities	First Aid at AD. Hospitals in city.
5	Bank and post office at or in the vicinity of aerodromes	Banks: In the city Post office: In the city
6	Tourist office	In the city
7	Remarks	Shirdi Sansthan Information counter available at AD

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT VII
2	Rescue equipment	Available as per category.
3	Capability for removal of disabled aircraft	NIL
4	Remarks	MADC has tied up with Air India for providing the recovery kit

AD 2.7 SEASONAL AVAILABILITY CLEARING

1	Type(s) of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Designation, surface and strength of aprons	Designation	Apron		
		Surface	Concrete/Rigid		
		Strength	56/R/B/W/T		
2	Designation, width, surface and strength of taxiways	Designation	TWY A	TWY B	TWY C
		Width	23 M	23 M	23 M
		Surface	Bitumen	Bitumen	Bitumen
		Strength	60F/C/W/T	60F/C/W/T	60F/C/W/T

3	Location and elevation of altimeter checkpoints	Location	Elevation
		Aircraft Stand No. 1	1878.84 FT
		Aircraft Stand No. 2	1879.59 FT
		Aircraft Stand No. 3	1880.09 FT
		Aircraft Stand No. 4	1880.91 FT
4	Location of VOR checkpoints	NIL	
5	Position of INS checkpoints	NIL	
6	Remarks	1. Apron 225 M x 105 M to accommodate three ATR72 and one A320 aircraft. 2. All the bays are power in/ power out. 3. All are remote stands. Clearance between stands 4.5M.	

AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand identification signs, taxiway guidelines and visual docking/parking guidance system at aircraft stands	Aircraft stand ID markings available. Taxiing guidance provided on R/T Guidelines at Apron. VDGS not available		
2	Runway and taxiway markings and lights	RWY	Markings	Designation, Center Line, Transverse Strip, THR, TDZ, Edge, Aiming Point, Turn pad.
			Lights	Nil
		TWY	Marking	Center Line, Holding Positions on TWY A & TWY B, Mandatory Instruction Marking
			Lights	Nil
3	Stop bars (if any)	NIL		
4	Remarks	NIL		

AD 2.10 AERODORME OBSTACLES

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT)	Marking/ LGT	Remarks
1	2	3	4	5	6
APCH-09/ TKOFF-27	Shed Top	194121.43 N 0742141.33 E	1968	NIL	
APCH-09/ TKOFF-27	Electric Pole	194121.57 N 0742143.02 E	1983	NIL	
APCH-09/ TKOFF-27	Electric Pole	194119.61 N 0742142.99 E	1979	NIL	
APCH-09/ TKOFF-27	Electric Pole	194118.68 N 0742139.46 E	1979	NIL	
APCH-09/ TKOFF-27	Electric Pole	194118.19 N 0742137.68 E	1982	NIL	
APCH-09/ TKOFF-27	Electric Pole	194117.78 N 0742136.09 E	1983	NIL	
In Circling Area and at AD	Hill Top	193732.78 N 0741941.51 E	2582	NIL	
In Circling Area and at AD	Hill Top	193646.96 N 0741950.38 E	2575	NIL	
In Circling Area and at AD	Hill Top	193554.39 N 0742126.61 E	2733	NIL	
In Circling Area and at AD	Hill Top	193508.75 N 0742126.11 E	2484	NIL	

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Mumbai
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	As ATS
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Mumbai
4	Availability of the trend forecast for the aerodrome and interval of issuance	METAR on half an hour frequency
5	Information on how briefing and/or consultation is provided	Report is sent manually to ATC
6	Types of flight documentation supplied and language(s) used in flight documentation	Tabular Form (English)
7	Charts and other information displayed or available for briefing or consultation	NIL

8	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	NIL
9	The air traffic services unit(s) provided with meteorological information	Shirdi Airport ATC
10	Additional information, e.g. concerning any limitation of service.	Actual visibility based on visual landmarks.

AD 2.12 RUNWAY PHYSICAL CHARACTERSTICS

Designations	**True BRG**	**Dimensions of RWY (M)**	**Strength of pavement (PCN) and associated data) and surface of runway and associated stop ways**	**Geographical coordinates for threshold and runway end**
1	**2**	**3**	**4**	**5**
09	88.41 DEG	2500X45	60 F/C/W/T BITUMINOUS	THR: 194118.64 N 0742154.52 E END: 194120.88 N 0742320.32 E
27	268.41 DEG	2500X45	60 F/C/W/T BITUMINOUS	THR: 194120.88 N 0742320.32 E END: 194118.64 N 0742154.52 E
THR elevation and highest elevation of TDZ of precision APP RWY	**Slope of runway and associated stop way**	**Dimensions of stop way (M)**	**Dimensions of clearway (M)**	**Dimensions of strips (M)**
6	**7**	**8**	**9**	**10**
THR 09: 1938.32 FT TDZ:	LONG: 1% TRANS: 1.5%	NIL	NIL	2620X150
THR 27: 1909.45 FT TDZ:	LONG: 1% TRANS: 1.5%	NIL	NIL	2620X150
Dimensions of runway end safety areas	**Location and description of arresting system (if any)**	**Existence of an obstacle-free zone**	**Remarks.**	
11	**12**	**13**	**14**	
150M X 240M	NIL	NIL		
150M X 240M	NIL	NIL		

AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks (including runway entry or start point where alternative reduced declared distances have been declared)
1	**2**	**3**	**4**	**5**	**6**
09	2500	2500	2500	2500	NIL
27	2500	2500	2500	2500	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

Runway Designator	Type, length and intensity of approach lighting system	Runway threshold lights, colour and wing bars	VASI (MEHT) PAPI	Length of runway touchdown zone lights
1	**2**	**3**	**4**	**5**
09	NIL	NIL	PAPI Left/ 3 DEG MEHT: 16.19 M	NIL
27	NIL	NIL	PAPI Left/ 3 DEG MEHT: 16.12 M	NIL
Length, spacing, colour and intensity of runway centre line lights	**Length, spacing, colour and intensity of runway edge lights**	**Colour of runway end lights and wing bars**	**Length and colour of stop way lights**	**Remarks**
6	**7**	**8**	**9**	**10**
NIL	NIL	NIL	NIL	NIL
NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	ABN: At ATC Tower Building, FLG W & G with a frequency of 24 flashes per minute.
		IBN	NIL
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	South of THR RWY 27 (194115.788N 0742319.525E) ELEV: 580.222 M
		Anemometer	North of RWY abeam TWY A

3	Taxiway edge and taxiway centre line lights;	Edge	NIL
		Centre line	NIL
4	Secondary power supply including switch-over time;	DG Set available for all light at aerodrome (PAPI AND ABN). DG set will be switched on 20 minutes before arrival of EV FLT.	
5	Remarks	ABN operational during ATS hours	

AD 2.16 HELICOPTER LANDING AREA

1	Geographical coordinates of the geometric centre of touchdown and lift-off (TLOF) or of each threshold of final approach and take-off (FATO) area	Not Established
2	TLOF and/or FATO area elevation:	Not Established
3	TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking;	Not Established
4	True bearings of FATO;	Not Established
5	Declared distances available,	Not Established
6	Approach and FATO lighting;	Not Established
7	Remarks	Not Established

AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

1.	Airspace designation, geographical coordinates and lateral limits	NIL *(To be notified)*
2.	Vertical limits	Not applicable
3.	Airspace classification	Class G
4.	Call sign and language(s) of the air traffic services unit providing service;	Shirdi Tower English
5.	Transition altitude	Not Established
6.	Hours of applicability	As ATS
7.	Remarks	24 HR prior information for Non Schedule operations and watch extension.

AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	**2**	**3**	**4**
SMC	SHIRDI GROUND	121.625 MHZ	NIL
TWR	SHIRDI TOWER	118.450 MHZ	NIL
Logon address, as appropriate	**Hours of operation**	**Remarks**	
5	**6**	**7**	
NIL	As ATS	NIL	
NIL	As ATS	NIL	

AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aids, magnetic and type of supported operation for ILS/MLS, basic GNSS, SBAS and GBAS, and for VOR/ILS/MLS station used for technical line-up of the aid	Identification	Frequency(ies), Channel number(s), Service provider, and reference path identifier(s) (RPI), as appropriate	Hours of operation, as appropriate;
1	**2**	**3**	**4**
DVOR	SRD	112.000 MHz	As ATS
DME	SRD	57X	As ATS
Geographical coordinates of the position of the transmitting antenna	**Elevation of transmitting antenna of DME/ elevation of GBAS reference point**	**Service volume radius from the GBAS reference point**	**Remarks**
5	**6**	**7**	**8**
194117.80677 N 0742347.28331 E		NIL	
194117.82923 N 0742346.87795 E	580.4 M	NIL	1. DME collocated with DVOR 2. Elevation: EGM08

AD 2.20 LOCAL AERODROME REGULATIONS

1. Taxiing procedure: All the aircraft stands are power in/ power out, more precaution required during taxiing.

2. Wing Tip Marsheller mandatory to be available during movement of aircraft at apron & abeam apron.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

AD 2.22 FLIGHT PROCEDURES

NIL

AD 2.23 ADDITIONAL INFORMATION

1. Aerodrome Reference Code 4C.

2. Apron Suitable up to Aircraft type A320

3. Apron Slope 1%

4. Temporary Isolation temporary location Dumbbell RWY 09

AD 2.24 CHARTS RELATED TO AN AERODROME

1. Aerodrome Chart

2. Aircraft Parking/Docking Chart

3. Aerodrome Obstacle Chart (Operating Limitations) Type A RWY 09/27

4. Objects of Vertical Significance Around Shirdi Airport

5. Instrument Approach Chart – VOR RWY 09

CANCELLATION:

1. AIP Supplement 186/2019
2. NOTAM G0817/19 of VIDPYNYX
3. NOTAM G1424/19 of VIDPYNYX

AERODROME CHART

19°41'27.3838"N
74°22'18.3097"E

AD.ELEV 1938

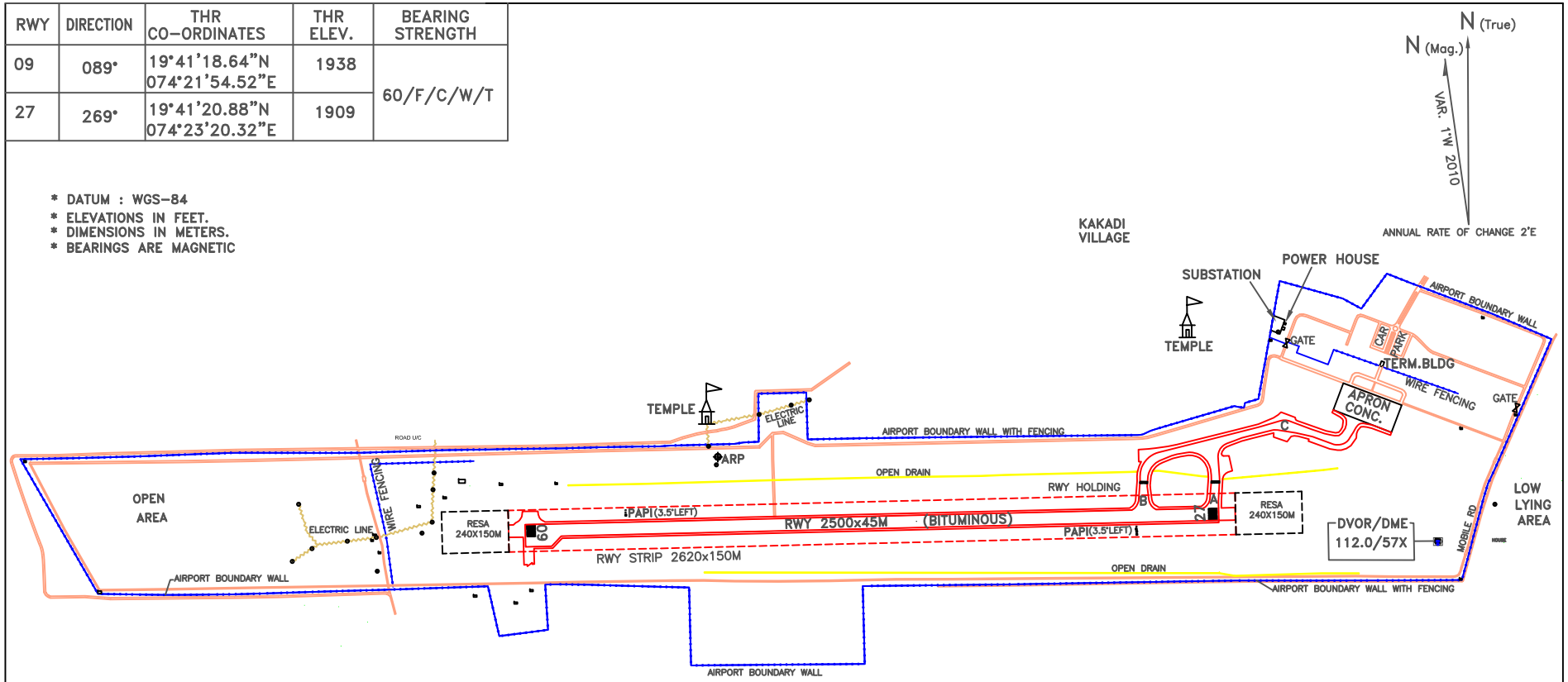
TWR 118.450
SMC 121.625

SHIRDI, INDIA

SHIRDI AIRPORT

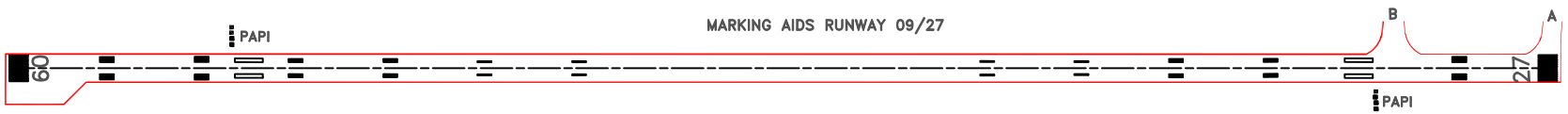
RWY	DIRECTION	THR CO-ORDINATES	THR ELEV.	BEARING STRENGTH
09	089°	19°41'18.64"N 074°21'54.52"E	1938	60/F/C/W/T
27	269°	19°41'20.88"N 074°23'20.32"E	1909	

* DATUM : WGS-84
* ELEVATIONS IN FEET.
* DIMENSIONS IN METERS.
* BEARINGS ARE MAGNETIC



LEGEND	
RWY-HOLDING POINT	

METRE
100 0 200 500
250 0 250 500 1000 1500
FEET



Date of Aeronautical Information-Nov.2019

Consultant: Airports Authority of India
Client : Maharashtra Airport Development Company Ltd.

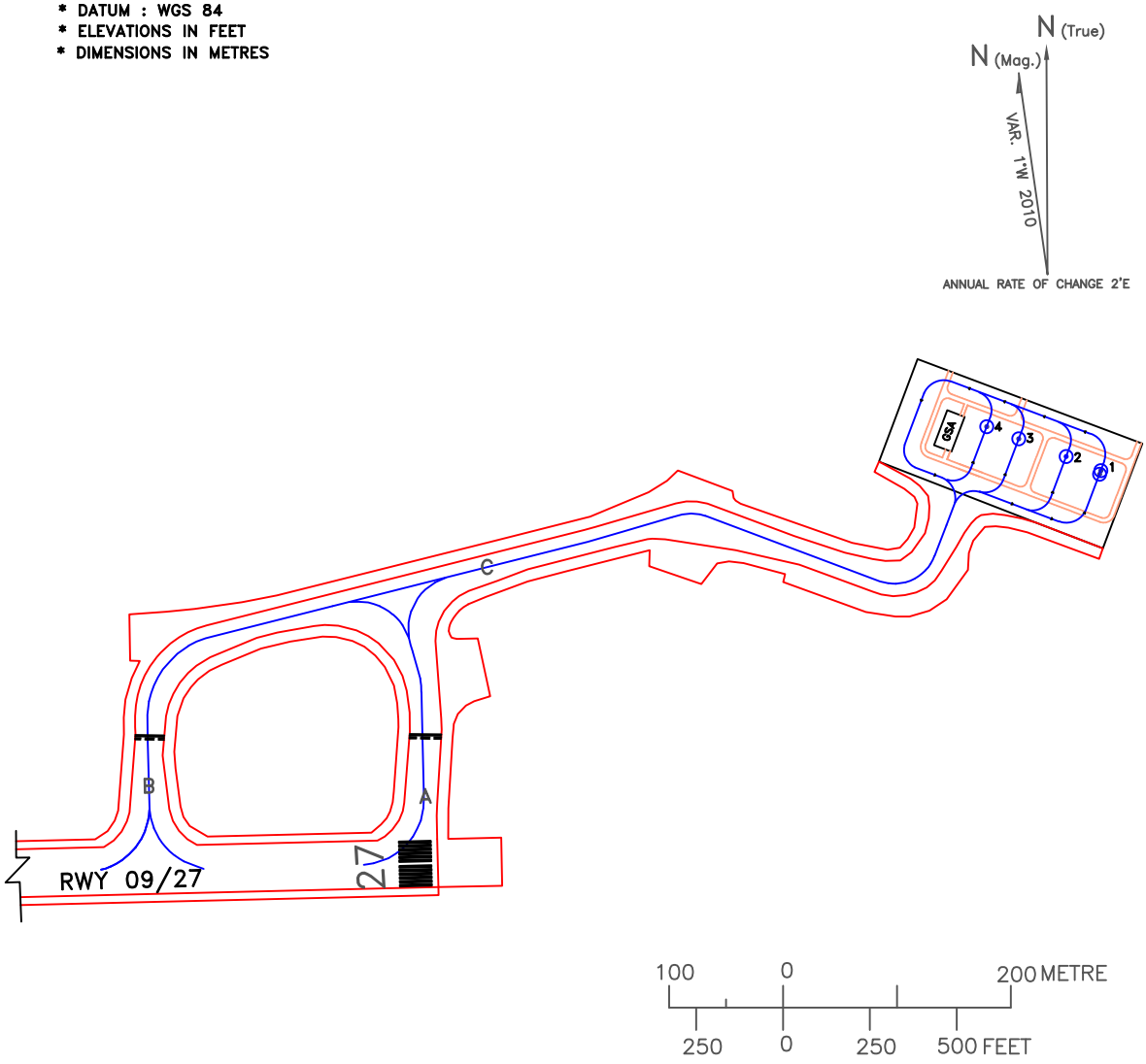
AIRCRAFT PARKING/ DOCKING CHART

APRON ELEV 1881

TWR 118.450
SMC 121.625

SHIRDI, INDIA
SHIRDI AIRPORT

* DATUM : WGS 84
* ELEVATIONS IN FEET
* DIMENSIONS IN METRES



LEGEND	
AIRCRAFT STAND Nos.	⊙4
RWY–HOLDING POINT	

STAND No.	WGS CO–ORDINATES FOR AIRCRAFT STANDS	SUITABLITY	PCN	ELEV.	AIRCRAFT STAND STATUS
1.	19°41'32.718"N 074°23'41.681"E 19°41'32.610"N 074°23'41.638"E	A320 ATR72	56/R/B/W/T	1879	POWER IN/POWER OUT
2.	19°41'33.143"N 074°23'40.565"E	ATR72	56/R/B/W/T	1880	POWER IN/POWER OUT
3.	19°41'33.699"N 074°23'39.045"E	ATR72	56/R/B/W/T	1880	POWER IN/POWER OUT
4.	19°41'34.064"N 074°23'38.015"E	ATR72	56/R/B/W/T	1881	POWER IN/POWER OUT

TAXIWAY	PCN	WIDTH
A	60/F/C/W/T	23M
B	60/F/C/W/T	23M
C	60/F/C/W/T	23M

Date of Aeronautical Information–Nov.2019

Consultant: Airports Authority of India
Client : Maharashtra Airport Development Company Ltd.

ELEVATIONS IN FEET
ALL OTHER DIMENSIONS IN METRES

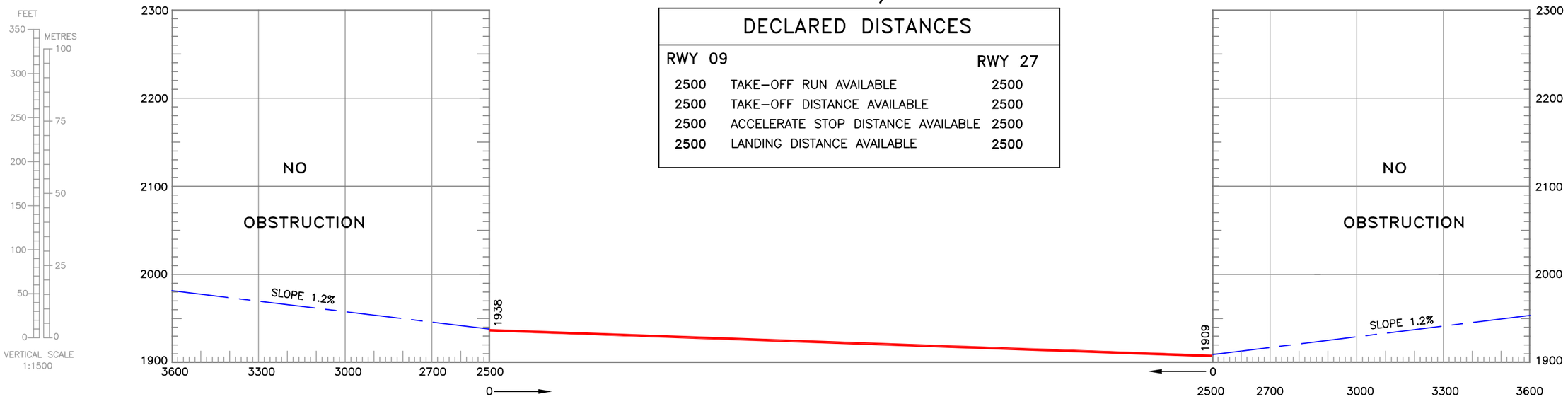
AERODROME OBSTACLE CHART
TYPE –A (OPERATING LIMITATIONS)

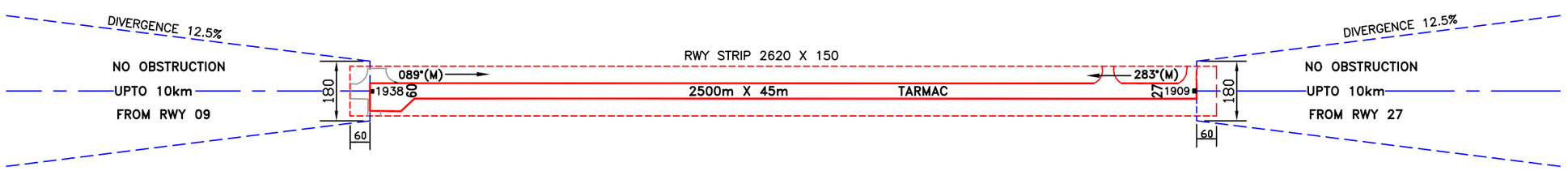
INDIA/SHIRDI
SHIRDI AIRPORT/RWY 09/27

MAGNETIC VARIATION 1° W, (2010)

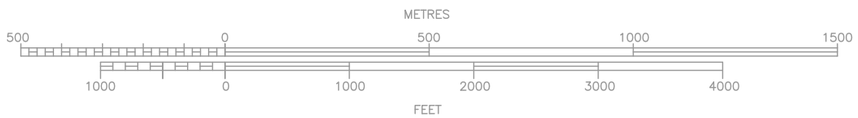
RWY 09/27

DECLARED DISTANCES		
RWY 09		RWY 27
2500	TAKE–OFF RUN AVAILABLE	2500
2500	TAKE–OFF DISTANCE AVAILABLE	2500
2500	ACCELERATE STOP DISTANCE AVAILABLE	2500
2500	LANDING DISTANCE AVAILABLE	2500





HORIZONTAL SCALE – 1:15000



ORDER OF ACCURACY	
HORIZONTAL	3.0m
VERTICAL	1ft.

NOTES:–

1. The objects that have been shielded due to presence of other higher objects have not been shown in this chart.
2. Datum – All Elevations are AMSL.
3. Periphery road without traffic is no obstacle.
4. Consult Notam for latest information.
5. Rwy directions rounded to nearest degree.(Magnetic) (In degree minute : Rwy 09/27 = 089°00'/269°00') (taken upto 2010)
6. Magnetic Variation rounded to nearest degree 0°45'W, Annual rate of change 02'E (2010).
7. All obstacles shown in this chart are based on aeronautical obstacle Survey Mar.2016.
8. **Chart prepared based on DGCA CAR Section 9–AS&ATM Series 'G', Part–I.**

AMENDMENT RECORD

NO.	DATE	ENTERED BY
1.	05.12.17	Obst. removed as/Stn.Ltr.No.MADC/ Shirdi Airport O&M/0989,dated 10.11.17–RS
2.	15.11.18	All obst. removed from App. R/W09 as per Stn. ltr.No.MADC/Shirdi Airport O&M/1090, dtd.13.11.18. R.S.

AERONAUTICAL INFORMATION UPTO – OCT. 2018
वैमानिक सूचना – अक्तूबर 2018 तक

COMPILED BY– CARTO, AIRPORTS AUTHORITY OF INDIA
संग्रहित किया – कार्टो, भारतीय विमानपत्तन प्राधिकरण

CHART No. AAI/16–OBS/CARTO/2016
चार्ट सं. भा.वि.प्रा./16–अव./कार्टो/2016

MAP SHOWING OBJECTS OF VERTICAL SIGNIFICANCE AROUND SHIRDI AIRPORT

SCALE- 1:50000

1,000 500 0 1,000 2,000 3,000 4,000 5,000 Metres

RUNWAY CO-ORDINATES:-
RWY 09 :- 19° 41' 18.64"N 074° 21' 54.52" E
RWY 27:- 19° 41' 20.88"N 074° 23' 20.32" E

ARP
LAT-19° 41' 27.3838" N
LONG-074° 22' 18.3097" E
ELEV.-581.750M

RWY STRIP 300M
MAG. BRG. 89°-00'
MAG. BRG. 269°-00'
TR. BRG. 88°24'48"
TR. BRG. 268°24'48"
2500M
2620M
RWY ELEV. 590.8M
RWY ELEV. 582.0M

74°15'E 74°20'E 74°25'E 74°30'E
19°50'N 19°45'N 19°40'N 19°35'N 19°30'N

TO SANVATSAR
TO KOPARGAON
PAHEGAON
SONEWADI
NIMGAON KORHALE
KANKURI
SHRI SAI BABA TEMPLE
SHIRDI TOWN
SOYEGAON
KORHALE
TALEGAON TOWN
TO NANDUR SHINGOTE
DIVERGENCE 15%
KAKADI VILLAGE
TO KAKADI
OPEN LAND
CULTIVATED LAND
KELVAD VILLAGE
HT LINE
WADJHARI BURUKH
WADJHARI KHURD
GOGALGAON
TO SRIRAMPUR
TO RAHURI
TO SANGAMNER
KONCHI
LONI
TO KOLHAR
PRAVARA RIVER

SL.NO.	OBJECTS	TOP ELEVATION (IN METRES)	LATITUDE	LONGITUDE	DISTANCE FROM ARP (IN METRES)	TRUE BEARING FROM ARP
1	HT TOWER	609.7	19° 40' 40.963" N	074° 22' 44.281" E	1615	152° 17'
2	CELL PHONE MAST	640.1	19° 41' 59.926" N	074° 17' 56.132" E	7698	277° 41'
3	CELL PHONE MAST	649.1	19° 41' 49.537" N	074° 17' 51.071" E	7810	275° 13'
4	CELL PHONE MAST	639.4	19° 41' 45.078" N	074° 17' 47.834" E	7894	274° 10'
5	CELL PHONE MAST	647.2	19° 41' 42.759" N	074° 17' 42.85" E	8034	273° 35'
6	CELL PHONE MAST	641.4	19° 41' 34.251" N	074° 17' 49.341" E	7834	271° 44'
7	OHWT (RAILING TOP)	622.9	19° 41' 43.327" N	074° 18' 2.746" E	7457	273° 59'
8	OHWT (RAILING TOP)	614.8	19° 41' 14.684" N	074° 19' 6.184" E	5607	266° 13'
9	TEMPLE	612.0	19° 41' 3.160" N	074° 19' 36.896" E	4758	261° 12'
10	OHWT (RAILING TOP)	612.7	19° 40' 55.999" N	074° 19' 31.957" E	4939	258° 57'
11	CELL PHONE MAST	607.7	19° 42' 0.784" N	074° 23' 5.946" E	1726	53° 41'
12	OHWT (RAILING TOP)	615.2	19° 40' 49.478" N	074° 19' 55.952" E	4306	254° 30'
13	TEMPLE	579.3	19° 41' 42.231" N	074° 23' 16.519" E	1755	75° 8'
14	PYLON MAST	578.6	19° 41' 20.694" N	074° 27' 7.789" E	8431	91° 35'
15	PYLON MAST	580.7	19° 41' 8.530" N	074° 27' 7.949" E	8453	94° 7'
16	PYLON MAST	578.4	19° 40' 55.243" N	074° 27' 8.526" E	8507	96° 52'
17	OHWT (RAILING TOP)	556.9	19° 41' 34.852" N	074° 26' 7.822" E	6686	88° 13'
18	TEMPLE	547.1	19° 41' 32.056" N	074° 26' 0.148" E	6460	88° 55'
19	TEMPLE	551.6	19° 41' 28.631" N	074° 25' 40.816" E	5896	89° 49'
20	CELL PHONE MAST	581.5	19° 41' 21.604" N	074° 25' 52.232" E	6231	91° 50'
21	CELL PHONE MAST	579.8	19° 41' 16.533" N	074° 25' 50.152" E	6177	93° 17'
22	TEMPLE	627.6	19° 41' 44.049" N	074° 18' 3.886" E	7425	274° 10'
23	HT TOWER	-	19° 41' 33.641" N	074° 27' 7.617" E	8425	88° 53'
24	HT TOWER	-	19° 41' 45.351" N	074° 27' 7.463" E	8437	86° 26'
25	HT TOWER	-	19° 41' 57.420" N	074° 27' 7.303" E	8464	83° 56'
26	HT TOWER	-	19° 42' 20.502" N	074° 26' 55.741" E	8240	78° 46'
27	HT TOWER	-	19° 42' 30.730" N	074° 26' 50.617" E	8163	76° 23'
28	HT TOWER	-	19° 40' 6.917" N	074° 27' 19.393" E	9109	105° 57'
29	HT TOWER	-	19° 40' 41.747" N	074° 27' 9.059" E	8581	99° 36'
30	HT TOWER	-	19° 40' 28.778" N	074° 27' 9.625" E	8671	102° 11'
31	HT TOWER	-	19° 39' 55.233" N	074° 27' 24.613" E	9358	107° 49'
32	HT TOWER	-	19° 40' 28.946" N	074° 22' 25.127" E	1807	173° 54'
33	HT TOWER	-	19° 40' 13.862" N	074° 22' 8.851" E	2277	187° 9'
34	HT TOWER	-	19° 40' 5.968" N	074° 22' 0.333" E	2557	192° 15'
35	HT TOWER	-	19° 40' 14.409" N	074° 23' 29.933" E	3063	137° 17'
36	HT TOWER	612.2	19° 40' 36.477" N	074° 22' 33.099" E	1623	164° 49'
37	HT TOWER	617.4	19° 40' 20.550" N	074° 22' 16.005" E	2056	182° 49'
38	HT TOWER	-	19° 40' 7.257" N	074° 23' 42.505" E	3475	135° 20'
39	HT TOWER	606.8	19° 40' 21.293" N	074° 23' 17.833" E	2670	139° 44'
40	HT TOWER	608.2	19° 40' 27.256" N	074° 23' 7.556" E	2339	142° 24'
41	HT TOWER	605.0	19° 40' 33.596" N	074° 22' 56.874" E	1999	146° 17'
42	HILL TOP	705.0	19° 38' 6.759" N	074° 16' 5.148" E	12495	240° 39'
43	HILL TOP	711.0	19° 39' 9.912" N	074° 16' 35.954" E	10828	247° 15'
44	HILL TOP	683.0	19° 38' 52.063" N	074° 16' 58.555" E	10464	243° 47'
45	HILL TOP	695.0	19° 38' 2.763" N	074° 17' 51.125" E	10005	231° 16'
46	HILL TOP	787.0	19° 37' 32.783" N	074° 19' 41.514" E	8535	212° 33'
47	HILL TOP	785.0	19° 36' 46.964" N	074° 19' 50.382" E	9637	206° 46'
48	HILL TOP	687.0	19° 35' 7.783" N	074° 19' 40.452" E	12542	201° 43'
49	HILL TOP	738.0	19° 34' 3.526" N	074° 19' 54.407" E	14273	197° 17'
50	HILL TOP	833.0	19° 35' 54.397" N	074° 21' 26.610" E	10346	188° 34'
51	HILL TOP	648.0	19° 35' 36.479" N	074° 24' 21.012" E	11363	161° 52'
52	HILL TOP	741.0	19° 36' 40.076" N	074° 22' 21.978" E	8832	179° 31'
53	HILL TOP	757.0	19° 35' 8.754" N	074° 21' 26.110" E	11738	187° 39'
54	HILL TOP	679.0	19° 35' 17.787" N	074° 22' 33.438" E	11370	177° 59'
55	HILL TOP	876.0	19° 40' 7.735" N	074° 13' 35.010" E	15432	261° 01'

NOTE:-

1. ALL CO-ORDINATES ARE IN WGS-84.
2. ALL DISTANCE AND ELEVATION ARE IN METRES.

ABBREVIATION	
TR. BRG.	TRUE BEARING
MAG.BRG.	MAGNETIC BEARING
HT LINE	HIGH TENSION LINE
HT TOWER	HIGH TENSION TOWER
ARP	AERODROME REFERENCE POINT
OHWT	OVERHEAD WATER TANK
RWY	RUNWAY
ELEV.	ELEVATION
LAT	LATITUDE
LONG	LONGITUDE

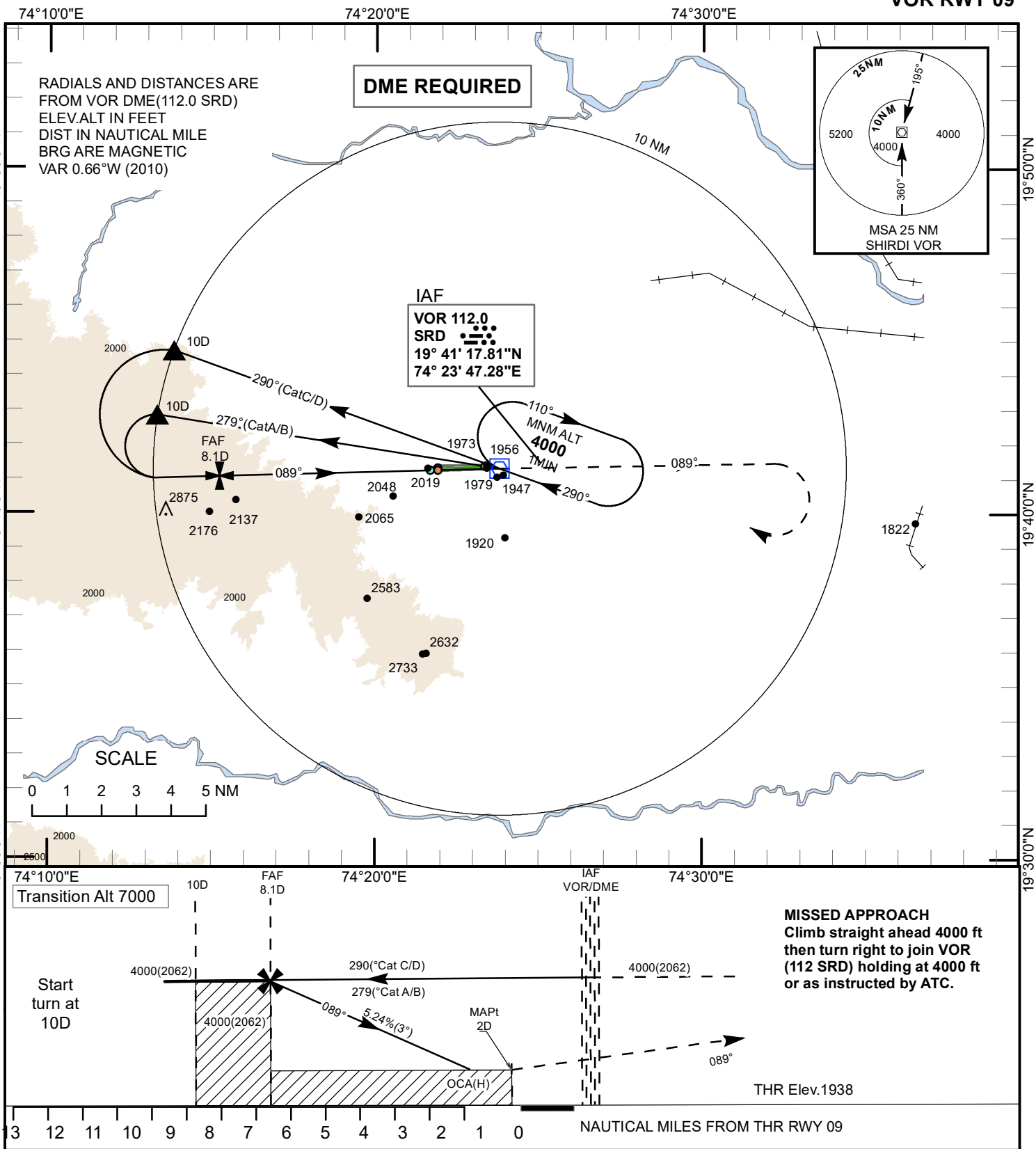
CONSULTANT	AIRPORTS AUTHORITY OF INDIA, NEW DELHI
CLIENT	MAHARASHTRA AIRPORT DEVLP. CORP.
PROJECT	SURVEY OF SHIRDI AIRPORT
TITLE	MAP OF SHIRDI AIRPORT
SCALE	1:50000
DRG. NO.	AAI/MADC/SHIRDI/ENVIRONS/2016 (SURVEY)
SURVEYED BY	P.K. SHARMA (AM SURVEY) & SUBHASH CHAND (AM SURVEY)
PERIOD OF SURVEY	06TH MARCH 2016 TO 19TH MARCH 2016
DRAWN BY	P.K. SHARMA (AM SURVEY) & SUBHASH CHAND (AM SURVEY)
CHECKED BY	M.M. PARAB (MANAGER SURVEY)

INSTRUMENT APPROACH CHART

AERODROME ELEV 1938
Heights related to
THR RWY 09 ELEV 1938

TWR 118.45

SHIRDI(VASD)
INDIA
VOR RWY 09



OCA(H)			Distance/Altitude Information							
CATEGORY OF AIRCRAFT	A/B	C/D	Distance (NM)	8.1D	8D	7D	6D	5D	4D	
Straight-in	2420(482)	2420(482)	Altitude (Ft)	4000	3970	3660	3340	3020	2700	
Circling	2440(502)	3060(1122)	Ground Speed/Rate of Descent Information							
			Ground Speed (Kt)	80	100	120	140	160	180	
			Rate of Descent (Ft/NM)	425	530	635	745	850	955	

DRG.NO. AAI/44-IALC/19/28/11/2019