

VABB

Mumbai Chhatrapati Shivaji Intl

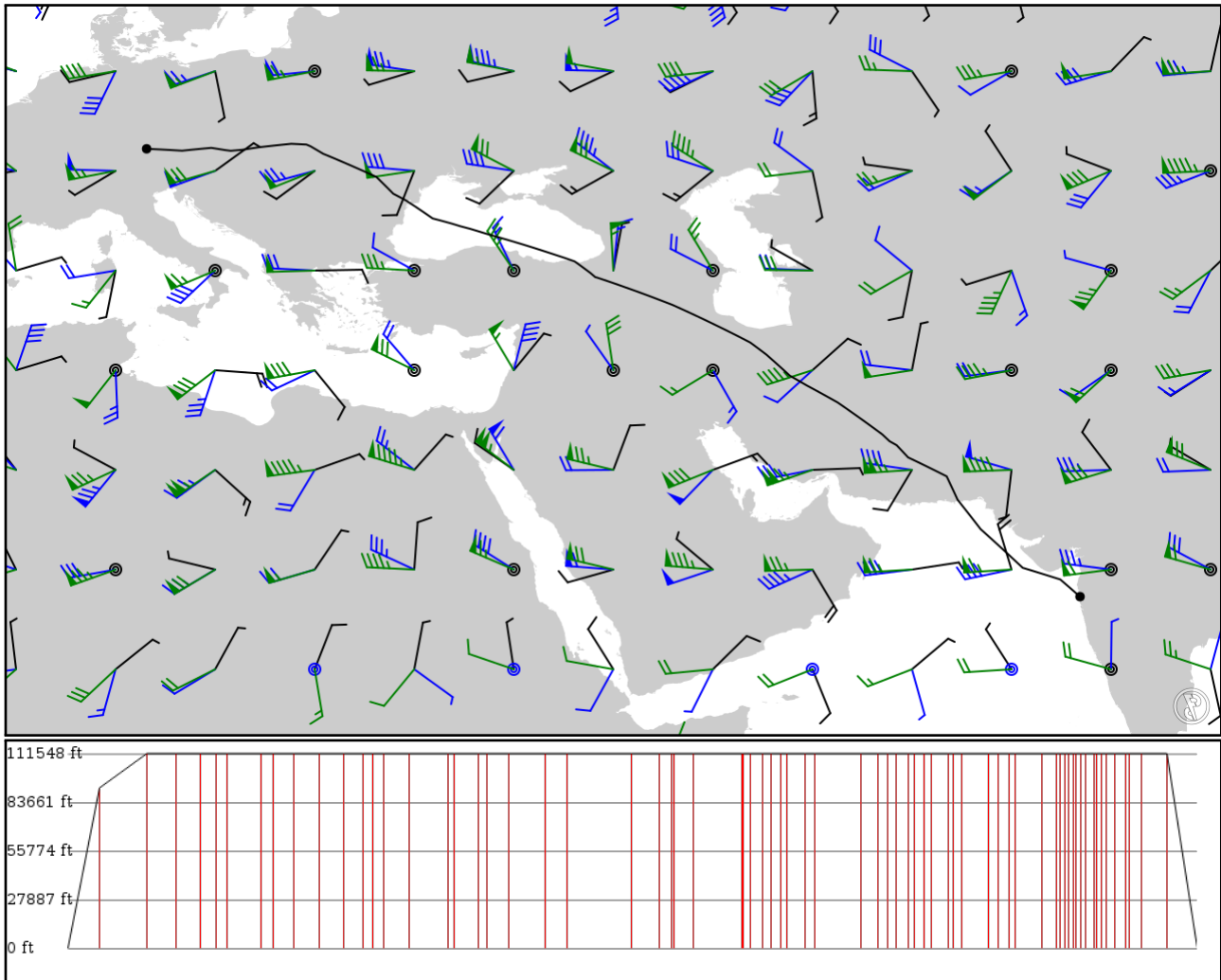
EDDM

Muenchen International Airport Franz-Josef Strauss

2024/05/16 0122Z

VABB EXOLU **M638** IGANU **P518** PARET **G208** PG PG **G208** KEBUD **L124** SODOK **Q13** DANIX **T216** DAR **G208** RADAL
J7 TRN **UM573** TBZ TBZ **R660** ERZ ERZ **UL851** HOCAM **UW71** BAVTI **UL851** KUGOS **L851** ADINA **L624** GLT **P746** BCU
L623 RUMUK **W425** KSC **A42** NIT **R23** OKR **M141** TOVKA STO **J21** LNZ EDDM

3504.18 nm / 6489.74 km



Notes

Basic altitude profile:

- Ascent Rate: 2300ft/min
- Ascent Speed: 300kts
- Cruise Altitude: 34000ft
- Cruise Speed: 490kts
- Descent Rate: 3000ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes

- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VABB	-	19.08910	0 ft	-	Mumbai Chhatrapati Shivaji Intl
APT	-	72.86560	0 m	-	
EXOLU	-	20.21390	28,000 ft	99	-
FIX	-	71.56940	8,534 m	-	
KARKU	M638	20.97430	34,000 ft	145	-
FIX	AWY-HI	69.11080	10,363 m	-	
IGANU	M638	22.06940	34,000 ft	92	-
FIX	AWY-HI	67.93470	10,363 m	-	
RITPO	P518	22.95780	34,000 ft	75	-
FIX	AWY-HI	66.96330	10,363 m	-	
KABIM	P518	23.50060	34,000 ft	46	-
FIX	AWY-HI	66.35860	10,363 m	-	
PAXUR	P518	23.99080	34,000 ft	36	-
FIX	AWY-HI	65.97920	10,363 m	-	
PARET	P518	25.42170	34,000 ft	105	-
FIX	AWY-HI	64.85060	10,363 m	-	
BINUR	G208	26.00000	34,000 ft	37	-
FIX	AWY-HI	64.58390	10,363 m	-	
PG	G208	26.95280	34,000 ft	62	PANJGUR
VOR	AWY-HI	64.13700	10,363 m	-	
PG	-	26.95560	34,000 ft	0	PANJGUR VOR-DME
DME	-	64.12530	10,363 m	-	
KEBUD	G208	27.59780	34,000 ft	78	-
FIX	AWY-HI	62.84000	10,363 m	-	
SODOK	L124	28.18690	34,000 ft	74	-
FIX	AWY-HI	61.61440	10,363 m	-	
DANIX	Q13	28.98750	34,000 ft	62	-
FIX	AWY-HI	60.86110	10,363 m	-	
DANOV	T216	29.24560	34,000 ft	28	-
FIX	AWY-HI	60.39920	10,363 m	-	
MIRAD	T216	29.69280	34,000 ft	36	-
FIX	AWY-HI	59.92250	10,363 m	-	
SITAK	T216	30.52110	34,000 ft	77	-
FIX	AWY-HI	58.78940	10,363 m	-	
DAR	T216	31.78320	34,000 ft	119	DARBAND
VOR	AWY-HI	56.99460	10,363 m	-	
NIVRA	G208	31.98470	34,000 ft	21	-
FIX	AWY-HI	56.63610	10,363 m	-	
SOGOT	G208	32.66890	34,000 ft	75	-
FIX	AWY-HI	55.39420	10,363 m	-	
NODLA	G208	32.89170	34,000 ft	24	-
FIX	AWY-HI	54.98060	10,363 m	-	
VAXUG	G208	33.52530	34,000 ft	67	-
FIX	AWY-HI	53.87780	10,363 m	-	
RADAL	G208	34.90640	34,000 ft	112	-
FIX	AWY-HI	52.33970	10,363 m	-	
TRN	J7	35.69700	34,000 ft	70	TEHRAN
VOR	AWY-HI	51.28380	10,363 m	-	
DAMOS	UM573	37.43860	34,000 ft	199	-
FIX	AWY-HI	47.75580	10,363 m	-	
TBZ	UM573	38.13910	34,000 ft	83	TABRIZ VORTAC
DME	AWY-HI	46.23090	10,363 m	-	
TBZ	-	38.14820	34,000 ft	1	TABRIZ

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	-	46.21270	10,363 m		
VUVAG	R660	38.42470	34,000 ft	37	-
FIX	AWY-HI	45.49060	10,363 m		
BORES	R660	38.47470	34,000 ft	6	-
FIX	AWY-HI	45.36030	10,363 m		
DASIS	R660	38.90860	34,000 ft	59	-
FIX	AWY-HI	44.20810	10,363 m		
ERZ	R660	39.95670	34,000 ft	152	ERZURUM
VOR	AWY-HI	41.20710	10,363 m		
ERZ	-	39.95880	34,000 ft	2	ERZURUM TACAN
DME	-	41.15310	10,363 m		
HOCAM	UL851	40.24580	34,000 ft	23	-
FIX	AWY-HI	40.82000	10,363 m		
BAVTI	UW71	40.66280	34,000 ft	35	-
FIX	AWY-HI	40.25460	10,363 m		
TBN	UL851	40.99530	34,000 ft	28	TRABZON
VOR	AWY-HI	39.79560	10,363 m		
ERIDU	UL851	41.21530	34,000 ft	31	-
FIX	AWY-HI	39.16980	10,363 m		
TOLUN	UL851	41.34000	34,000 ft	18	-
FIX	AWY-HI	38.79000	10,363 m		
OLUPO	UL851	41.70860	34,000 ft	55	-
FIX	AWY-HI	37.66190	10,363 m		
KARDE	UL851	41.90390	34,000 ft	29	-
FIX	AWY-HI	37.04530	10,363 m		
KUGOS	UL851	42.78060	34,000 ft	141	-
FIX	AWY-HI	34.08780	10,363 m		
SUGUL	L851	43.11830	34,000 ft	53	-
FIX	AWY-HI	32.97170	10,363 m		
LAGIR	L851	43.29330	34,000 ft	30	-
FIX	AWY-HI	32.31500	10,363 m		
ROMOK	L851	43.47330	34,000 ft	27	-
FIX	AWY-HI	31.72830	10,363 m		
BANUR	L851	43.68330	34,000 ft	35	-
FIX	AWY-HI	30.96670	10,363 m		
ADINA	L851	43.80330	34,000 ft	21	-
FIX	AWY-HI	30.50500	10,363 m		
GALMI	L624	44.13330	34,000 ft	28	-
FIX	AWY-HI	30.02560	10,363 m		
LUPUK	L624	44.41280	34,000 ft	24	-
FIX	AWY-HI	29.61280	10,363 m		
TIRVO	L624	44.99250	34,000 ft	51	-
FIX	AWY-HI	28.73640	10,363 m		
DUNAV	L624	45.12720	34,000 ft	13	-
FIX	AWY-HI	28.48190	10,363 m		
GLT	L624	45.41640	34,000 ft	29	GALATI
VOR	AWY-HI	27.92780	10,363 m		
BCU	P746	46.51090	34,000 ft	80	BACAU
VOR	AWY-HI	26.82560	10,363 m		
INBID	L623	46.79360	34,000 ft	30	-
FIX	AWY-HI	26.20940	10,363 m		
BUKUR	L623	47.12030	34,000 ft	35	-
FIX	AWY-HI	25.47860	10,363 m		
BIBOR	L623	47.26920	34,000 ft	16	-
FIX	AWY-HI	25.13920	10,363 m		
RUMUK	L623	48.02670	34,000 ft	85	-

Ident Type		Via	Lat Lon	Alt	Dist (nm)	Name
FIX		AWY-HI	23.34330	10,363 m		
SR		W425	48.52110	34,000 ft	44	SEREDNIE
NDB		AWY-LO	22.50890	10,363 m		
LASOT		W425	48.63470	34,000 ft	12	-
FIX		AWY-LO	22.24580	10,363 m		
BIDLI		W425	48.65000	34,000 ft	11	-
FIX		AWY-LO	21.94920	10,363 m		
EVULA		W425	48.66420	34,000 ft	11	-
FIX		AWY-LO	21.66280	10,363 m		
KSC		W425	48.68310	34,000 ft	16	KOSICE
VOR		AWY-LO	21.24820	10,363 m		
EXIDA		A42	48.66750	34,000 ft	6	-
FIX		AWY-LO	21.09110	10,363 m		
DEDIS		A42	48.63060	34,000 ft	14	-
FIX		AWY-LO	20.72560	10,363 m		
TAKOS		A42	48.58250	34,000 ft	18	-
FIX		AWY-LO	20.26670	10,363 m		
TAGOD		A42	48.51080	34,000 ft	26	-
FIX		AWY-LO	19.61580	10,363 m		
KULIN		A42	48.49220	34,000 ft	6	-
FIX		AWY-LO	19.45140	10,363 m		
SLC		A42	48.45330	34,000 ft	13	SLIAC
VOR		AWY-LO	19.11590	10,363 m		
ULPIS		A42	48.39360	34,000 ft	16	-
FIX		AWY-LO	18.71640	10,363 m		
NIT		A42	48.29060	34,000 ft	27	NITRA
VOR		AWY-LO	18.05060	10,363 m		
OKR		R23	48.22390	34,000 ft	30	STEFANIK NORTH
NDB		AWY-LO	17.29030	10,363 m		
TOVKA		M141	48.27030	34,000 ft	14	-
FIX		AWY-LO	16.92640	10,363 m		
STO	-		48.41710	34,000 ft	37	STOCKERAU
VOR	-		16.01860	10,363 m		
LNZ	J21		48.22970	34,000 ft	77	LINZ
VOR	AWY-LO		14.10320	10,363 m		
EDDM	-		48.35380	0 ft	92	Muenchen International Airport Franz-Josef Strauss
APT	-		11.78610	0 m		

VABB

Region: INDIA
Timezone: ASIA/KOLKATA
Runways: 2

Elevation: 39 ft / 12 m
Location: 19.089100 72.865600
Magnetic Var: 0.257 E

METAR

VABB 160100Z 17003KT 2500 BR FEW020 SCT100 30/28 Q1009 NOSIG

TAF

TAF VABB 152300Z 1600/1706 03005KT 3000 BR HZ FEW100 BECMG 1603/1605 13005KT 3000 HZ FU FEW020 SCT025 BECMG 1606/1

Frequencies

REC - 126.40 MHz - MUMBAI INFORMATION	GND - 121.75 MHz - MUMBAI GROUND
GND - 121.85 MHz - MUMBAI GROUND	GND - 121.90 MHz - MUMBAI GROUND
TWR - 118.10 MHz - MUMBAI TOWER	TWR - 122.50 MHz - MUMBAI TOWER
APP - 119.30 MHz - MUMBAI APPROACH	APP - 120.35 MHz - MUMBAI APPROACH
APP - 127.90 MHz - MUMBAI APPROACH	APP - 120.50 MHz - MUMBAI RADAR
APP - 125.35 MHz - MUMBAI RADAR	APP - 132.70 MHz - MUMBAI RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	197 ft	11,297 ft	89.15	ASPHALT	466 ft	0 ft
	60 m	3,443 m	88.89		142 m	0 m
27	197 ft	11,297 ft	269.16	ASPHALT	1,585 ft	135 ft
	60 m	3,443 m	268.90		483 m	41 m
14	150 ft	9,434 ft	134.27	ASPHALT	1,339 ft	203 ft
	46 m	2,875 m	134.02		408 m	62 m
32	150 ft	9,434 ft	314.28	ASPHALT	853 ft	203 ft
	46 m	2,875 m	314.02		260 m	62 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	IBOM	109.50 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
14	DME	IBBY	110.10 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
27	DME	ISCZ	110.30 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
09	LOC-ILS	IBOM	109.50 MHz	18 nm	89.16	-	39 ft
				33 km	88.90		39 m
14	LOC-ILS	IBBY	110.10 MHz	18 nm	134.28	-	39 ft
				33 km	134.02		39 m
27	LOC-ILS	ISCZ	110.30 MHz	18 nm	269.16	-	39 ft
				33 km	268.90		39 m
09	GS	IBOM	109.50 MHz	10 nm	89.16	3.00	39 ft
				19 km	88.90		39 m
14	GS	IBBY	110.10 MHz	10 nm	134.28	3.00	39 ft
				19 km	134.02		39 m
27	GS	ISCZ	110.30 MHz	10 nm	269.16	3.30	39 ft
				19 km	268.90		39 m

EDDM

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 2

Elevation: 1,484 ft / 452 m
Location: 48.353800 11.786100
Magnetic Var: 3.942 E

METAR

EDDM 160050Z AUTO 06003KT 020V080 CAVOK 13/08 Q1006 BECMG 21005KT

TAF

TAF EDDM 152300Z 1600/1706 12005KT CAVOK PROB30 TEMPO 1605/1607 4000 -RA BKN012 TEMPO 1616/1619 20015G25KT 4000 TS

Frequencies

REC - 123.12 MHz - MUENCHEN ATIS	COM - 122.80 MHz - MUENCHEN UNICOM
CLD - 121.72 MHz - MUENCHEN DELIVERY	GND - 121.97 MHz - MUENCHEN GROUND NORTH
GND - 121.82 MHz - MUENCHEN GROUND SOUTH	GND - 121.77 MHz - MUENCHEN APRON 1
GND - 121.70 MHz - MUENCHEN APRON 2	GND - 121.92 MHz - MUENCHEN APRON 3
TWR - 120.50 MHz - MUENCHEN TOWER SOUTH	TWR - 118.70 MHz - MUENCHEN TOWER NORTH
APP - 123.90 MHz - MUENCHEN RADAR NORTH	APP - 127.95 MHz - MUENCHEN RADAR SOUTH
APP - 128.25 MHz - MUENCHEN ARRIVAL NORTH	APP - 120.77 MHz - MUENCHEN ARRIVAL SOUTH
APP - 118.82 MHz - MUENCHEN DIRECTOR NORTH	APP - 132.30 MHz - MUENCHEN DIRECTOR SOUTH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08L	197 ft	13,135 ft	83.39	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.45		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.49		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.43		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.47		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	LOC-ILS	IMNE	109.50 MHz	18 nm	83.41	-	1,484 ft
				33 km	79.47		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.45		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.45		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.47		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.47		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.45		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.45		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.47		1,484 m