

ENR 4.1 - RADIO NAVIGATION AIDS & SYSTEMS

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
AGARTALA						
NDB	AT	237KHz	As ATS	235314.4N 0911438.0E		400W, Coverage 100KM. Refer NOTAM for latest
VOR	AAT	116.1MHz	H24	235322.4N 0911423.0E		200KM
DME	AAT	1195/1132MHz	H24	Colocated with VOR	21.9M	
LLZ (RWY18)	IAGE	110.3MHz	As ATS	235246.0N 0911446.0E		Coverage 45KM. Refer NOTAM for latest
GP (RWY18)		335MHz	As ATS			Coverage 18KM Refer NOTAM for latest
DME	IAGE	1001/1064MHz	As ATS	Colocated with GP (RWY18)	27.1M	
AGRA						
VOR	AGG	112.0MHz	As ATS	270901.7N 0775652.1E		100W. Refer NOTAM for latest
DME	AGG	1018/1081MHz	As ATS	Colocated with VOR		Refer NOTAM for latest watch hours
AGATTI						
NDB	AT	360KHz	As ATS	104953.8N 0721047.8E		100W, Coverage 100KM. Refer NOTAM for latest
DME		1193/1130MHz	As ATS	Colocated with NDB		200KM Refer NOTAM for latest
AHMEDABAD						
VOR	AAE	113.1MHz	H24	230405.4N 0723744.8E		
DME	AAE	1165/1102MHz	H24	Colocated with VOR	63.0M	
LLZ (RWY23)	IAHD	110.3MHz	H24	230349.9N 0723712.8E		Coverage 45KM
GP (RWY23)		335.0MHz	H24	230514.7N 0723837.2E		Coverage 18KM
DME (RWY23)	IAHD	1101/1064MHz	H24	Colocated with GP (RWY23)	63.4M	Coverage 100KM
LO	AH	215KHz	H24	230829.0N 0724158.8E		
OM (RWY23)		75MHz	H24	Colocated with LO		
ASR		2777/2870MHz	As per Notam	230414.7N 0723752.2E		
MSSR		1030/1090MHz	H24	Colocated with ASR		
ALIGARH						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VOR	ALI	117.9MHz	H24	274945.5N 0781042.0E		
DME	ALI	1113/1150MHz	H24	Colocated with VOR		
AMRITSAR						
NDB	AR	351KHz	H24	314231.0N 0744851.5E		100W
VOR	AAR	115.5MHz	H24	314225.0N 0744803.0E		
DME	AAR	1126/1189MHz	H24	Colocated with VOR	237.7M	
LLZ (RWY34)	IAMR	109.5MHz	H24	314316.0N 0744729.5E		
GP (RWY34)		332.6MHz	H24	314202.0N 0744810.5E		
DME (RWY34)	IAMR	993/1056MHz	H24	Colocated with GP (RWY34)	242.3M	
AURANGABAD						
NDB	AU	205KHz	H24	195138.0N 0752354.6E		400W, Coverage 150KM
VOR	AAU	116.3MHz	H24	195153.0N 0752338.6E		
DME	AAU	1197/1134MHz	H24	Colocated with VOR	590M	Coverage 200KM
LLZ (RWY27)	IAUR	110.1MHz	As ATS	195146.7N 0752305.6E		
GP (RWY27)		334.4MHz	As ATS	195144.0N 0752424.2E		
DME (RWY27)	IAUR	999/1062MHz	As ATS	Colocated with GP (RWY27)	566M	
BAGDOGRA						
VOR	BBD	116.6MHz	As ATS	264126.06N 0881935.2E		Refer NOTAM for latest watch hours
DME	BBD	12001137MHz	As ATS	Colocated with VOR		Refer NOTAM for latest watch hours
BANGALORE						
NDB	BG	363KHz	H24	125810.0N 0774250.6E		400W, Coverage 150KM
VOR	BBG	115.5MHz	H24	125659.1N 0774051.6E		Coverage 250KM
DME	BBG	1126/1189MHz	H24	Colocated with VOR	895.0M	Coverage 200KM
LLZ (RWY27)	IBLR	110.5MHz	H24	125650.0N 0773909.0E		
GP (RWY27)		329.6MHz	H24	125701.3N 0774055.6E		Coverage 18KM

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
DME (RWY27)	IBLR	1066/1003MHz	H24	Colocated with GP (RWY27)	897.0M	Coverage 100KM
BARAPANI (SHILLONG)						
NDB	BR	320KHz	As ATS	254222.0N 0915833.0E		Refer NOTAM for latest watch hours
VOR	BPN	116.0MHz	As ATS	254223.4N 0915843.3E		Refer NOTAM for latest watch hours
DME	BPN	1131/1194MHz	As ATS	Colocated with VOR		Refer NOTAM for latest watch hours
BEHRAMPUR						
MSSR		1030/1090MHz	H24	192600.0N 0845208.0E		Radar Site
BELGAUM						
VOR	BBM	112.1MHz	H24	155122.2N 0743701.0E		Coverage 250KM
DME	BBM	1082/1019MHz	H24	Colocated with VOR		Coverage 200KM
BELLARY						
VOR	BBI	112.8MHz	H24	150954.4N 0765250.0E		
DME	BBI	1162/1099MHz	H24	Colocated with VOR		
BHAVNAGAR						
VOR	BVR	114.1MHz	H24	214507.3N 0721126.1E		
DME	BVR	1175/1112MHz	H24	Colocated with VOR	13.0M	
LLZ (RWY25)	IBHR	109.9MHz	As ATS	214454.9N 0721034.1E		
GP (RWY25)		333.8MHz	As ATS	214519.9N 0721128.4E		
DME	IBHR	1060/997MHz	As ATS	Colocated with GP (RWY25)	21.0M	
BHOPAL						
VOR	BPL	117.1MHz	H24	231657.9N 0772009.1E		Coverage 280KM
DME	BPL	1205/1142MHz	H24	Colocated with VOR	531.6M	
LLZ (RWY30)	IBPH	109.9MHz	As ATS	231733.9N 0771919.5E		Coverage 45KM Refer NOTAM for latest
GP (RWY30)		333.8MHz	As ATS	231705.9N 0772007.6E		18KM Refer NOTAM for latest
DME (RWY30)	IBPH	1060/997MHz	As ATS	Colocated with GP (RWY30)	534.6M	Refer NOTAM for latest watch hours

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
LO	BH	363KHz	As ATS	231433.0N 0772540.5E		Refer NOTAM for latest watch hours
OM (RWY30)		75MHz	As ATS	Colocated with LO		Refer NOTAM for latest watch hours
BHUBANESWAR						
NDB	BS	302KHz	H24	201530.0N 0854859.0E		
VOR	BBS	113.5MHz	H24	201437.2N 0854847.7E		
DME	BBS	1106/1169MHz	H24	Colocated with VOR	37.0M	
LLZ (RWY14)	IBHR	109.1MHz	As ATS	201422.2N 0854917.7E		Refer NOTAM for latest watch hours
GP (RWY14)		331.4MHz	As ATS	201516.2N 0854830.7E		Refer NOTAM for latest watch hours
DME (RWY14)	IBHR	989/1052MHz	As ATS	Colocated with GP (RWY14)	13.7M	Refer NOTAM for latest watch hours
BHUJ						
VOR	BHU	112.6MHz	As ATS	231630.3N 0694000.9E		Refer NOTAM for latest watch hours
DME		1160/1097MHz	As ATS	Colocated with VOR		Refer NOTAM for latest watch hours
BIKANER (LUNKA 1)						
VOR	LUN	117.6MHz	H24	283309.8N 0774715.6E		
DME	LUN	1210/1147MHz	H24	Colocated with VOR		
BIKANER (LUNKA 2)						
VOR	LKA	114.0MHz	H24	281120.4N 0740641.3E		
DME	LKA	1111/1174MHz	H24	Colocated with VOR		
CALICUT						
NDB	CL	303KHz	H24	110833.5N 0755651.4E		100W, Coverage 150KM Refer NOTAM for latest
VOR	CLC	116.5MHz	H24	110806.5N 0755717.5E		
DME	CLC	1199/1136MHz	H24	Colocated with VOR	109.0M	
LLZ (RWY28)	ICAC	109.5MHz	H24	110819.3N 0755629.3E		Refer NOTAM for latest watch hours
GP (RWY28)		332.6MHz	H24	110804.8N 0755758.3E		Refer NOTAM for latest watch hours
DME (RWY28)	ICAC	1056/993MHz	H24	Colocated with GP (RWY28)	102.4M	Refer NOTAM for latest watch hours

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
CHANDIGARH						
VOR	CHG	116.5MHz	As ATS	304003.4N 0801014.5E		Refer NOTAM for latest watch hours
DME	CHG	1199/1136MHz	As ATS	Colocated with VOR		Refer NOTAM for latest watch hours
CHENNAI						
VOR	MMV	112.5MHz	H24	125936.1N 0801014.5E		Coverage 280KM
DME	MMV	1159/1096MHz	H24	Colocated with VOR	13.4M	
LLZ (RWY07)	IMAS	110.3MHz	H24	125950.3N 0801115.2E		Coverage 45KM
GP (RWY07)		335.0MHz	H24	125910.9N 0800917.7E		Coverage 18KM
DME	IMAS	110.3MHz	H24	Colocated with GP (RWY07)	13.3M	Coverage 90KM
LO	MA	228KHz	H24	125720.1N 0800429.6E		
OM (RWY07)		75MHz	H24	Colocated with LO		
LM	AS	211KHz	H24	125851.1N 0800837.5E		
MM (RWY07)		75MHz	H24	Colocated with ML		
ASR		2777/2870Mhz	H24	125943.1N 0801028.5E		
MSSR		1030/1090MHz	H24	Colocated with ASR		
COCHIN INTERNATIONAL						
NDB	CA	268KHz	H24	100226.8N 0761644.3E		
VOR 1	CIA	113.5MHz	H24	100901.8N 0762221.3E		
DME 1	CIA	1169/1106MHz	H24	Colocated with VOR 1	15.0M	
VOR 2	CIB	117.3MHz	As ATS	100700.8N 0764050.1E		Refer NOTAM for latest watch hours
DME 2	CIB	1207/1144MHz	As ATS	Colocated with VOR 2		Refer NOTAM for latest watch hours
LLZ (RWY27)	ICIL	110.3MHz	H24	100900.8N 0762253.3E		
GP (RWY27)		335.0MHz	H24	100901.7N 0762447.3E		
DME (RWY27)	ICIL	1001/1064MHz	H24	Colocated with GP (RWY27)	12.0M	
LO	CI	217KHz	H24	100903.8N 0762859.2E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
OM (RWY27)		75MHz	H24	Colocated with LO		Coverage 50KM
LM	IL		H24	100903.8N 0762439.3E		
MM (RWY27)		75MHz	H24	Colocated with LM		
COIMBATORE						
NDB	CB	354KHz	As ATS	110125.6N 0770250.0E		Refer NOTAM for latest watch hours
VOR	CCB	112.9MHz	H24	110201.6N 0770253.0E		
DME	CCB	1100/1163MHz	H24	Colocated with VOR	395.3M	
LLZ (RWY23)	ICMB	109.1MHz	As ATS	110121.6N 0770205.0E		Refer NOTAM for latest watch hours
GP (RWY23)		331.4MHz	As ATS	110210.6N 0770302.0E		Refer NOTAM for latest watch hours
DME (RWY23)	ICMB	989/1052MHz	As ATS	Colocated with GP (RWY23)	401.4M	Refer NOTAM for latest watch hours
DEHRADUN						
NDB	JG	375KHz	As ATS	301123.6N 0781027.8E		100W, Coverage 85KM Refer NOTAM for latest
DELHI						
NDB	DP	274KHz	H24	283511.6N 0765952.6E		100W
NDB	DH	202KHz	H24	283403.4N 0771209.2E		
VOR	DPN	116.1MHz	H24	283400.2N 0770542.1E		
DME	DPN	1132/1195MHz	H24	Colocated with VOR	231.7M	
LLZ (RWY28)	IPLM	110.3MHz	H24	283405.2N 0770451.9E		
GP (RWY28)		335.0MHz	H24	283336.9N 0770709.7E		
DME (RWY28)	IPLM	1001/1064MHz	H24	Colocated with GP (RWY28)	231.7M	
LO (RWY28)	PL	303KHz	H24	283227.2N 0771156.6E		
OM (RWY28)		75MHz	H24	Colocated with LO (RWY28)		
LM (RWY28)	LM	320KHz	H24	283321.5N 0770801.9E		
MM (RWY28)		75MHz	H24	Colocated with LM (RWY28)		
LLZ (RWY27)	IDLH	110.5MHz	H24	283414.4N 0770456.5E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
GP (RWY27)		329.6MHz	H24	283409.1N 0770644.7E		
DME (RWY27)	IDLH	1003/1066MHz	H24	Colocated with GP (RWY27)	232.0M	
LLZ (RWY10)	IDEL	109.5MHz	H24	283328.2N 0770732.1E		
GP (RWY10)		332.6MHz	H24	283402.6N 0770516.4E		
DME (RWY10)	IDEL	993/1056MHz	H24	Colocated with GP (RWY10)	224.6M	
ASR		2765, 2766MHz/	H24	283357.8N 0770615.3E		
MSSR		1030/1090MHz	H24	Colocated with ASR		
RSR		1290, 1291MHz/	H24	283142.5N 0770316.8E		
MSSR		1030/1090Mhz	H24	Colocated with RSR		
ASMGCS		9170/9438MHz 1030/1090MHz	H24	283329.5N 0770538.9E		
DIBRUGARH						
NDB	DBR	265KHz	As ATS	272755.7N 0950107.0E		400W Refer NOTAM for latest
VOR	DRG	117.3MHz	As ATS	272918.1N 0950114.4E		Refer NOTAM for latest watch hours
DME	DRG	1144/1207MHz	As ATS	Colocated with VOR	116.4M	Refer NOTAM for latest watch hours
LLZ (RWY05)	IDIB	109.5MHz	As ATS	272920.7N 0950131.9E		Refer NOTAM for latest watch hours
GP (RWY05)		332.6MHz	As ATS	272837.4N 0950051.8E		Refer NOTAM for latest watch hours
DME (RWY05)	IDIB	993/1056MHz	As ATS	Colocated with GP (RWY05)	126.8M	Refer NOTAM for latest watch hours
DIMAPUR						
NDB	MR	422KHz	As ATS	255302.1N 0934603.7E		100W Refer NOTAM for latest
VOR	DMR	114.5MHz	As ATS	255251.0N 0934653.7E		Refer NOTAM for latest watch hours
DME	DMR	1116/1179MHz	As ATS	Colocated with VOR	161.2M	Refer NOTAM for latest watch hours
LLZ (RWY12)	IDMP	109.3MHz	As ATS	255242.0N 0934658.2E		
GP (RWY12)		332.0MHz	As ATS	255306.2N 0934606.7E		
DME (RWY12)	IDMP	1054/991MHz	As ATS	Colocated with GP (RWY12)		
DIU						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
NDB	DU	307KHz	As ATS	204248.0N 0705519.0E		100W Refer NOTAM for latest
GAYA						
VOR	GGC	115.0MHz	H24	244430.8N 0845637.9E		
DME	GGC	1121/1184MHz	H24	Colocated with VOR	119.5M	
GOA						
VOR	GGO	113.6MHz	H24	152247.3N 0734845.4E		
DME	GGO	1107/1170MHz	H24	Colocated with VOR		
GULBARGA						
VOR	GGB	116.0MHz	H24	171848.8N 0764811.0E		
DME	GGB	1131/1194MHz	H24	Colocated with VOR		
GAGGAL						
NDB	KN	237KHz	As ATS	320954.9N 0761542.7E		125W Refer NOTAM for latest
GUWAHATI						
NDB	GT	360KHz	As ATS	260631.8N 0913609.6E		400W Refer NOTAM for latest
VOR	GGT	117.6MHz	As ATS	260608.8N 0913506.7E		
DME	GGT	1147/1210MHz	As ATS	Colocated with VOR	57.3M	
LLZ (RWY02)	IGHT	110.3MHz	As ATS	260710.8N 0913529.6E		
GP (RWY02)		335.0MHz	As ATS	260547.8N 0913454.7E		
DME (RWY02)	IGHT	1001/1064MHz	As ATS	Colocated with GP (RWY02)	62.5M	
LO	GH	401KHz	As ATS	260216.8N 0913312.7E		
OM		75MHz	As ATS	Colocated with LO		
MM		75MHz	As ATS	260504.2N 0913430.0E		
ASR		2740MHz	As ATS	260635.8N 0781336.5E		
MSSR		1030/1090MHz	As ATS	Colocated with ASR		
GWALIOR						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VOR	GWA	112.8MHz	As ATS	261747.1N 0781336.5E		Refer NOTAM for latest watch hours
DME	GWA	1099/1162MHz	As ATS	Colocated with VOR		
HUBLI						
NDB	HB	402KHz	As ATS	152130.3N 0750500.8E		
HYDERABAD						
VOR	HHY	114.7MHz	H24	172716.0N 0782727.0E		
DME	HHY	1118/1181MHz	H24	Colocated with VOR	527.9M	
LLZ (RWY27)	IHYD	110.1MHz	H24	172710.8N 0782705.2E		
GP (RWY27)		334.4MHz	H24	172714.8N 0782827.2E		
DME (RWY27)	IHYD	999/1062MHz	H24	Colocated with GP (RWY27)	538.3M	
LO	HY	256KHz	H24	172716.8N 0783335.1E		
OM		75MHz	H24	Colocated with LO		
MM		75MHz	H24	172713.8N 0782928.2E		
ASR		2790/2800MHz	H24	172724.8N 0782722.2E		
MSSR		1030/1090MHz	H24	Colocated with ASR		
IMPHAL						
NDB	IM	289KHz	As ATS	244529.4N 0935320.7E		400W
VOR	IIM	115.9MHz	As ATS	244529.4N 0935351.8E		
DME	IIM	1130/1193MHz	As ATS	Colocated with VOR	780.3M	
LLZ (RWY04)	IIPH	110.3MHz	As ATS	244621.4N 0935425.0E		
GP (RWY04)		335.0MHz	As ATS	244503.6N 0935331.4E		
DME (RWY04)	IIPH	10011064MHz	As ATS	Colocated with GP (RWY04)	777.0M	
INDORE						
NDB	ID	335KHz	As ATS	224347.1N 0754836.3E		400W
VOR	IID	116.7MHz	As ATS	224322.1N 0754824.3E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
DME	IID	1138/1201MHz	As ATS	Colocated with VOR	561.7M	
LLZ (RWY25)	IIDR	110.9MHz	As ATS	224258.1N 0754719.3E		
GP (RWY25)		330.8MHz	As ATS	224329.1N 0754835.3E		
DME (RWY25)	IIDR	1007/1070MHz	As ATS	Colocated with GP (RWY25)	559.5M	
JABALPUR						
VOR	JJB	113.6MHz	As ATS	231048.6N 0800333.6E		
DME	JJB	1107/1170MHz	As ATS	Colocated with VOR	531.6M	
JAIPUR						
VOR	JJP	112.9MHz	H24	264930.7N 0754801.2E		
DME	JJP	1100/1163MHz	H24	Colocated with VOR	385.0M	
LLZ (RWY27)	IJIP	109.9MHz	H24	264921.7N 0754745.2E		
GP (RWY27)		333.8MHz	H24	264924.7N 0754923.3E		
DME (RWY27)	IJIP	997/1060MHz	H24	Colocated with GP (RWY27)	380.6M	
LO	JI	295KHz	H24	264952.8N 0755351.0E		
OM		75MHz	H24	Colocated with LO		
MM		75MHz	H24	264935.9N 0755011.4E		
JAMSHEDPUR						
VOR	JJS	115.4MHz	H24	224847.3N 0861026.2E		
DME	JJS	1125/1188MHz	H24	Colocated with VOR		
JAMNAGAR						
VOR	JAM	115.0MHz		222809.3N 0701018.0E		
DME	JAM	1121/1184MHz		Colocated with VOR		
JAMMU						
VOR	JJU	113.3MHz	As ATS	324129.6N 0745015.5E		
DME	JJU	1167/1190	As ATS	Colocated with VOR		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
LLZ (RWY36)	IJMU	110.1MHz	As ATS	324204.6N 0745014.4E		
GP (RWY36)		334.4MHz	As ATS	324105.6N 0745012.5E		
DME (RWY36)	IJMU	9991062MHz	As ATS	Colocated with GP (RWY36)		
JODHPUR						
VOR	JJO	112.3MHz	As ATS	261407.6N 0730258.5E		
DME	JJO	1094/1157MHz	As ATS	Colocated with VOR		
JORHAT						
VOR	JHT	112.1MHz	As ATS	264326.8N 0940954.6E		
DME	JHT	1019/1082MHz		Colocated with VOR		
JHARSUGDA						
NDB	JH	314KHz	H24	215347.6N 0840219.5E		125W
KANCHEEPURAM						
VOR	KKP	115.4MHz	H24	124715.1N 0794244.7E		
DME	KKP	1125/1188MHz	H24	Colocated with VOR		
KANDLA						
NDB	KD	335KHz	As ATS	230641.9N 0700627.1E		
KATI HAR						
NDB	KH	242KHz	As ATS	253401.7N 0873320.6E		
KESHOD						
NDB	KS	282KHz	As ATS	211906.5N 0701542.0E		
KHAJURAHO						
NDB	KJ	403KHz	As ATS	244913.5N 0795500.3E		
VOR	KKJ	116.4MHz	H24	244853.5N 0795507.3E		
DME	KKJ	1135/1198MHz	H24	Colocated with VOR	224.6M	
LLZ (RWY19)	IKJR	110.7MHz	As ATS	244837.5N 0795500.3E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
GP (RWY19)		330.2MHz	As ATS	244929.5N 0795518.2E	222.0M	
DME (RWY19)	IKJR	1005/1068MHz	As ATS	Colocated with GP (RWY19)		
KHAMAMPET						
NDB	KM	340KHz	As ATS	171545.0N 0800815.0E		100W
KISHANGANJ						
NDB	KG	263KHz	As ATS	260604.5N 0875630.3E		125W
KOLHAPUR						
NDB	KP	334KHz	As ATS	163955.0N 0741729.0E		
KOLKATA						
VOR	CEA	112.5MHz	H24	223842.6N 0882710.4E		
DME	CEA	1159/1096MHz	H24	Colocated with VOR	16.8M	
LLZ (RWY01R)	ICAL	109.9MHz	H24	224041.6N 0882700.4E		
GP (RWY01R)		333.8MHz	H24	223840.6N 0882652.4E		
DME (RWY01R)	ICAL	997/1060MHz	H24	Colocated with GP (RWY 01R)	19.8M	
LO (RWY01R)	CA	293KHz	H24	223501.6N 0882623.8E		
OM (RWY01R)		75MHz	H24	Colocated with LO		
LLZ (RWY19L)	IDUM	110.3MHz	H24	223819.6N 0882645.4E		
GP (RWY19L)		335.0Mhz	H24	224005.6N 0882659.4E		
DME (RWY19L)	IDUM	1001/1064MHz	H24	Colocated with GP (RWY 19L)	19.2M	
LO (RWY19L)	DU	385KHz	H24	224424.6N 0882727.4E		
OM (RWY19L)		75MHz	H24	Colocated with LO		
KOTA						
NDB	KO	284KHz	2 Hrs prior notice	250956.3N 0755037.2E		
KULLU-MANALI (BHUNTAR)						
NDB	BNR	334KHz	As ATS	315254.0N 0770905.3E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
LEH						
VOR	LLH	115.7MHz		340504.2N 0773438.2E		
DME	LLH	1128/1191MHz		Colocated with VOR		
LENGPUI						
NDB	LP	344KHz	As ATS	235005.6N 0923722.4E		
VOR	LLP	114.2MHz	As ATS	234950.6N 0923724.4E		
DME	LLP	1113/1176MHz	As ATS	Colocated with VOR		
LILABARI						
NDB	NR	381KHz	As ATS	271713.0N 0940527.0E		
VOR	LBR	116.5MHz	As ATS	271734.7N 0940548.8E		
DME	LBR	1136/1199MHz	As ATS	Colocated with VOR		100W
LUCKNOW						
VOR	LLK	113.1MHz	H24	264543.9N 0805249.7E		
DME	LLK	1102/1165MHz	H24	Colocated with VOR		
LLZ (RWY27)	ILUC	109.9MHz	H24	264537.9N 0805221.7E		
GP (RWY27)		333.8MHz	H24	264542.9N 0805338.7E		
DME (RWY27)	ILUC	997/1060MHz	H24	Colocate with GP (RWY27)		
LUDHIANA						
NDB	LD	380KHz	As ATS	305134.3N 0755753.0E		100W
MADURAI						
NDB	MD	400KHz	As ATS	095031.9N 0780558.5E		100W
VOR	MDI	116.1MHz	H24	094951.9N 0780520.5E		
DME	MDI	1132/1195MHz	H24	Colocated with VOR	154.0M	
MANGALORE						
NDB	ML	357KHz	As ATS	125747.5N 0745331.0E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VOR	MML	114.2MHz	H24	125740.6N 0745517.9E		
DME	MML	1113/1176MHz	H24	Colocated with VOR	112.2M	
LLZ (RWY27)	IMNG	110.1MHz	As ATS	125651.5N 0745228.9E		
GP (RWY27)		334.4MHz	As ATS	125735.3N 0745334.7E		
DME (RWY27)	IMNG	999/1162MHz	As ATS	Colocated with GP (RWY27)	100.9M	
MSSR		1030/1090MHz	H24	125827.5N 0745328.4E		
MUMBAI						
NDB	BMB	396KHz	H24	190518.0N 0724945.0E		
VOR	BBB	116.6MHz	H24	190507.4N 0725231.3E		
DME	BBB	1137/1200MHz	H24	Colocated with VOR	13.4M	
LLZ (RWY27)	ISCZ	110.3MHz	H24	190520.2N 0725252.8E		
GP (RWY27)		335.0MHz	H24	190516.2N 0725224.8E		
DME (RWY27)	ISCZ	1001/1064MHz	H24	Colocated with GP (RWY27)	19.2M	
LO	SC	345KHz	H24	190524.4N 0730103.4E		
OM (RWY27)		75MHz	H24	Colocated with LO		
LM	CZ	201KHz	H24	190521.2N 0725341.8E		
MM (RWY27)		75MHz	H24	Colocated with LM (RWY27)		
LLZ (RWY14)	IBBY	110.1MHz	H24	190519.2N 0725041.8E		
GP (RWY14)		330.3MHz	H24	190541.6N 0725146.5E		
DME (RWY14)	IBBY	993/1056MHz	H24	Colocated with GP (RWY14)	25.9M	
LLZ (RWY09)	IBOM	109.5MHz	H24	190447.2N 0725239.6E		
GP (RWY09)		332.6MHz	H24	190516.9N 0725107.2E		
DME (RWY09)	IBOM	1001/1064MHz	H24	Colocated with GP (RWY09)	5.8M	
ASDE		9375MHz		190546.0N 0725147.5E		
NAGPUR						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VOR	NNP	112.7MHz	H24	210452.7N 0790321.8E		
DME	NNP	1098/1161	H24	Colocated with VOR	313.3M	
LLZ (RWY32)	INGR	110.3MHz	H24	210641.7N 0790155.8E		
GP (RWY32)		335.0MHz	H24	210514.7N 0790258.8E		
DME (RWY32)	INGR	1001/1064MHz	H24	Colocated with GP (RWY32)	322.2M	
LO	NG	217KHz	H24	210205.7N 0790532.8E		
OM		75MHz	H24	Colocated with LO		
MM		75MHz	H24	210440.7N 0790331.8E		
MSSR		1030/1090MHz	H24			
PANTNAGAR						
NDB	HW	400KHz	As ATS	290152.1N 0792825.3E		100W, Coverage 150KM Refer NOTAM for latest
PATNA						
VOR	PPT	112.1MHz	H24	253525.5N 0850523.7E		
DME	PPT	1001/1064Mhz	H24	Colocated with VOR	59.0M	
LLZ (RWY25)	IPAT	110.3MHz	As ATS	253511.5N 0850433.8E		
GP (RWY25)		335.0MHz	As ATS	253537.5N 0850533.7E		
DME (RWY25)	IPAT	1001/1064MHz	As ATS	Colocated with GP (RWY25)	66.7M	
PRATAPGARH						
VOR	PRA	114.9MHz	H24	240213.7N 0744438.2E		
DME	PRA	1120/1183MHz	H24	Colocated with VOR		
PONDICHERRY						
NDB	OM	385KHz	As ATS	115758.4N 0794835.2E		125W, Coverage 150KM
PORBANDAR						
NDB	PR	344KHz	As ATS	213828.3N 0693945.3E		
PORTBLAIR						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VOR	PPB	115.7MHz	H24	113858.0N 0924450.0E		
DME	PPB	1128/1191MHz	As ATS	Colocated with VOR		
PUNE						
VOR	PUN	113.9MHz	H24	183448.3N 0735450.9E		
DME	PUN	1110/1173MHz	H24	Colocated with VOR		
RAIPUR						
VOR	RRP	116.1MHz	As ATS	211047.8N 0814433.5E		
DME	RRP	1132/1195MHz	As ATS	Colocated with VOR	324.0M	
LLZ (RWY24)	IRAI	110.3MHz	As ATS	211031.5N 0814347.7E		
GP (RWY24)		335.0MHz	As ATS	211057.7N 0814442.4E		
DME (RWY24)	IRAI	1001/106MHz	As ATS	Colocated with GP (RWY24)		
RAJAMUNDRY						
NDB	RY	366KHz	As ATS	170631.0N 0814918.0E		100W
RAJKOT						
NDB	RK	329KHz	As ATS	221839.1N 0704710.8E		100W
VOR	RKT	115.4MHz	As ATS	221847.1N 0704641.7E		
DME	RKT	1125/1188MHz	As ATS	Colocated with VOR	140.3M	
LLZ (RWY23)	IRAJ	100.9MHz	As ATS	221806.5N 0704700.5E		
GP (RWY23)		330.8MHz	As ATS	221844.0N 0704700.5E		
DME (RWY23)	IRAJ	1007/1070MHz	As ATS	Colocated with GP (RWY23)	130.6M	
RANCHI						
NDB	RC	285KHz	As ATS	231901.3N 0851918.8E		
VOR	RRC	116.9MHz	As ATS	231831.3N 0851935.8E		
DME	RRC	1140/1203MHz	As ATS	Colocated with VOR	650.7M	
LLZ (RWY31)	IRAN	110.5MHz	As ATS	231927.2N 0851834.8E		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
GP (RWY31)		329.6MHz	As ATS	231831.9N 0851957.5E		
DME (RWY31)	IRAN	1003/1066MHz	As ATS	Colocated with GP (RWY31)	648.6M	
REENGUS						
NDB	TRR	266KHz	H24	272200.5N 0753356.3E		400W
SHIMLA						
NDB	SH	398KHz	As ATS	310510.3N 0774229.2E		100W, Coverage 85KM
SIKANDARABAD						
VOR	SSB	112.4MHz	H24	282336.2N 0774229.2E		
DME	SSB	1095/1158MHz	H24	Colocated with VOR		
SAKRAS						
VOR	SKA	117.2MHz	H24	275054.4N 0770029.6E		
DME	SKA	1143/1206MHz	H24	Colocated with VOR		
SALEM						
NDB	SL	241KHz	As ATS	114657.4N 0780338.5E		125W
SILCHAR						
VOR	KKU	115.7MHz	As ATS	245449.0N 0925839.9E		
DME	KKU	1128/1191MHz	As ATS	Colocated with VOR		
SRINAGAR						
VOR	SNG	115.9MHz	As ATS	342012.0N 0744523.0E		
DME	SNG	1130/1193MHz	As ATS	Colocated with VOR		
SONGARH						
NDB	SG	358KHz	H24	211002.5N 0733357.4E		400W
SRI SATYA SAI						
NDB	SAI	241KHz	As ATS	140859.7N 0774704.6E		
SURAT						

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
NDB	SU	201KHz	As ATS	210656.5N 0724433.8E		
VOR	SUR	112.2MHz	As ATS	210838.2N 0724426.5E		
DME						
TIRUCHIRAPALLI						
NDB	TR	307KHz	As ATS	104459.7N 0784118.2E		
VOR	TTR	113.1MHz	H24	104544.7N 0784248.2E		
DME	TTR	1102/1165MHz	H24	Colocated with VOR	94.8M	
LLZ (RWY27)	ITCY	110.9MHz	As ATS	104555.2N 0784217.9E		
GP (RWY27)		330.8MHz	As ATS	104555.7N 0784314.2E		
DME (RWY27)	ITCY	1007/1070MHz	As ATS	Colocated with GP (RWY27)	113.0M	
TIRUPATI						
VOR	TTP	115.7MHz	As ATS	133805.9N 0793348.8E		
DME		1128/1191MHz	As ATS	Colocated with VOR	107.3M	
THIRUVANANTHAPURAM						
VOR	TVM	115.1MHz	H24	082831.3N 0765531.1E		
DME	TVM	1122/1185MHz	H24	Colocated with VOR	13.1M	
LLZ (RWY32)	ITDM	109.9MHz	H24	082940.2N 0765425.0E		
GP (RWY32)		333.8MHz	H24	082838.3N 0765534.0E		
DME (RWY32)	ITDM	997/1060MHz	H24	Colocated with GP (RWY32)	19.8M	
LO (RWY32)	TD	317KHz	H24	082541.3N 0765827.0E		
OM (RWY32)		75MHz	H24	Colocated with LO		
LM (RWY32)	DM	337KHz	H24	082803.3N 0765605.0E		
MM (RWY32)		75MHz	H24	Colocated with LM		
ASR		2740/2860MHz	As ATS	082850.3N 0765501.1E		
MSSR		1030/1090MHz	As ATS	Colocated with ASR		

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
TEJU						
NDB	TJ	339KHz	As ATS	275500.0N 0961000.0E		100W
TEZPUR						
VOR	TEZ	117.9MHz	As ATS	264239.8N 092465.4E		
DME	TEZ	1150/1213MHz	As ATS	Colocated with VOR		
TUTICORIN						
NDB	TU	376KHz	As ATS	084332.2N 0780132.5E		125W
UDAIPUR						
NDB	LU	384KHz	As ATS	243717.4N 0735644.2E		200W
VOR	UUD	115.9MHz	As ATS	243646.4N 0735338.7E		
DME	UUD	1130/1193MHz	As ATS	Colocated with VOR	524.0M	
LLZ (RWY26)	IUDR	109.9MHz	As ATS	243656.0N 0735301.0E		
GP (RWY26)		333.8MHz	As ATS	243710.0N 0735419.0E	512.2M	
DME (RWY26)	IUDR	997/1060MHz	As ATS	Colocated with GP		
VADODARA						
NDB	QZ	304KHz	As ATS	222005.2N 0731233.6E		100W
VOR	QQZ	117.3MHz	As ATS	221958.2N 0731330.5E		
DME	QQZ	1130/1193MHz	As ATS	Colocated with VOR	46.0M	
LLZ (RWY22)	IVDD	110.5MHz	As ATS	221938.0N 0731300.9E		
GP (RWY22)		329.6MHz	As ATS	222034.9N 0731353.9E		
DME (RWY22)	IVDD	1144/1207MHz	As ATS	Colocated with GP (RWY22)	54.6M	
VIJAYWADA						
NDB	BZ	393KHz	As ATS	163126.1N 0804717.1E		400W
VOR	BBZ	116.2MHz	As ATS	163115.0N 0804739.0E		
DME	BBZ	1196/1133MHz	As ATS	Colocated with VOR	22.7M	

Type of aid	ID	Frequency	Hours of operation	WGS-84 Coordinates	Elevation of DME Antenna	Remarks
VIKARABAD						
NDB	VB	321KHz	As ATS	172003.8N 0775355.5E		100W
VARANASI						
NDB	BN	222KHz	H24	252645.4N 0825057.8E		100W
VOR	BBN	113.9MHz	H24	252714.5N 0825133.3E		
DME	BBN	1110/1173MHz	H24	Colocated with VOR	89.9M	
LLZ (RWY27)	IVNS	109.9MHz	H24	252709.0N 0825044.8E		
GP (RWY27)		333.8MHz	H24	252703.4N 0825201.8E		
DME (RWY27)	IVNS	997/1060MHz	H24	Colocated with GP (RWY27)	93.8M	
VISHAKHAPATNAM						
NDB	VZ	244KHz	H24	174416.8N 0831510.0E		100W
VOR	VVZ	114.0MHz	H24	174003.9N 0831510.0E		
DME	VVZ	1111/1174MHz	H24	Colocated with VOR		