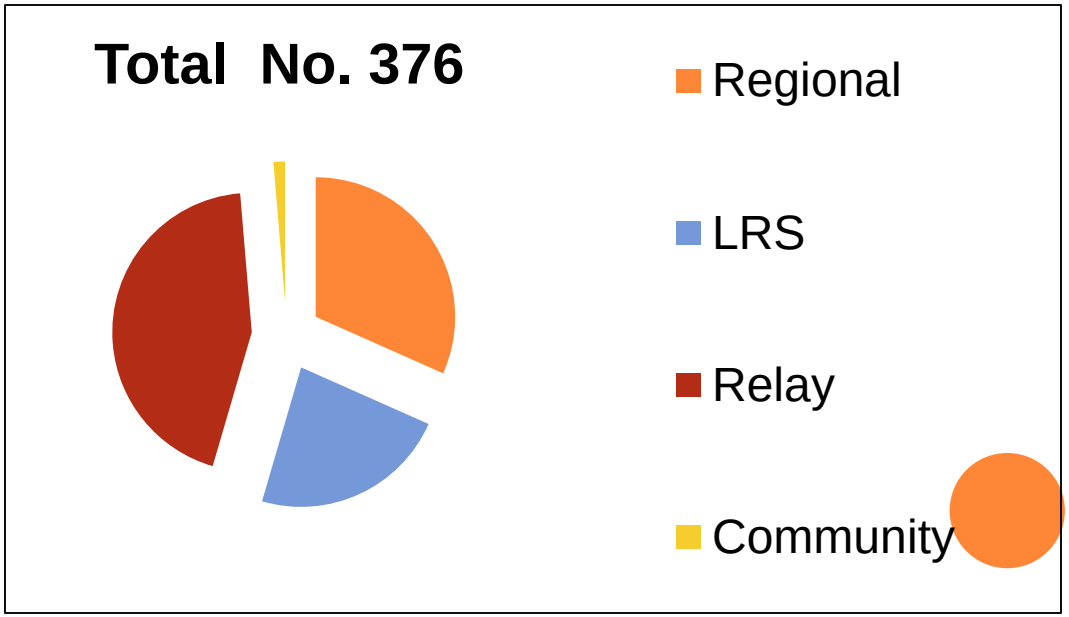
ALL INDIA RADIO

BROADCASTING NETWORK

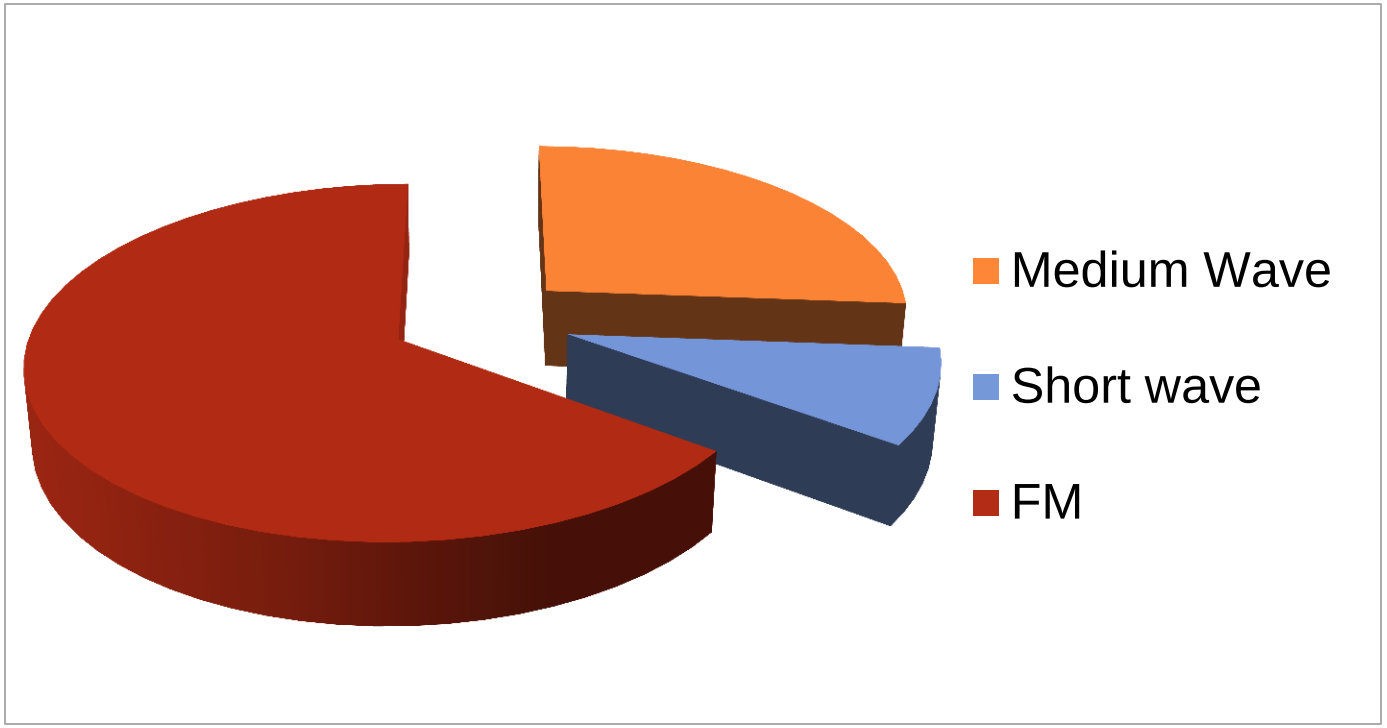
Total Broadcasting Centers	**376**
• Regional Stations	119
• Local Radio Stations	86
• Relay Centres	166
• Community Radio Stations	05



TRANSMITTERS

- **Medium Wave** **143**
- **Short Wave** **48**
- **FM** **355**

Radio Transmitters 546



COVERAGE

	By Area(%)	By Population(%)
a) Overall Coverage (MW+FM)	91.90	99. 20
b) FM Signal only	31.00	43.00
c) Medium Wave Signal only	90.63	98.41

TRANSMITTERS UNDER DIGITALISATION(MW)

S. No.	Power of Txs (kW)	Total No. of Txs.	DRM Txs (on completion of 11th Plan)	Remaining Txs
1.	1000	3	2	1
2.	300	11	11	0
3.	200	17	13	4
4.	100	26	18	8
5.	50	1	1	0
6.	20	46	27	19
7.	10	5	0	5
8.	1	34	0	34
	Total	143	72	71

TRANSMITTERS UNDER DIGITALISATION(SW)

S. No.	Power of Txs (kW)	Place	Status
1.	1x250kW	Khampur(Delhi)	Commissioned On 16.01.2009
1.	1x500kW	Bangalore	Under Commisioning
2.	2x100kW	Delhi	Order Placed
3.	2x250kW	Aligarh	Evaluation

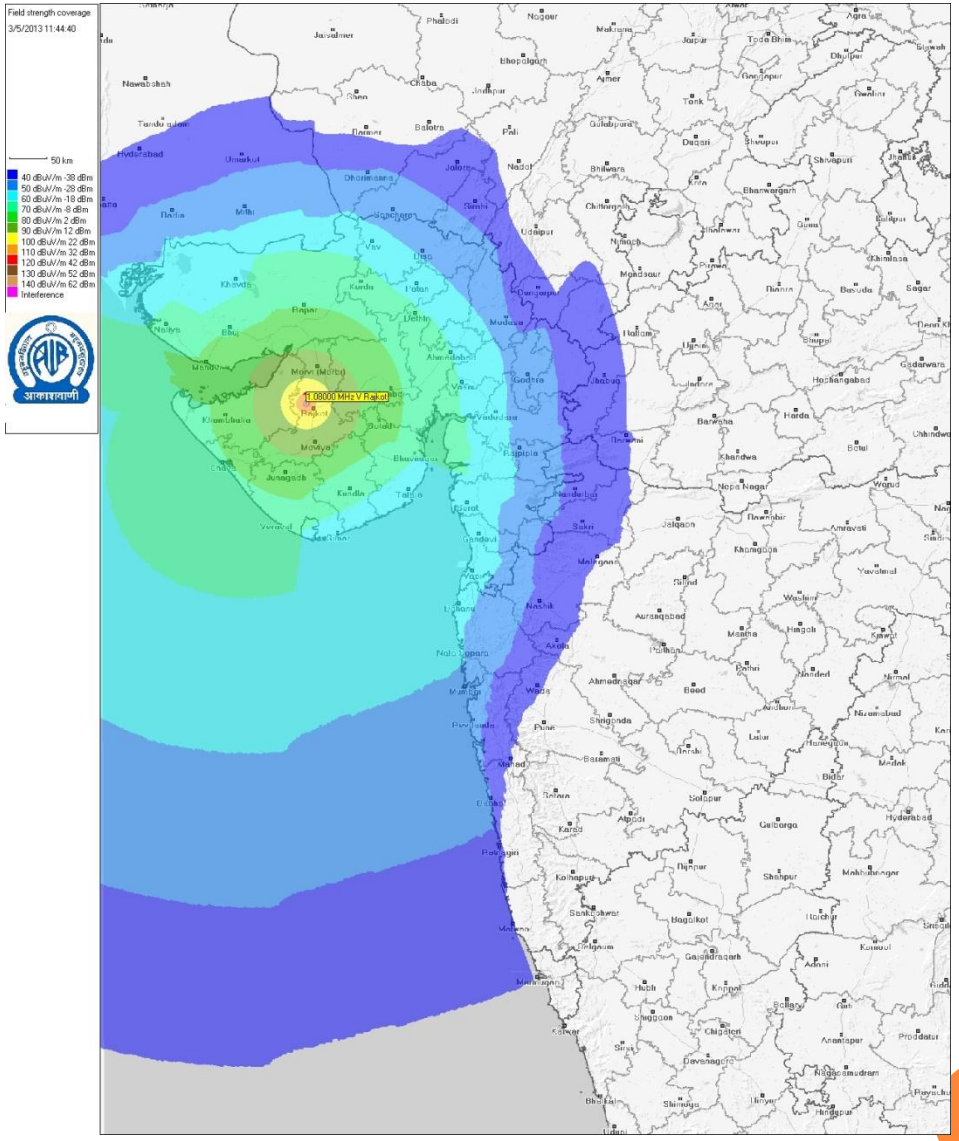
Summary of MW Transmitters commissioning

S. No.	Tentative Date of Commissioning	Transmitters	Places
1.	June, 13	20kWx 6	Guwahati, Delhi, Barmer, Bikaner, Chennai, Tawang,
2.	Dec., 13	20kWx 19	Aizwal, Ambikapur, Bhuj, Chhattarpur, Chennai, Darbanga,Gangtok, Jalgaon, Kota, Udipi, Rewa, Hyderabad, Leh, Ratnagiri, Rohtak, Silchar, Trivendrum, Tiruneveli, Tura,
		200kWx1	Delhi
		300kWx3	Jammu, Jalandhar, Lucknow
3.	Jan., 14	100kWx 4	Vijayawada, Patna, Ranchi, Tiruchirapalli,
4.	Feb., 14	200kWx 4	Bangalore, Dharwad,Chennai A', Kolkatta B'
5.	Mar, 14	20kWx 2	Kupwara, Naushera,
		100kWx 7	Cuddaph, Delhi, Kohima, Port Blair, Shillong, Shimla, Raipur,
		200kWx 3	Kargil, Indore, Najibabad,

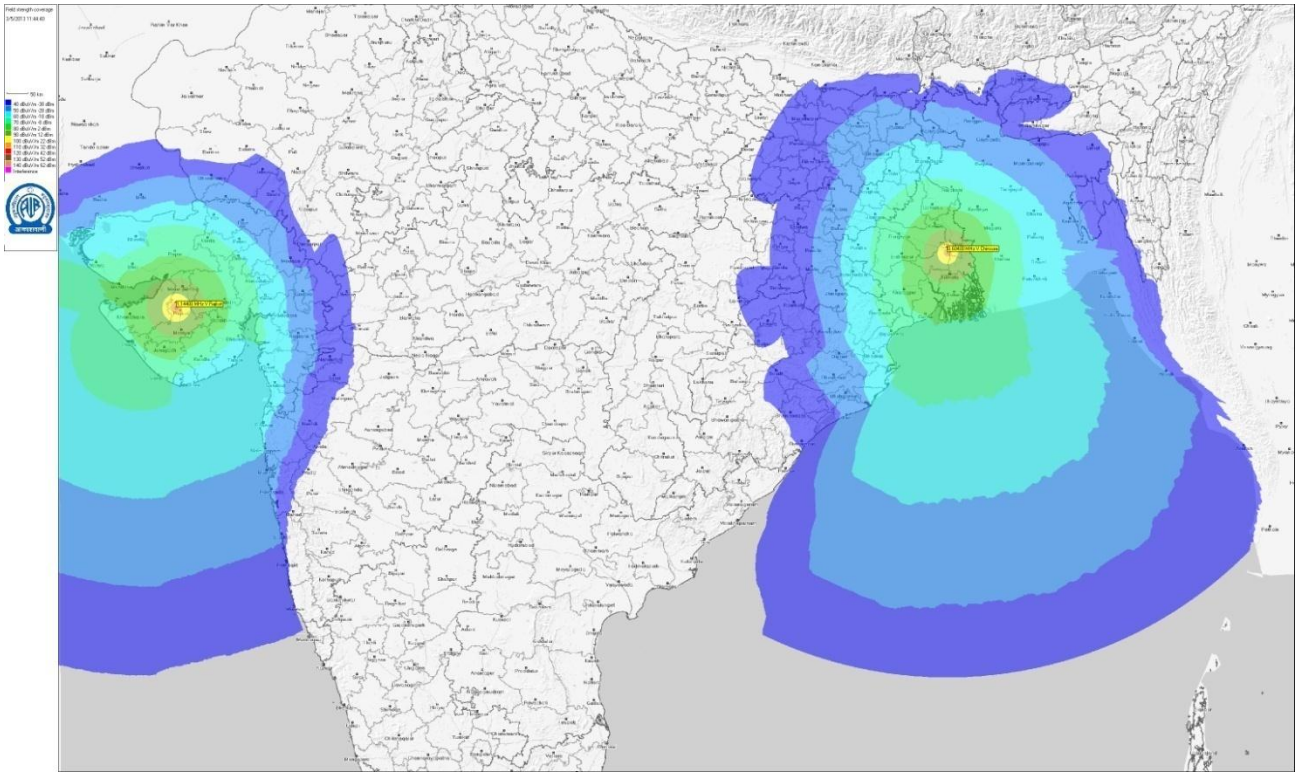
Summary of MW Transmitters commissioning(Contd...)

S. No.	Date	Transmitters	Places
		300kWx 5	Cuttack, Srinagar, Imphal, Jodhpur, Nagpur
6.	May, 14	100kWx 3	Goa, Mumbai A’, Mumbai B’, Pune
	Jun., 14	300kWx 3	Dibrugarh, Suratgarh, Rajkot
	Aug., 14	100kWx3	Varanasi, Kolkatta A’, Passighat,
		200kWx5	Ahmedabad, Jabalpur, Ajmer, siliguri, Itanagar

Coverage of Rajkot Transmitter

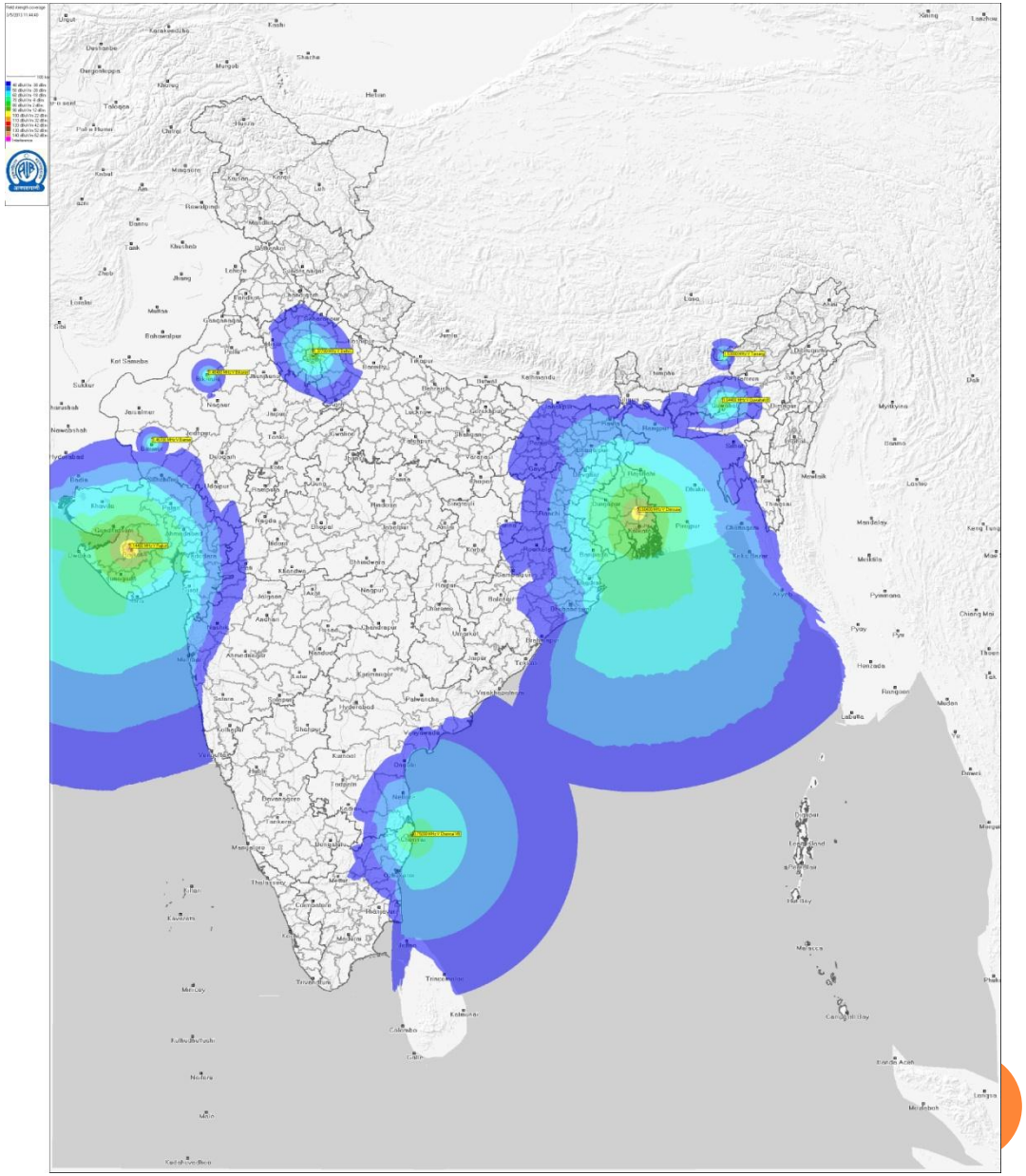


Coverage of Rajkot
& Chinsurah Txs



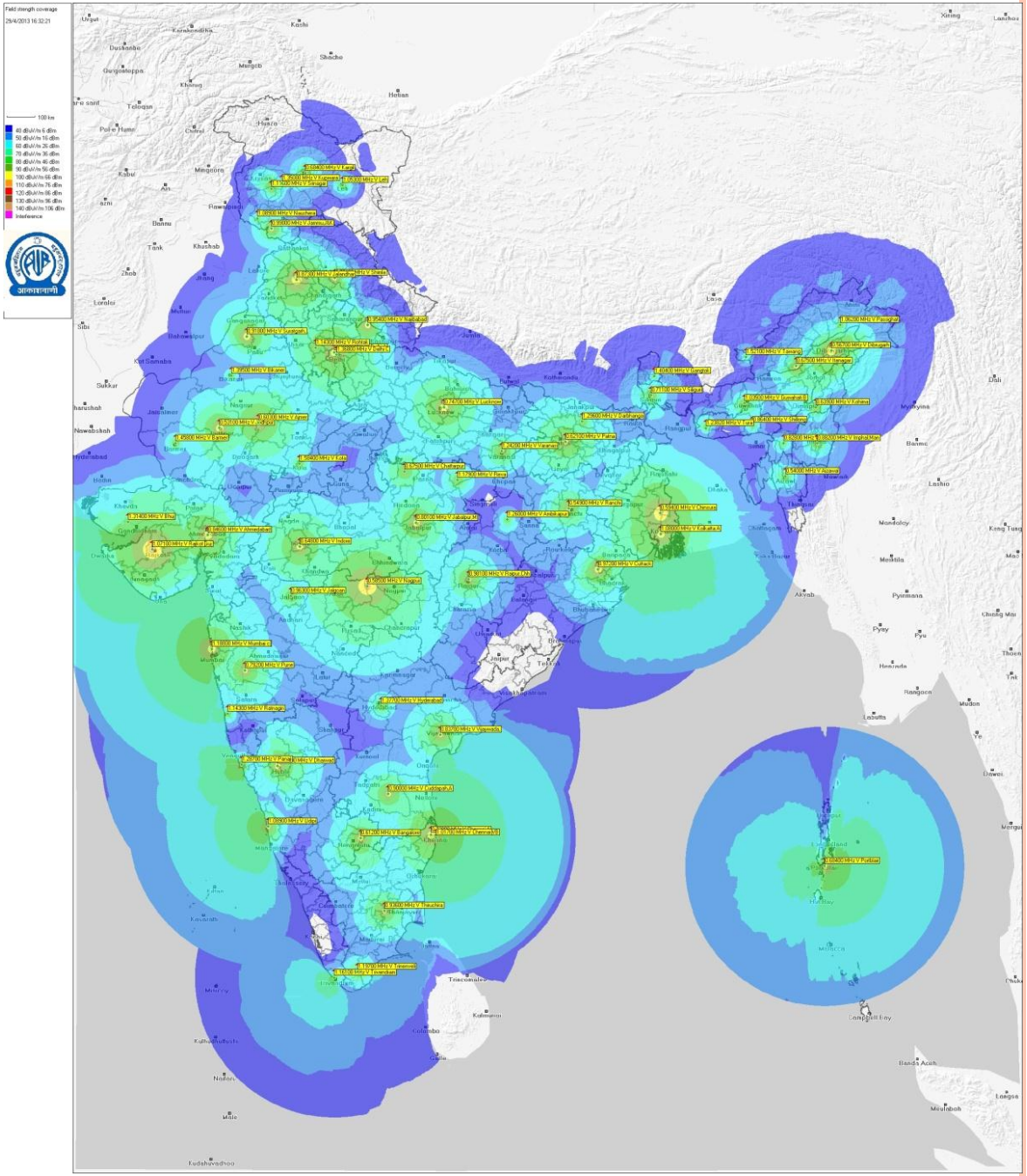
Coverage of Rajkot, Chinsurah, Delhi, Chennai, Guwahati, Tawang, Barmer, Bikaner

Jul., 13



Coverage in Simulcast Mode on Digitalisation of 72 Transmitters

AUG., 2014



COVERAGE AND COMMISSIONING OF TRANSMITTER

NORTH ZONE

S. No.	Location	State	Power (kW)	Simulcast DRM Frequency (kHz)	Tentative Date of commissioning	Coverage
1	Delhi(VB)	DELHI	20	1378	Jun, 2013	NCR
2	Barmer	Rajasthan	20	1468	Do	Barmer, Jalor (P)
3	Bikaner	Rajasthan	20	1405	Do	Bikaner
4	Kota	Rajasthan	20	1594	Do	Kota
5	Leh	J&K	20	1063	Do	Leh / Ladhakh
6	Rohtak	Haryana	20	1153	Do	Rohtak, Kaithal, Fatehabad, Hissar, Bhiwani, Gurgaon
7	Kupwara	J&K	20	1360	Mar.2014	Kupwara
8	Naushera	J&K	20	1099	Mar.2014	Naushera, Rajauri

NORTH ZONE

9	Varanasi	Uttar Pradesh	100	1242	Aug.2014	Varanasi, Ghazipur, Ballia, Deoria(P), Sonbhadra, Azamgarh, Mirzapur, Allahabad, Jaunpur, Sultanpur(P), Ambedker Nagar, Chandauli,
10	Delhi'B'	Delhi	100	676	Do	Entire NCR and Haryana Bijnor, Muradabad, Rampur, Bareilly, Badaun, Etawa, Aligarh, Etah, Fatehgarh, Kannoj, Ludhiana , Sangrur, Rupnagar, Bhatinda, Patiala, Chandigarh, Solan, Sirmaur
11	Shimla	Himachal Pradesh	100	784	Do	Hamirpur, Mandi, Bilaspur, Solan, Sirmaur, Shimla, Rupnagar, Ludhiyana, Sangrur, Patiala
12	Delhi'A'	Delhi	200	829	Dec.2013	Entire NCR and Haryana Bijnor, Muradabad, Rampur, Bareilly, Badaun, Etawa, Aligarh, Etah, Fatehgarh, Kannoj, Ludhiana , Sangrur, Rupnagar, Bhatinda, Patiala, Chandigarh, Solan, Sirmaur
13	Ajmer	Rajasthan	200	613	Aug.2014	Ajmer, Jodhpur, Nagaur, Sikar, Jhunjhunu, Dausa, Pali, Jaipur, Swaimadhopur, Tonk, Kota, Bundi, Chittorgarh, Bhilwara

NORTH ZONE

14	Kargil	J&K	200	694	Mar.2014	Kargil, Drass, Khalsi
15	Indore	Madhya Pradesh	200	658	Do	Shivpuri, Guna, Sagar, Vidisha, Dhar, Raisen, Damoh, Dewas, Harda, Hoshangabad, Betul, Kota, Chittorgarh, Banswara, dahood, East Nimar, West Nimar, Bharwani, Jhabua, Ratlam, Jhalawar, Shahjapur, Rajgarh
16	Najibabad	Uttar Pradesh	200	964	Do	•Najibabad, Saharanpur, Bijnor, Rampur(P), Moradabad(P) •Haridwar, Nainital, Dehradun, Pauri Garhwal in Uttrakhand
17	Jammu	J&K	300	1000	Dec.2013	Amritsar, Gurdaspur, Kathua, Doda, Bhadarwah, Jammu, Udhampur.
18	Suratgarh	Rajsthan	300	928	Jun.2014	Suratgarh, Bikaner(P), Churu (P), Hanumangarh, Ganganagar, Bhatinda, Fazilka
19	Jalandhar	Punjab	300	883	Dec.2013	Entire Punjab & Chandigarh, Jammu Region and most of the part of Haryana &Himachal Pradesh.
20	Lucknow	Uttar Pradesh	300	757	Dec.2013	Lucknow, Lakhimpur, Shahjanpur, Etah, Mainpuri, Etawa, Fatehgarh, Hardoi, Sitapur,

NORTH ZONE

						Unnao, Jalaun, Jhanshi, Banda, Allahabad, Hamirpur, Mahuba, Jaunpur, Pratapgarh, Sultanpur, Faizabad, Basti, Gonda, Bahrampur, Raibareli, Bahirach, Savarsti
21	Srinagar	J&K	300	1126	Do	Kupwara, Baramula, Annantnag, Doda, Bhadarwah, Rajauri, Srinagar
22	Jodhpur	Rajasthan	300	541	Do	Jodhpur, Pali, Sirohi, Jalor, Barmer, Jaisalmer (P), Nathdwara, Bikaner (P), Nagpur, Ajmer, Bhilwara (P)

SOUTH ZONE

S. No.	Location	State	Power (kW)	Simulcast DRM Frequency (kHz)	Tentative Date of commissioning	Coverage
1	Chennai(VB)	Tamil Nadu	20	793	Do	Namakkal(P), Perambaluk, Thanjavur, Pudukkottoi, Thiruvarur, Thiruchchirapllai, Sivaganga.Chennai, Kanchipuram. Vellore(P), Triupathi, Tirunvallur
2	Chennai	Tamil Nadu	20	1027	Do	Namakkal(P), Perambaluk, Thanjavur, Pudukkottoi, Thiruvarur, Thiruchchirapllai, Sivaganga.Chennai, Kanchipuram. Vellore(P), Triupathi, Tirunvallur.
3	Udipi	Karnataka	20	1099	Do	Udipi, Dakshin Kannad, Chikmanglur, Shimoga(P)
4	Hyderabad	Andhra Pradesh	20	1387	Do	Hyderabad, Medak, Rangareddi (P)

SOUTH ZONE

5	Trivandrum	Kerala	20	1171	Do	Thruvanthapuram, Kollam(P)
6	Tirunelveli	Tamil Nadu	20	1207	Do	Tirunelveli, Toticorin, Virudhnagar.
7	Vijaywada	Andhra Pradesh	100	847	Jan-14	Nalgonda, Khammam, Guntur, West Godaveri (P), Vijaywada, Warangal, Kothagudum
8	Tiruchirapalli	Tamil Nadu	100	946	Jan-14	Tiruchirapalli, Thanjavur, Nagappattnam, Tiruverur, Viluppuram, Cuddalore, Namakkal, Karur, Dingdigul, Madurai, Virudhnagar(P), Ramanthapuram, Sivaganga.
9	Cuddaph	Anhdra Pradesh	100	910	Mar.2014	Cuddapah, Anantpur, Chittoor (P), Nellore, Kurnool
10	Portblair	A&N	100	694	Do	Entire A & N ISLAND
11	Bangalore	Karnataka	200	522	Feb.2014	•Hassan, Tumkur, Banglore, Kolar, Chamrajnagar, Mysore, Mandya in Karnataka. •Anantpur & Chittoor in A.P •Erode, Dhermapuri, Nilgiri , Vellore, Solem in Tamil Nadu
12	Dharwad	Karnataka	200	775	Feb.2014	Bellary, Dharwad, Havery, Belgaum, Bijapur, Raichur, Bagalkot, Karwar, Shimoga, Chitradurga, Gadag, Gulberga(P) & Entire Goa.

SOUTH ZONE

13	Chennai'A'	Tamil Nadu	200	730	Feb.2014	Chennai, Tirupati, Chittoor, Kanchipuram, Vellore, Tirunvallur, Dharmapuri(P), Tiruvannamalai, Viluppam, Cuddalore, Tiruvarur, Nagapattanam, Pondicherry, Salem,

EAST ZONE

S. No.	Location	State	Power (kW)	Simulcast DRM Frequency (kHz)	Tentative Date of commissioning	Coverage
1	Darbhanga	Bihar	20	1306	Do	Darbhanga, Vaishali(P) P)Madhubani(P), Sitamarhi(P), Muzaffarpur Samstipur
2	Patna	Bihar	100	631	Jan-14	Entire Bihar except Kishanganj Daltonganj, Chatra, ,Hazaribagh, Bokaro, Dhanbad, Giridih, Deoghar, Dumka, Pakur, Gudda, Sahibganj, Kodarma in Jharkhand, and, Padrauna, Gajipur, Deoria, Chandoli, Gorakhpur in East Uttar Pradesh
3	Ranchi	Jharkhand	100	559	Jan-14	•Entire Jharkhand except Pakur, Godda and Sahibganj

EAST ZONE

						•Aurangabad, Gaya, Nawada in Bihar •Jashpurnagar, Rourkela, Rairangpur, Baripada, Purulia, Bankura, Medinipur in West Bengal
4	Kolkata A	West Bengal	100	1018	Aug.2014	•Kolkata, Hugli, 24 Pargana, Midnapur, Baripada, Baukura, Bardhman, Nadia, Mushdabad, Birbhum, Purulia(P), East Midnapur, Howrah •Jamshedpur, Giridih, Godda, Deogarh, Pakur, Sahebgan, Santhal Pargana, Dhanbad, Bokaro, Pashchim Singhbhoom & Purvi Singhbhoom in Jharkhand. •Rairangpur, Baripada,Baleshwar, Jajpur, Bhubaneshwar, Cuttack, Puri, Mayurbhanj in Odisha.
5	Siliguri	West Bengal	200	721	Aug.2014	•Jalpaiguri, Dinazpur, Balurghat, Purnea, Coach Bihar, Darjeeling Malda, Katihar in WB •Purnia, Kishanganj, Araria in Bihar
6	Kolkata B	West Bengal	200	667	Feb.2014	Kolkata, Hugli, 24 Pargana, Midnapur, Baripada, Baukura, Bardhman, Nadia, Mushdabad, Birbhum, Purulia(P), East Midnapur, Howrah

EAST ZONE

						•Jamshedpur, Giridih, Godda, Deogarh, Pakur, Sahebgan, Santhal Pargana, Dhanbad, Bokaro, Pashchim Singhbhoom & Purvi Singhbhoom in Jharkhand. •Rairangpur, Baripada,Baleshwar, Jajpur, Bhubaneshwar, Cuttack, Puri, Mayurbhanj in Odisha.
7	Cuttack	Orissa	300	982	Mar.2014	Cuttack, Kendrapara, Bhadrak, Jaipur, Angul, Nayagarh, Khordha, Puri, Jagatsinghpur, Balwswar (P), Bastar (P) , Kendujhargarh , Maurbhanj(P)
8	Chinsurah	West Bengal	1000	604/ 1144	Commissioning underway	Entire North East Region & West Bengal(P)

WEST ZONE

S. No.	Location	State	Power (kW)	Simulcast DRM Frequency (kHz)	Tentative Date of commissioning	Coverage
1	Ambikapur	Chhattisgarh	20	1270	Dec., 2013	Sarguja, Koria (P), Korba (P), Jashpuranagar (P)
2	Chattarpur	Madhya Pradesh	20	685	Do	Chattarpur, Tikamgarh, Panna, Satna (P), Sagar, · Banda, Jhansi, Lalitpur, Hamirpur, Mahoba in U.P
3	Bhuj	Rajasthan	20	1324	Do	Jamnagar (P), Kutch
4	Jalgaon	Maharashtra	20	973	Dec., 2013	Jalgaon, Khargon, Khandwa, Akola, Buldana, Jalna, Aurangabad, Nashik (P), Dhule, Nandurbar (P)
5	Rewa	Madhya Pradesh	20	1189	Do	Rewa, Sidhi, Satna, Panna(P), Katni(P), Allahabad, Chittrakut

WEST ZONE

6	Ratnagiri	Maharashtra	20	1153	Do	Ratnagiri
7	Mumbai'C	Maharashtra	50	1198	Not finalized	
8	Panaji	GOA	100	1297	May.2014	Entire Goa
9	Mumbai'A'	Maharashtra	100	1043	May.2014	Mumbai, Raigarh, Pune, Ahmednagar (P), Nashik (P), Dadar & Nagar Haveli, Thane, Pune (P), Daman & Diu, Ratnagiri (P)
10	Mumbai'B	Maharashtra	100	568	May.2014	-do-
11	Pune	Maharashtra	100	802	May.2014	Pune, Satara, Raigarh, Ahmednagar, Aurangabad (P), Thane, Jalna (P), Nashik
12	Raipur	Chhatisgarh	100	991	Do	Balaghat, Gondia, Rajnandgaon, Kawardha, Bilaspur, Korba, Jahangir- Champa, Dhamatri, Durg, Kanker, Mahasamund, Raipur.
13	Ahemdabad	Gujarat	200	856	Aug.2014	Kutch, Banskhantha, Patan, Mehsana, Suerendra Nagar, Rajkot, Amreli, Bhavnagar, Himmatanagar, Vadodara, Surat, Ahmedabad, Godhra, Sabarkantha, Valsad, Jamnagar, Bharuch
14	Jabalpur	Madhya Pradesh	200	811	Aug.2014	Jabalpur, Seoni, Mandla, Umaria, Katni, Satna, Chhindwara, Panna, Chattarpur, Damoh, Sagar, Raisen, Bhopal(P), Hosangabad, Narsimhapur, Balaghat(P), Sahdol(P),

WEST ZONE

15	Rajkot	Gujarat	300	820	Jun.2014	Entire Gujarat
16	Nagpur	Maharashtra	300	595	Do	•Nagpur, Gadchiorli, Chandrapur, Wardha, Bhandara Gondia, Nandgaon, Aurengabad, Buldabna, Jalgaon, Yavatmal, Amravati, Akola, Hingoli, Parbhani, Nanded, Lattur, Bid, Jalna. •Durg, Raipur, Nizamabad, Karimnagar, Adilabad, Kanker, Raj Nandgaon in Chattisgarh. •Balaghat, ,Khadwa, Betul, Chindwara in Madhya Pradesh.
17	Rajkot	Gujrat	1000	1081	Commissioned on 10.9.12	Entire Gujarat

NORTH EAST ZONE

S. No.	Location	State	Power (kW)	Simulcast DRM Frequency (kHz)	Tentative Date of commissioning	Coverage
1	Guwahati'B'	Assam	20	1045	01-06-2013	Kamroop, Nalbari
2	Tawang	Arunachal Pradesh	20	1531	Do	Tawang
3	Aizwal	Mizoram	20	550	Dec.2013	Aizwal, Mamit, Kolasib
4	Gangtok	Sikkim	20	1414	Do	Entire State
5	Silchar	Assam	20	838	Dec., 2013	North Kachar Hills (P), Cachar, Karimganj, Kolasib (P)
6	Tura	Meghalaya	20	1248	Do	Tura, West Garo Hills, Williamnagar, South Garo Hills, East Garo Hills
7	Passighat	Arunachal Pradesh	100	1072	Aug.2014	East Siang District

NORTH EAST ZONE

8	Kohima	Nagaland	100	649	Do	• Kohima, Wokha, Zunheboto, Phek in Nagaland. •Dimapur in Assam. • Senapati (P) in Manipur.
9	Shillong	Meghalaya	100	874	Do	Shillong, Jowai, East Khari Hill, Karbi Anglong, Naongoh, Dwaki, West Khari Hills, Kamroop, Lumding, Janta Hills
10	Itanagar	Arunachal Pradesh	200	685	Aug.2014	West Kemeng, East Kemeng, Papumpore, Lower Subansiri
11	Dibrugarh	Assam	300	577	Jun.2014	•Dibrugardh, Tinsukiya, North Lakhimpur(Part), Jorhat, Sibsagar, Dhemaji in Assam. •Tuensang, Mon in Nagaland. •Itanagar, Khonsa, Papumpare, Lower Subansiri, West Siang, East Siang, Chaglang, Lohit. in Arunachal Pradesh.
12	Imphal	Manipur	300	892	Do	Entire State

Radio Population in India

- Radio Sets 137 Million
- FM Sets out of the total sets 80 Million
- Population (2010 census) 1227 Million

Digital Receiver Issues

- DRM reception requires a digital receiver.
- Presently these receivers are costing about Rs. 5000-8000/-.
- Cost of digital receiver could come down to considerably low able(Rs. 1300-2000) with
  - Road map for AIR digitisation has been presented
  - Mainstream receiver manufacturers and AIR has to joined hand to produce low cost indigenous DRM receivers for the larger interest of public.

DRM RECEIVERS

Receiver Profile 1 – Standard Radio Receiver

Mandatory Features

- A basic alphanumeric display.
- Analog reception in the MW, SW, & FM and DRM reception in MW & SW
- Channel decoding of all defined channel band-widths
- Audio Stereo decoding (including Parametric Stereo) if output is stereo.
- Emergency warning Implementation of the emergency warning/alert feature
- Service following DRM to DRM service following (automatic frequency switching)
- Text Service label (station name) display.
- Text message display on products with a 2-line display or better (except for in-car products).

Recommended Features

- Journaline presentation
- Support for regional character sets
- Electronic Programme Guide(EPG)
- Traffic & Travel For in-car products, TPEG5 and TMC6 decoding
- DRM reception in all broadcasting bands below 174 MHz

Receiver Profile 2 – Rich Media Radio Receiver

Mandatory Features

- This is an audio receiver with a colour screen display of at least 320 x 240 pixels.
- All Receiver Profile 1 functionality, *plus:*
- Text Journaline presentation
- Electronic Programme Guide(EPG)
- Slide Show presentation .
- Discrete multi-channel output and/or binaural rendering on stereo headphone output.

Recommended Features

- Audio Surround Sound decoding is recommended.
- Decoding of the advanced EPG profile is recommended.

Thank you!