## Prof. Dr. Hari Om Srivastava: Credentials and Media Coverage

44/F0120/1995PHXF403

# The Birla Institute of Technology & Science Upon the Recommendation of the Senate hereby confers on

Hari Om Srivastava

The Mearce of

# **Poctor** of Philosophy

habing been found duly qualified. The thesis presented for the Begree was entitled "Development of Information Systems for Broadcast Archives in the Context of Information Superhighway"

Given this twentieth day of February, one thousand, nine hundred and ninetynine under the Seal of the Birla Institute of Technology & Science at Pilani in the State of Rajasthan, India.

G.P. Snivastava

ALANOTAL REGISTRAR



CHAIRMAN -

S. Coulkuine DIRECTOR

# SCIENCE CENTRE NEWS LETTER

May 2020 Issue 61



# Published by Banchhanidhi Pani I.A.S. Municipal Commissioner

#### SCIENTIST OF THE MONTH

#### Dr. Hariom Srivastava

Dr. Hariom Srivastava was born on 23 May, 1947. He did Master of Science in Physics from Deendayal Upadhyay Gorakhpur University, Uttar Pradesh (1965 - 67), Doctor of Philosophy in Chemistry from

Veer Bahadur Singh Purvanchal University, Jaunpur, Uttar Pradesh in 1997.

Dr. Srivastava joined Ministry of Information and Broadcasting through the Indian Broadcast Engineering service exam held in 1972. During his 37 years of service in All India Radio and Doordarshan, he undertook the expansion of broadcast system in the country. Further, he established IT division of All India Radio. He was pivotal in expansion of broadcasting in

private sector. This included educational channel known as Gyan Vani for Indira Gandhi National Open

University. He extended All India Radio (AIR) FM services to Mauritius and around the world using satellite channels. He used community Radio for

agriculture extension and piloted the project "Community Radio for Livelihood Generation" in different part of India. He also conceived, designed and piloted the project "Agriculture Knowledge Dissemination System" for farmers in Bihar. He was awarded the Prof. S. N. Mitra Memorial Award for outstanding contribution and leadership role in radio broadcast science and technology during the last 10 years by Institution of Electronics and Telecommunication Engineers (India) and International Telecommunication Union Expert in Malaysia in 1991.

Courtasy: M.T. Jariwala Madhyamik Shala

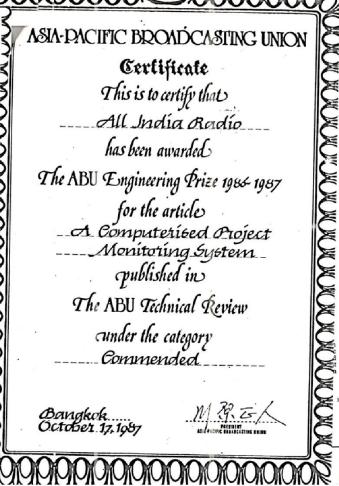
#### Editor

## Available at:

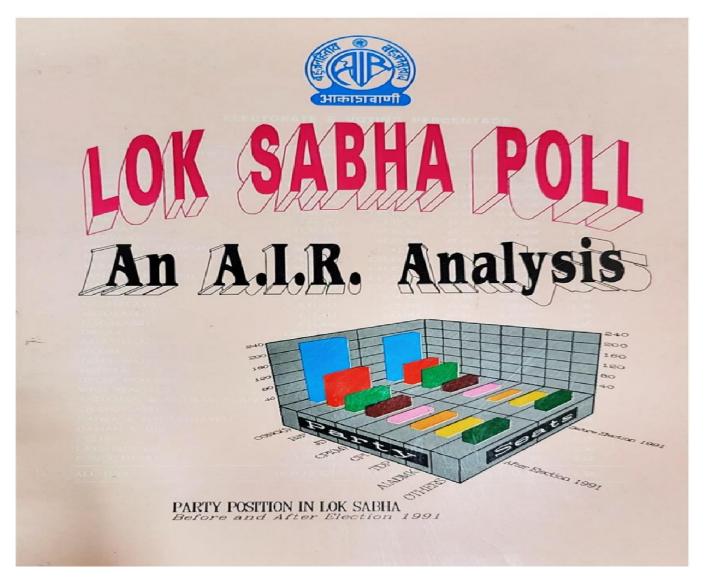
https://www.suratmunicipal.gov.in/Content/Documents/Services/ScienceCentre/NEWSLetter/May2020EngNewsLetter.pdf







Dr. Srivastava is the only individual worldwide to receive the Asia Pacific Broadcasting Award six times, consecutively from 1984 to 1990.



Dr. Srivastava played a pivotal role in ushering in a new era for Indian elections in 1991 by piloting the first-ever use of computers during a Parliamentary election. This innovation was met with such success that it was subsequently adopted for all future elections in the country.



Interview by Director All India Radio,
Udaipur on life and works of
Prof. Dr. Hari Om Srivastava
Broadcasted on 22 March 2012
on All India Radio

Video link: <a href="https://www.youtube.com/watch?v=n0gwtlU5PNM">https://www.youtube.com/watch?v=n0gwtlU5PNM</a>

# Indian Ambassador Congratulates Dr. Srivastava on Successful Completion of Seven Community Radio Stations in Ethiopia



भारत का राजदूत, अद्दिस अवावा AMBASSADOR OF INDIA P.O. BOX 528 ADDIS ABABA

No. Add/Amb/Misc/2015

28 September 2015

Dear Dr. Srivastava,

It is with a sense of pride I receive the news that you have successfully completed your contract in Ethiopia. That you have put up 7 Community Radio Stations in a record time, doubles the appreciation.

- 2. Congratulations to you, your team and the World Development Foundation for this extraordinary feat in a challenging terrain.
- 3. I am sure you will bid for the next round of Community Radio Stations building and benefitting from your experience here so far.
- 4. I wish you the very best and look forward to our association.

Regards,

Sanjay Verma) Ambassador

Dr. H. O. Srivastava
President
World Development Foundation
Former Addl. Director General,
All India Radio & Doordarshan
Plot 5, Sector 3, Karuna Kunj,
Dwarka,
New Delhi-110075

## **Embassy e-Newsletter**



e-Newsletter Date: 1 Sept 2015



The 69th Independence Day was celebrated in the Embassy on 15 August with the participation of a large number of Indian community members and friends of India. The Flag hoisting was followed by singing of Hindi poems by Ethiopian nationals and patriotic songs and dance by Indian community members. The Ambassador read the Hon'ble President's message to the nation and addressed the gathering.

### World Development Foundation, New Delhi completes setting up of Radio Stations in Ethiopia

After winning a contract for establishing seven Community Radio Stations in Ethiopia at Finote Selam, Dilo (Borana), Adola Rede (Guji), Chewaka (Illubabor), Semera, Ari Woreda (Debub Omo) and Uba Debretsehay (in Gamo Gofa zone, SNNP Region), World Development Foundation, New Delhi has completed the commissioning and handing over of six stations and the installation of the last one at Finote Selam is being undertaken now. It will be completed by 5th September. The Foundation is also training the concerned staff at Finote Selam from 1 September on various aspects of hardware, software, programming, maintenance etc.

Arada Distruct, Kebele 14/15, H. No. 224, P. O. Box 528, Addis Ababa, Ethiopia Tel: +251-11-1235538-41, Fax: +251-11-1235547-48

Email: hoc.addisababa@mea.gov.in, Web: www.indembassyeth.in

# 1991: Radio Television Brunei Requests Software for Broadcast Inventory Upgrade - Dr. Srivastava's ITU Expertise

TELEPHONE: 243111 - 243128

CABLE BROADCAST BRUNEI

TELEX BU 2311 (ADMIN)

BU 2600 (NEWS)

BU 2312 (ENG)

BU 2720 (PROG)

RTB

RADIO TELEVISYEN BRUNEI JABATAN PERDANA MENTERI BANDAR SERI BEGAWAN 2042 NEGARA BRUNEI DARUSSALAM.

Tarikh: 8-7-92

Ruj. Kami:

Ruj. Tuan:

To : All India Radio Attn : H.O. Srivastava

How are you getting on Mr.Srivastava? Hope you still remember me? I have been trying to fax to you since Tuesday 7/7/92 but unable to get through. Anywhere I must say I enjoyed and learned alot from your session on Technical Store Managements during the workshops at Kuala Lumpur in June recently.

My colleague Mr.Lai and myself have been trying to convince our Senior Managements of the importance of this computerised Store Management in our system and I wished that I have the software with me to show and convinced them However, as we discussed, you promised that you would send this software to me sometimes.

I hope and appreciate if you could kindly send a copy of this software to the above address the soonest possible.

Your kind considerations and response to this matter is highly appreciated.

Yours faithfully,

(Pg.Sabtu Bin Pg.Mostamam) Engineer-In-Charge TV/FM Tx

## A few Press clippings

## 1. Start of online mass media program in India for Four Million students







### August 02, 2001

#### 40 FM STATIONS FOR EDUCATION SECTOR IN 2 YEARS

40 FM Radio Stations, for transmission of education based programmes, are to be commissioned in two years. The Government has identified Indira Gandhi National Open University (IGNOU) as the nodal agency for these "Gyan Vani" Stations. The IGNOU has come to an understanding with Prasar Bharati to make use of the existing infrastructure of All India Radio to co-locate the transmitters for these stations, which will help save substantial costs. A Memorandum of Understanding was signed to this effect here today between Prasar Bharati and IGNOU. The signatories to the MOU were Shri K. S. Prasada Rao, Registrar of IGNOU and Shri H. O. Srivastava, Chief Engineer from AIR. Shri H. P. Dixit, VC of IGNOU and Shri Anil Baijal, CEO of Prasar Bharati were also present.

IGNOU intends to commission, five of these transmitters within 3 months, in Lucknow, Vishakhapatnam, Coimbatore, Bhopal and Allahabad, and in all 12 transmitters in one year. Though IGNOU will be the nodal agency for the Gyan Vani Channel, its 40 centres will be essentially independent and the channel will be decentralised in structure and functioning.

A majority of the programmes for Gyan Vani will come from existing educational institutions such as UGC, NCERT, NOS, NLM etc. NGOs and other social and voluntary agencies will be partners in production and programme content for non-formal education and community participatory programmes. In the first phase, the channel will broadcast for 8 hours everyday, 6 to 10 am and 6 to 10 pm.



#### News available at

https://archive.pib.gov.in/archive/releases98/lyr2001/raug2001/02082001/r0208200123.html

### 2. FM Radio based traffic police monitoring: A novel experiment in the world

# Don't dial 100, call up FM radio station

Bhaskar Roy / TNN / Nov 8, 2001, 01:51 IST









NEW DELHI: Next time you come across a harassing cop or find the traffic policeman not on duty at the intersection, you can call the FM radio station and inform it.

new delhi: next time you come across a harassing cop or find the traffic policeman not on duty at the intersection, you can call the fm radio station and inform it. indeed talks are on between the authorities and prasar bharati for a dedicated fm channel to train the men in uniform at 167 police training centres across the country. according to sources, an agency under the union home ministry has been exploring the fm communication route with the newly created air resources department.

months back to make use of the vast infrastructure of all india radio and its technical manpower on a commercial basis, is expecting to attract business to the tune of rs.

100 crore in the next couple of years. despite the impediment of sloppy work culture typical of any government sector, the unit interestingly has the expertise which the new private players in the newly opened-up radio segment may need badly. apart from the 40 fm players, indira gandhi national open university (ignou) has agreed to do business with the unit functioning from a nondescript room in the all india radio building. asked

about the business prospects in a competitive environment for air which ironically had enjoyed absolute monopoly and government protection all these years, the department chief h. o. srivastava said, "air has a record of 75 years of broadcasting, we are doing business with other countries as well." he said the next lap would be to digital broadcasting which "will change the face of radio." with a transponder hired on a foreign satellite air now aims at providing something more than music and fun on radio: specialised data.

News available at: <a href="https://timesofindia.indiatimes.com/india/dont-dial-100-call-up-fm-radio-station/articleshow/2061651436.cms?utm\_source=contentofinterest&utm\_medium=text&utm\_campaign=cppst">https://timesofindia.indiatimes.com/india/dont-dial-100-call-up-fm-radio-station/articleshow/2061651436.cms?utm\_source=contentofinterest&utm\_medium=text&utm\_campaign=cppst</a>

## 3. Expansion of private radio stations in India by the intervention of Dr. Srivastava





# AIR plans for FM players

Even as private FM radio licencees have started making their own tower arrangements in Mumbai, All India Radio (AIR) is making a last-ditch attempt to tap the Mumbai stations. According to AIR Resources head HO Srivastava, a new proposal to build a tower will be presented to the private FM licencees for their Mumbai stations. The proposal is expected sometime this month. Just after the signing of MoU between Prasar Bharati and private operators on sharing AIR towers in three metros, Delhi, Chennai and Kolkata and two non metros, Indore and Vishakapatnam, for 16 private radio stations here on Monday, Dr Srivastava indicated that AIR may still bag the Mumbai project.

According to Dr Srivastava, the Mumbai tower can be built in another two years. As for its cost, he said: "We have to negotiate on that." Meanwhile, Prasar Bharati has made a business worth Rs 3.5 crore for offering its towers to private licencees for 14 metro stations and two non-metro stations this year. Earlier, it had garnered Rs 14 crore for its deals with Ignou and Music Broadcast Private Ltd. The annual tower-sharing fee for Delhi is Rs 25 lakh per annum per broadcaster and Rs 13.36 lakh each for Kolkata and Chennai. Plus, there will be additional fee for land, roads and security.

# 4. An interview by Deutsche Welle (DW), Germany's foreign broadcasting company

## Radio booming – DW – 10/21/2011

Commercial radio companies and media organizations in India are poised to respond to the start of the third phase of licensing for commercial FM stations.

"People in this country like to have FM especially because radio is available to them in remote corners of the country even where there is no electricity. They can listen to it even when they are moving," says Dr. H.O. Srivastava, former head of engineering at All India Radio (AIR), the Indian government's official radio station. He is now leading the World Development Foundation (WDF), a consultancy which works for the rural poor using the radio.

Source: https://www.dw.com/en/india-set-to-become-the-biggest-radio-market-in-the-world/a-6643464

## 5. Expansion of private radio stations in India by Dr. Srivastava

# Prasar Bharati, Music Broadcast signs MoU for co-location of transmitter

Prasar Bharati signed a memorandum of understanding (MoU) with Ispat Group's Music Broadcast Private Ltd (MBPL). As per the MoU, Prasar Bharati will provide the All India Radio (AIR) tower to MBPL's Radio City FM channel for co-location of transmitter. It



Prasar Bharati, Music Broadcast signs MoU for co-location of transmitter

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It will allow MBPL to install its antenna and cable on the existing FM tower and also use the specified constructed area and land available at the Lucknow premises of AIR. MBPL has paid Rs 13.36 to AIR as the tower rent fee for a year. The agreement, which was signed by chief engineers (projects) and head AIR resources HO Srivastava and MBPL director Ashok Khinvasara.

This move will help MBPL set up a 10-kw FM transmitter and start Radio City FM transmission from Lucknow in a short time. It will be the second FM station for MBPL, with Star as its content provider. The first one was started in Bangalore some time ago.

MBPL has licence for six cities—Delhi, Bangalore, Lucknow, Mumbai, Nagpur and Patna. While Radio City is already in place in Bangalore and Lucknow is expected to happen soon, other non-metros (Nagpur and Patna) are also in the pipeline.

Of the non-metros, MBPL has to go on its own in Mumbai for an interim arrangement because AIR won't offer co-location in the city. For the facility in Delhi, among other metros, AIR will take a decision in about four days.

Regarding AIR plans of offering its towers to private FM operators in metros, Mr. Baijal said the technical feasibility of projects is under study. A decision is expected within next three to four days.

According to Mr. Baijal, the consultant —Triveni Structurals— has submitted its feasibility report on the tower-sharing aspect between AIR and private FM players in metros. It's up to Prasar Bharati to act on the same now.

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THE FINANCIAL EXPRESS

Monday, March 3, 2003

# Campus Power: Desi Varsities Set To Join The Ivy League

#### **OUR eFE BUREAU**

New Delhi

Campus radio, quite a rage in the West, is finally a reality in India.

The idea behind the concept is simple: using technology effectively for access to education and learning. All India Radio is already in the process of striking deals with some educational institutions, to implement campus radio. Recently, the government allowed recognised educational institutions to set up community radio.

In India, campus radio is all about setting up low-frequency FM radio stations in the 87.5 to 108 mhz range.

The power of the FM transmitters would be 50 watts or

even less, according to chief engineer and head AIR Resources HO Srivastava. AIR would offer the total turnkey solution to the institutes willing to get on to the campus radio bandwagon. The turnkey solution would mean providing transmitters, transmission towers, antenna, cable and playback facility. Also, AIR would help these institutes get the requisite licence to start their radio

ances are needed from Home and HRD ministries also. Besides, the Wireless Planning and Coordination Committee (WPC) of the ministry of communications would be responsible for allocating frequency spectrum to universities, colleges, schools and other educational institutions.

After these clearances, AIR would take two to three months to set up a station.

Like every other technology, this one too has a cost attached to it. AIR would charge around Rs 15 lakh for the total solution. The good news is that there's no licence fee, but institutions would be charged for spectrum usage. And the bad news? No commercialisation and advertising would be permitted in the campus radio network. Also, compliance with the general broadcasting code of the country applies here too.

The basic objective of the community radio broadcasting would be to serve the cause of community in the service area of the licence by involving members of the community in the broadcast of their programmes, said Dr Srivastava

information, lectures, debates and other formal and non-formal education within the campus and adjoining areas, Dr Srivastava added.

Here's a step by step format of how an institution can acquire a licence and set up campus radio:

- The eligible institution must apply to the ministry of information and broadcasting for a licence
- I&B ministry will then consult with WPC and Prasar Bharati to determine the availability of frequency at the place requested by the applicant
- I&B ministry, after getting clearances from home, defence, HRD and external affairs ministries, will issue the licence to the applicant
- The licensee will be required to sign a licence agreement after allotment of frequency
- Since the number of frequencies to be allotted by the WPC wing is limited, the criteria for the selection of institutions are on the first come first serve basis. In case, there's more than one claimant for a single frequency, licensee will be selected by a committee constituted by the I&B

# 7. Dr. Srivastava announces Setting Up the Third Community Radio of India in Ghazipur by AIR Resources

# तीसरा 'कैंपस रेडियो स्टेशन' गाजीपुर में

वाराणसी, शुक्रवार, ७ मार्च, २००३

गाजीपुर। देश का तीसरा कैंप्रस रेडियो स्टेशन गाजीपुर के पीजी कालेज में स्थापित



पत्रकारों को संबोधित करंते प्रसार भारती के चीफ इंजीनियर डा. हरिओम श्रीवास्तव

किया जाएगा। प्रसार भारती के चीफ इंजीनियर व हैंड एयरिरसोंसेज डा. हरिओम श्रीवास्तव ने बृहस्पतिवार को यहां विधिवत इसकी घोषणा की। शिक्षा की दृष्टि से स्थापित किए जाने वाले इस रेडियो स्टेशन के जरिए प्रतियोगिताओं के अलावा सांस्कृतिक कार्यक्रमों की गृतिविधियों का प्रसारण हो सकेगा। यह किसानों के लिए भी लाभप्रद साबित होगा। डा. हरिओम के मुताबिक शहर में कामर्शियल रेडियो रिले सेंटर को भी मंजूरी मिल गई है।

डा. हरिओम यहां इसी सिलसिले में आए थे। पीजी कालेज की संबंद्ध इकाई कृषि विज्ञान केंद्र एवं तकनीकी शिक्षा व शोध संस्थान के निरीक्षण के बाद वे वहीं सभागार में पत्रकारों से बातचीत कर रहे थे। उन्होंने बताया कि कैंपस रेडियों स्टेशन की उत्पत्ति दो वर्ष पहले सूचना एवं प्रसारण मंत्री श्रीमती सुषमा स्वराज के प्रयासों से हुई थी। अभी तक पूरे देश में दो शिक्षण संस्थाएं सिटी मांटेसरी स्कूल लखनऊ और सरदार पटेल विश्वविद्यालय, गुजरात की ही औपचारिकताएं पूरी हो पाई हैं। गाजीपुर में तीसरा कैंपस रेडियों स्टेशन होगा। उन्होंने कहा कि कैंपस रेडियों स्टेशन का कामिशियल इस्तेमाल नहीं होगा।

डा. हरिओम ने बताया कि कैंपस रेडियो स्टेशन की स्थापना से लेकर ट्रांसिमशन तक की तकनीकी व व्यावहारिक जानकारी उपलब्ध कराने की जिम्मेदारी प्रसार भारती की होगी, जो प्रशिक्षण कार्यक्रमों के द्वारा प्रशिक्षित लोगों द्वारा दी जाएगी। उन्होंने बताया कि इससे 18 किमी की परिधि में रहने वाले छात्र और किसान घर पर भी समय-समय पर महत्वपूर्ण जानकारियां हासिल कर सकेंगे। कालेज परिसर में एक लाइब्रेरी भी स्थापित की जाएगी, जिसमें महत्वपूर्ण लेक्चर के रिकार्ड रखे जाएंगे।

## 8. Farmers Being Taught Agriculture Through Community Radio



राजधानी से 🕶

ग़ाज़ीपुर 🕶

बनारस 🕶 आजमगढ़ 🕶

बलिया 🕶

प्रयागराज 🕶

चंदौली 🕶

जौनपर 🕶

па

भदोहीं 🕶

REAKING NEWS

एमएलसी चंचल सिंह के कार्यालय पर लग रही भारी भीड़, बना चर्चा का विषय

Home / ग्राज़ीपुर / गाजीपुर: रेडियो कमेटी सेंटर से दी जायेगी किसानो को जानकारी- डॉ. हरिओम श्रीवास्तव



# गाजीपुर: रेडियो कमेटी सेंटर से दी जायेगी किसानो को जानकारी- डॉ. हरिओम श्रीवास्तव

📤 admin 🛮 💇 3 days ago 🕒 ग्राज़ीपुर, ब्रेकिंग न्यूज़ 🗫 Comments Offon गाजीपुर: रेडियो कमेटी सेंटर से दी जायेगी किसानो को जानकारी- डॉ. हरिओम श्रीवास्तव

गाजीपुर। तकनीकी शिक्षा एवं शोध संस्थान, पी॰जी॰ कालेज, ग़ाज़ीपुर के प्रांगण में शुक्रवार को डा॰ हरिओम श्रीवास्तव, अध्यक्ष वर्ल्ड डेवलपमेंट फाउंडेशन नई दिल्ली, सहायक महानिदेशक आल इंडिया रेडियो व् दूरदर्शन नई दिल्ली का आगमन स्नातकोत्तर महाविद्यालय गाजीपुर के संरक्षक अजीत कुमार सिंह, अपर महाधिवक्ता, उ॰प्र॰ के प्रयासों से संभव हुआ। मुख्य अतिथि के स्वागत प्राचार्य स्नातकोत्तर महाविद्यालय गाजीपुर के द्वारा पुष्पगुच्छ प्रदान कर किया गया। मुख्य अतिथि डा॰ हरिओम श्रीवास्तव जी ने कृषि विज्ञान केंद्र, गाजीपुर का निरीक्षण कर समस्त मानकों और उपलब्ध तकनीकी सुविधाओं से आश्वस्त होकर रेडियो कम्युनिटी सेंटर खोलने हेत् प्रकिया को प्रारंभ करने हेतु आवश्यक दिशानिर्देश दिया | सरकार द्वारा कृषि विज्ञान केंद्र में लगाए जा रहे रेडियो कम्युनिटी सेंटर के माध्यम से किसानों को कृषि से सम्बन्धित जानकारियां और नई तकनीकी के बारे में आसानी से अवगत कराना सुगम हो जायेगा। डा॰ हरिओम श्रीवास्तव ने स्नातकोत्तर महाविद्यालय गाजीपुर में मीडिया सेंटर खोलने हेतु आवश्यक मानकों का निरिक्षण कर मीडिया सेंटर खलने हेतु आवश्यक कार्यविधियों से अवगत कराया । मीडिया सेंटर की सहायता से छात्रों को रोजगार परक शिक्षा प्रदान करने में सहूलियत होगी। इसके लिए शार्ट टर्म कोर्सेस प्रारंभ करने हेतु गतिविधियों के बारे में अवगत कराया। मुख्य अतिथि महोदय ने शिव वाटिका का भी भ्रमण किया और महाविद्यालय प्रांगन में अपने पूर्व निरिक्षण के दौरान लगाये गये रुद्राक्ष के वृक्ष को देख अत्यंत प्रसन्नता जाहिर की। कार्यक्रम का संचालन डॉ॰ अमित प्रताप के द्वारा किया गया। कार्यक्रम का आयोजन तकनीकी शिक्षा एवं शोध संस्थान, कृषि विज्ञान केंद्र और पी॰ जी॰ कालेज गाजीपुर द्वारा आयोजित किया गया। कार्यक्रम के संयोजक अजीत कुमार सिंह ने सम्मानित अतिथिगण का आभार एवं धन्यवाद प्रकट किया और संस्थान में जल्द से जल्द रेडियो कम्युनिटी सेंटर और मीडिया सेंटर प्रारम्भ करने हेत् आश्वस्त किया। कार्यक्रम में डा॰ दिनेश कुमार सिंह, डा॰ अजीत प्रताप सिंह, डा॰ धर्मेन्द्र कुमार सिंह, डा॰ नीत् सिंह, राहुल आनंद सिंह, संतोष कुमार, अमितेश सिंह, आशीष वाजपेयी आदि उपस्थित रहे।

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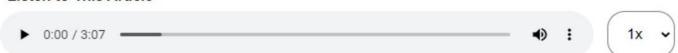
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# AIR to use WorldSpace platform to go live on trains

Live news on Indian trains is closer to reality now. Railway Board has given its in-principle go ahead to All India Radio (AIR) to implement its dream project, AIR is in the process of checkin out its service on some select trains through the satellite pl



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Live news on Indian trains is closer to reality now. Railway Board has given its inprinciple go-ahead to All India Radio (AIR) to implement its dream project, AIR is in the process of checking out its service on some select trains through the satellite platform of WorldSpace.

The Railway Board, with which AIR was in negotiations to start its service on some trains, has informally approved the project. A memorandum of understanding (MoU) is yet to be signed. Recently, AIR had conducted an experiment on the Delhi-Mumbai Shatabdi to see how the system would work. AIR and the Railway Board will hold another round of talks after the June 18 run to finalise the modalities of the new service.

According to sources, Rajdhani and Shatabdi trains have PA (public address) systems, which is necessary to implement the AIR-WorldSpace project. All that one needs to do on these trains is to connect the WorldSpace receiver to the PA system.

However, there's a catch. WorldSpace has a lot more exciting channels, besides AIR; one can just tune into any jazz, pop, classical or any other news channels. But AIR is confident of finding a way by which thousands of passengers on these trains get only AIR and no other service.

Source: Financial Express

# 10. Dr. Srivastava's Vision: Pioneering Mobile Services Expansion Through Broadcast Towers in India

# **FINANCIAL EXPRESS**

# BSNLs Antenna To Sit On AIR Tower In Port Blair



New Delhi: | Updated: Nov 27 2002, 05:30am hrs

In its tower-offering spree, All India Radio (AIR) has Port Blair and Lung Leh on its map next. Confirming the development, AIR resources head HO Srivastava told eFE that an agreement is about to be signed between Bharat Sanchar Nigam Ltd (BSNL) and AIR for its Port Blair tower. The agreement will allow BSNL to put a dish antenna on the AIR tower for its cellular phone service.

AIR tower in Lung Leh, in Mizoram, is another location which has been identified for putting up BSNLs dish. Talks are in an advanced stage for the Lung Leh tower and an agreement with AIR is expected soon, <u>said Dr Srivastava</u>. Najibabad, near Mathura, is perhaps another region to have the BSNL dish on the AIR tower subsequently.

Coming for an annual rental of Rs 3 lakh per tower, this works out as a more expensive option for the cellular companies. Private buildings rent out their rooftop to phone companies for a few thousand rupees even. But, in remote locations such as Port Blair and Lung Leh, there are no high towers for putting the cellular antennas.

That explains the need to have an arrangement with AIR for its towers. Around 30 to 40 metres is the minimum height requirement for installing a cellphone antenna. As far as quality of cellphone service is concerned, it wont make much of a difference whether the dish is installed on the AIR building or any other of the same height. But, almost hardselling AIR, Dr Srivastava said that AIR is cautious in checking the load capacity of a tower, before renting it out, unlike many others.

The agreement between BSNL and AIR is for 10 years with an exit clause. Besides the dish antenna, BSNL would put up its base stations/transmitters at the spot.

It may be recalled that AIR had recently rented out its Delhi tower to Mahanagar Telephone Nigam Ltd (MTNL) for putting up its dish antenna for cellular service. Although AIR has thrown open all of its 230 towers across the country for resource-sharing, only a handful have come forward to accept it yet.

Following senior-level talks with BSNL and MTNL, indications are that more such tie-ups with AIR are round the corner. AIR deliberations with private cell firms have not been successful so far. Meanwhile, Akashvani continues to woo businesses for resource-sharing, whether it is cellular firms or FM radio players!

11. Dr. Srivastava's Pioneering Work: Expanding Indian Broadcast to Africa & Southeast Asia via Digital Radio



# Indian Satellite Radio On WorldSpace

By Staff Writer | March 13, 2002

All India Radio (AIR) started transmissions last month of its digital satellite radio service for the Indian subcontinent and Southeast Asia, according to local reports. "Though AIR has been running a digital service for Africa on AfriStar since Aug. 15, 2000, this is the first time that its footprint is covering the subcontinent. This became possible only after AIR hired a transponder with 64 Kbps on AsiaStar from WorldSpace on an annual rental basis," the paper noted. About 25,000 people in India now own digital radios, which are priced between 7,000 and 15,000 rupees, the report stated.

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# 12. African Press Report on Successful Completion of Seven Community Radio Stations in Ethiopia

