

भारत सरकार
अन्तरिक्ष विभाग
राष्ट्रीय वायुमंडलीय अनुसंधान प्रयोगशाला
पो.बॉ.नं. 123, एसवीयू कैम्पस डाक घर
तिरुपति - 517 502
प्रयोगशाला : पो : गदंकी-517 112
पाकाला मंडल, चित्तूर जिला, आंध्र प्रदेश
दूरभाष : + 91 8585 272024, 222140
फैक्स : + 91 877 2248146 / + 91 8585 272018/21



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
NATIONAL ATMOSPHERIC RESEARCH LABORATORY
P.B. No.123, P.O SVU Campus
Tirupati-517 502

Laboratory: P.O. Gadanki - 517 112
Pakala Mandal, Chittoor Dist., Andhra Pradesh
Phone: + 91 8585 272024, 222140
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Dr. Dattatreya Gujjar
Sr. Prof., Department of ECE
Alva's Institute of Engineering and Technology
Mijar, Moodabidri -574225

June 29, 2017

Sub: Letter of Joint collaboration under project of GNSS network by NARL

Sir,


This is to initiate collaboration and joint research work for application of GNSS and ionospheric/atmospheric studies using navigation satellites under an on-going activity of ground based GNSS receiver network at NARL.

A GNSS receiver make "Septentrio PolaRxS PRO" with a "Septentrio GNSS MF-Antenna" and cables was installed at your institute on 17 April 2017 for the aforementioned objective. The plan is to study the delay over the satellite signals due to Earth's Atmosphere and Ionosphere and its effect in precise applications areas. The continuous data from the GNSS receiver installed at your lab would be utilized on collaboration basis.

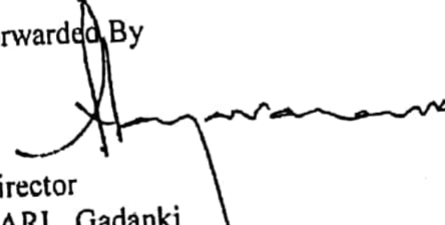
We wish that your institute also takes active part in using the data processing and research using the data recorded from this receiver at your site. Please note that the research publications using data from this receiver would be shared with you. Also, shall you wish to lead in specific scientific objectives under this plan and we assure you the best of our support.

This letter is intended to initiate the joint work and extend the operation of our GNSS receiver at your institute for 3 years. Please do the needful to support the installation of the receiver at your institute and send a response letter with similar intent. Thank you very much for your support to scientific research and development.

Sincerely yours


(Dr. Nirvikar Dashora)
Scientist/Engineer-SE
NARL, Gadanki

Forwarded By


Director
NARL, Gadanki

प्रो. ए. जयरामन / Prof. A. Jayaraman
निदेशक, एन.ए.आर.एल / Director, NARL
अन्तरिक्ष विभाग / Dept. of Space
भारत सरकार / Govt. of India
गदंकी / GADANKI-517 112

Date: 11/03/2017

Letter of Intent for Asset Mapping

Between

National Remote Sensing Centre, Hyderabad - 500037
ISRO, DOS

and

Alva's Institute of Engineering and Technology, Mijar, Moodbidri

ISRO has developed an online Portal - Bhuvan Panchayat (www.bhuvan-panchayat.nrsc.gov.in) with the space-based inputs towards resource-based and integrated spatial developmental planning of rural areas in a user-friendly enabling environment under the project 'Space based Information Support for Decentralized Planning (SIS-DP)'. In order to utilize the Portal for decentralized planning by Panchayat Raj Institutions (PRIs), ISRO has initiated a new project called Empowering Panchayati Raj Institutions Spatially (EPRIS) with the goal to empower PRIs by utilizing the Portal for developmental planning at Panchayat level. Towards achieving the goal, it is essential to have the information of existing assets so that one can assess the gap area and plan for new assets.

NRSC has initiated implementation of EPRIS project covering 10% of Panchayats with the help of Partner Institutions namely, SRSACs, NIRD and NGOs. Further to fasten the activity, the asset mapping workshop was conducted through distance learning from IIRS on 27th June 2016 to several academic institutions. During the workshop many academic institutions showed interest to participate in the asset mapping exercise. To carry out the asset mapping activity with Academic Institutions in a stipulated time of 3 months, ISRO has identified a nominal amount of Rs. 2000 per gram Panchayat for the logistics support. To avoid duplication of work, this Letter of Intent for asset mapping has been prepared for joint signature by NRSC & academic institutions.

In this Letter of Intent, National Remote Sensing Centre (NRSC) is the nodal agency for capacity building, asset mapping and activity planning for empowering PRIs, NRSC and Alva's Institute of Engineering and Technology, Mijar, Moodbidri, agree to exercise their best efforts in fulfilling the following obligations for asset mapping in the selected Gram Panchayats (as per list shown in Annexure-1):

1. All the community assets lying in the selected Gram Panchayat area are to be mapped using the latest version of Bhuvan Panchayat Asset Mapping Mobile App, freely downloadable from the Bhuvan Panchayat Portal (www.bhuvan-panchayat.nrsc.gov.in).
2. The asset mapping is to be done in co-ordination with the local Elected Panchayat Representatives / Panchayat functionaries and validated by the concerned Elected Panchayat Representative / Panchayat functionary.
3. The assets successfully mapped by the Bhuvan Panchayat Mobile App will be available on the Portal after moderation.
4. The following documents, available in Bhuvan Panchayat Portal for free download, may be referred for the detailed methodology: (i) Asset Directory and Mapping Guidelines, and (ii) Bhuvan Panchayat Asset Mapping App User Manual.
5. Remuneration will be paid to the University at the rate of Rs. 2000 per Gram Panchayat on signing of this Letter of Intent.

Dr. Ravin
20/3/17

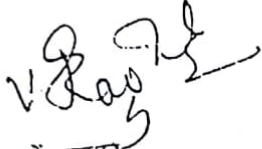
V. R.
22/3/17


[Signature]

6. University/Institutes should make their own arrangement for Smart phone(s) for collecting the asset data in the field
7. After successful mapping of all the assets utilization of fund with necessary certification by the Panchayat Representative/ Panchayat functionary need to be submitted to NRSC
8. After successful asset mapping, developmental activity planning using Bhuvan Panchayat platform will be planned separately by capacity building of the locals with the participated academic institutions at Panchayati Raj Institutions.

This letter of intent is valid until successful completion of the task as per the above obligations, or 3 months from the date of signing this letter, whichever is earlier. The obligations under this letter of intent can be nullified on mutual consent. This letter of Intent is not intended to and shall not constitute in any way a binding or legal agreement, or impose any legal obligation or duty on either party.

Signatures


वी. रघु वेंकटरामन
V. Raghun Venkataraman
National Remote Sensing Centre
CGM-RC, NRSC


Alva's Institute of Engineering and
Technology
PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijor, MOODBIDRI - 574 225, D.K.

Annexure-1

Details of the selected Gram Panchayats

State	District Panchayat	Intermediate Panchayat	Gram Panchayat
Karnataka	Dakshina Kannada	Mangaluru	ADYAR
			AIKALA
			AMBLAMOGRU
			ATHIKARI BETTU
			BADAGAYEDAPADAVU
			BAJPE
			BALA
			BALKUNJE
			BELMA
			BELUVAI
			BOLIYARU
			CHELAIKU
			DAREGUDDE
			GANJIMATA
			GURUPURA
			HALEYANGADY
			HAREKALA
			HOSABETTU
			IRUVAIL
			JOKATTE
			KALLAMUNDKUR
			KANDAVARA
			KEMRAL
			KILPADY
			KINNIGOLI
			KINYA
			KONAJE
			KONDEMULA
			KUPPEPADAV
			MALAVURU
			MALLOORU
			MANJANADY
			MENNABETTU
			MOODUSHEDDE
			MUCHURU
			MUNNURU
			MUTHURU
			NEERMARGA
			NELLIKARU
			PADUMARNAD
			PADUPANAMBUR
			PADUPERAR
			PALLADKA
			PAVURU
			PERMUDE
			PUTTHIGE
			SHIRTHADY
			SOMESHWARA
			SURINJE
			TALAPADY
			TENKAMIJAR
			UALIBETTU
			VALPADI
			YEDAPADAV
			YEKKARU

U. S.
29/10/17


PRINCIPAL

Alva's Institute of Engg. & Technology,
Milar, MOODBIDRI - 574 225, D.K.



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

Circular

We are happy to inform to all the HOD's, Deans and staff that ISRO headquarter scientists conducting **Two Day Workshop On "Space Technology and Applications"** on 02-03 November 2017 at RRSC-South, NRSC, Bengaluru venue and also they are helping us to carry out research work.

In this regard, informed to all the staff members (mentioned below) are attend the same. Bus Schedule will be informed at the earliest.

Address - ISRO, Headquarter, Antariksh Bhavan, New BEL Road, Bengaluru, Karnataka -31


Principal
PRINCIPAL

**Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.**

Copy to

Principal Desk

Mr. Vivek Alva, managing Trustee AEF

All Deans and HOD

Principal Alva's Degree College

TWO DAY WORKSHOP ON "SPACE TECHNOLOGY AND APPLICATIONS"

Date: 02-03 November 2017

Venue: RRSC-South, NRSC, Bengaluru

Participants: Faculty members of Alva Institute of Engineering and Technology
(AIET), Moodbidri, Karnataka

DAY 1: 02 NOVEMBER (THURSDAY), 2017	
09.30 AM- 09.35 AM	Welcome by Dr.K.Ganesha Raj, General Manager, RRSC-South
9.35 AM -10.30 AM	"Overview of Indian Space Programme" by Dr.P.G.Diwakar, Scientific Secretary, ISRO
10.30 AM - 10.45 AM	High Tea
10.45 AM – 12.00 PM	"Remote Sensing Platforms/Sensors" by Shri.T.Shamsudheen, EOS, ISRO HQ.
12.00 PM – 13.00 PM	"Digital Image Processing" by Shri.K.Nagajothi, Scientist, RRSC-South
13.00 PM – 14.00 PM	Lunch
14.00 PM – 15.00 PM	"Landscape Analysis & Biodiversity Characterization" by Dr.B.K.Ranganath, ANTRIX Corporation Ltd., Bengaluru.
15.00 PM -15.15 PM	Tea break
15.15 PM – 16.00 PM	"Soil Resources" by Dr.S.Ramasubramoniam, Scientist, RRSC-South
16.00 PM -17.00 PM	"Weather and Climate Studies" by Dr.D Jagadeesha, Scientist, EOS, ISRO HQ.
DAY 2: 03 NOVEMBER (FRIDAY), 2017	
09.30 AM - 10.30 AM	"Geohazards (Landslides & Earthquakes)" by Dr.John Mathew, EOS, ISRO HQ.
10.30 AM -10.45 AM	Tea break
10.45 AM – 11.30 AM	"Digital Elevation Model and its Applications" by Smt.A.Vidya, Scientist, RRSC-South
11.30 AM -13.00 PM	Visit to Lab and facilities at RRSC-South, (Smt.T.R. Nagashree & Shri.B. Chandrasekaran, Scientists, RRSC-South)
13.00 PM – 14.00 PM	Lunch
14.00 PM – 15.00 PM	"Water Resources" by Dr.K.S.Ramesh, Scientist, RRSC-South

15.00 PM -15.15 PM	Tea break
15.15 PM -16.00 PM	"Space based Navigation and Applications" by Dr.V.Poornapava Scientist, RRSC-South
16.00 PM -17.00 PM	"Geospatial Platform (Bhuvan)" by Shri.T. Shamsudheen, Scientist EOS, ISRO HQ.
17.00 hrs	Valedictory and Vote of Thanks

Faculty Name list

Sl.No	Name of the Faculty	Qualification	Department	Mbl. no
1	Mr. Vivek Alva	MBA	Managing Trustee, AEF	9945630301
2	Dr. Dattathreya	Ph.D	Electronics and Communication Engineering	9481582906
3	Dr. Praveen. J	Ph.D		8884767555
4	Prof. Shankar B.B	MTech(Ph.D)		7892658494
5	Prof. Parvez	MTech(Ph.D)		7829200515
6	Prof. Manjunath Kotari	MTech(Ph.D)	Computer science and Engineering	9449586008
7	Dr. Badusha	Ph.D		8122572250
8	Dr. Sumitha	Ph.D		9986672329
9	Dr. Umesh Chandra	Ph.D		9449574120
10	Prof. Sanjay	MTech(Ph.D)	Civil Engineering	9964051896
11	Prof. Ajith Hebbar	MTech(Ph.D)		9448582073
12	Dr. Basavaraju.B	Ph.D	Engineering Chemistry	941727797
13	Dr. Ravi kumar.C	Ph.D		8892540530
14	Dr. Pavitra.G.P	Ph.D		9739315602
15	Dr.Shashi Kumar.K	Ph.D	Engineering Physics	8971826021
16	Dr. Roopalakshmi. R	Ph.D	Information Science	9940200752
17	Dr. Rama Bhat	Ph.D	Bio-Technology, Alva's Degree college	9480228391
18	Dr. Sathyanarayana	Ph.D	Mechanical Engg Engineering	9964810960
19	Ashwin Jain	PG	Journalism	9900648252

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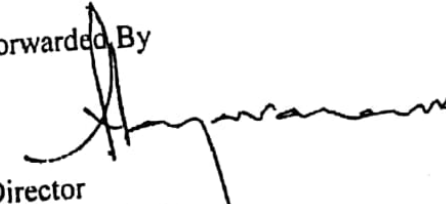
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