

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](http://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 Panchayat 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](http://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. S. R.  
27/3/17



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.

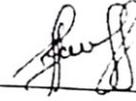
Signatures



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,  
Mijar, MOODBIDRI - 574 225, D.K.



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

**Report on NRSC Hyderabad Visit on 5<sup>th</sup> Oct, 2018**

Minutes of the Meeting with **Dr. Rajashree Bothle, General Manager,** Outreach Facility held at NRSC, Hyderabad.

- NRSC Hyderabad is working on Outreach Activity mainly concentrates on **Knowledge sharing, Training and Academic Project Execution.**
- NRSC designed a 300 thin client systems lab in Jeedimetla, Hyderabad campus for Outreach facility.
- NRSC ready to provide the students projects to Alva's Institute of Engineering & Technology, Moodbidri with following terms & conditions.
  - ❖ The NRSC Hyderabad is providing student Projects with a minimum duration of **3 months period** without any break.
  - ❖ Students with **First Class in 10<sup>th</sup>, 12<sup>th</sup> & B.E only** are allowed do projects at NRSC.
  - ❖ Students should have prerequisite knowledge in **Latest Mat lab 18.0 and Python Programming**, are only allowed to do the project at NRSC.
  - ❖ **The Foreign Nationals are not allowed**
  - ❖ For the forthcoming **January/Feb month only 3 batches are allowed from Civil, CSE & ECE disciplines, from AIET.**
- Dr.Manjunath Kotari, HOD CSE expressed the strength of students related to new technologies like Image Processing, awareness of MAT Lab and Python programming basics. Dr.Kotari agreed to send one batch of students to NRSC Jeedimetla campus. Dr.Kotari assured that, students will strictly follow the NRSC rules during the project period.
- Dr.Ajith Hebbar HOD Civil Engg., Dr.D.V Manjunatha, HOD ECE and Dr.Dattathreya, Dean Planning were also present during the meeting. Dr. Rajashree Bothle also gave an opportunities of **Industry Visit to NRSC Hyderabad** can be arranged for B.E students.



- The team also met Dr. Uday Raja, CGM-RC, NRSC on 5<sup>th</sup> October and discussed with ISRO Bhuvan and Navic Project.
- Dr. Uday Raja expressed that, Bhuvan Project completed by Alva's Institute of Engineering can be taken one step further, such as data analytics and for further planning and improvement of the mapped villages of Dakshina Kannada. He also expressed that, he would like to talk to faculty and students during his visit to AIET. He gave an information about ISRO NAVIC project.
- Finally team invited Dr. Uday Raja, CGM-RC, NRSC, to AIET and he was agreed to visit AIET during next visit.

  
HOD CSE

H. O. D.  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOOBEIDRI - 574 225