



ग्रामीण क्षेत्रों के लिए प्रौद्योगिकी विकल्प केन्द्र
भारतीय प्रौद्योगिकी संस्थान मुंबई
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**Centre for Technology Alternatives
for Rural Areas (CTARA)**

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Note of Association

An association of students, faculty members, researchers from various colleges and from Vasundhara, an agency of the Department of Agriculture, Government of Maharashtra, has been formed today, on **23rd September, 2015** to study all aspects of the Jal Yukta Shivar (JYS) and watershed programs in general, of Govt. Of Maharashtra. The objectives of this group is to conduct research so that the socio-economic and technical outcomes of the program are enhanced and to suggest any changes in the design of the program so as to enable this. The participating institutions are the Departments of Civil Engineering and related programs in (i) Shri Guru Gobind Singhji Institute of Engg. and Technology (SGGS), Nanded (ii) Govt. College of Engineering(GCOE), Aurangabad, (iii) College of Engineering, Pune (COEP)(iv) Vasundhara Watershed Development Agency (VWDA), Pune, GoM and finally (v) CTARA at IIT Bombay.

The association will execute joint projects and studies which address the following broad tasks:

- The construction of village-level plans for JYS and regional issues.
- Provisions in JYS on drinking water and their implementation.
- Use of GIS and other data sets for effective planning and analysis.
- Interventions and their outcomes, such as zones of influence, changes in cropping.
- Water budget computation, irrigation practices and various GSDA procedures.

Tentative locations for this work are villages in the following talukas: Phulambri (Aurangabad), Parbhani (Parbhani), Purandar (Pune) and Mokhada (Palghar). The association will also jointly work on any problems and assignments posed by government agencies and/or regional stakeholders such as elected representatives, gram panchayats, zilla parishads and others.

The work will be divided into two broad categories.

- 1. Academic research and practice.** This will address the applied research and practice of engineering and the required inter-disciplinary methods to meets the goals of the association. It will meet the academic requirements of the students and faculty members of their institutions.
- 2. Coordination and Delivery.** Liaisoning with government agencies, especially VWDA on specific assignments and developing reports and studies which are useful to the administration. Interface the academic research with practical needs. CTARA and its agencies will be chiefly responsible for this activity.

This note is also to request the cooperation, access to data, resources, facilities of all stake-holders such as department offices such as Water Conservation,, Agriculture, Water Resources and agencies such as MRSAC, village representatives, elected members of the Zilla Parishad and other. All data will be used for purely academic purposes. The principal participants for this activity from the five institutions are the following faculty members.

- Prof. Upendra Kulkarni, SGGS Nanded.
- Prof. U. J. Kahalekar, GCOE Aurangabad.
- Prof. Trimbak Parchure, Prof. Aruna Thube, COEP, Pune.
- Dr. Pritam Wanjari, GIS Expert, Maharashtra state coordinator, VWDA, Pune
- Prof. Milind Sohoni, CTARA IIT Bombay.