

NOTICE FOR INVITATION FOR EXPRESSION OF INTEREST
FOR EMPANELMENT OF TECHNICAL CONSULTANT/AGENCY
FOR SETTING UP AND OPERATIONALIZE A BIO-FERTILIZER/MICRO-
NUTRIENT UNIT, PREFERABLY AT LUDHIANA (PUNJAB).

Punjab Agro Industries Corporation Limited (PAIC), incorporated in 1966, is the premier organization of the Punjab Government, entrusted with the responsibility of promotion and facilitation of agro-based industries as well as providing quality agri inputs to the farmers in the state of Punjab.

PAIC plans to set up a Bio-fertilizer / micro-nutrient manufacturing unit with estimated yearly production capacity for Liquid Biofertilizer in the range of 4-5 lakh litres and for Granular/ Powder Bio Fertilizer upto 3000 MT.

Scope of Work:

Accordingly, the appointed knowledge agency shall have to exhibit the availability of a core team of qualified and experienced resources having ample experience in preparation of DPR, Detailed Tender Documents, and supervision during installation/setup of Bio-fertilizer/Micro-nutrient plant, liaising with concerned authorities/institutes/organizations/companies for completion and development of new products/technology and possesses wide network to assist in the sale of the product or other related fields, etc.

The Agency should have a team of experts preferably a Biotechnologist, a Micro-biologist, Agriculture Expert, and an Engineer with experience in setting up & operationalization of such plants.

Wherein the core responsibilities of the Technical Consultant/ Agency are mentioned below:

Design/Layout

1. Preparing and submitting DPR (Detailed Project Report) or Project proposal in compliance with the specified norms and standards of the Government of India or the respective state.
2. Assisting PAIC in site selection for the plant.
3. Designing layout and developing the whole plant.

4. Provide/supervise technical drawings & engineering layouts including civil, mechanical, and electrical fire layouts, plumbing & BOQ (Bill of Quantities) preparation.
5. Supervision and guidance during the construction of the plant. The design/layout plan should have the provision and possibility for expansion of capacity in the future and ensure maximum output.
6. Liaisoning for obtaining NOCs.
7. Providing necessary training to the staff of the PAIC from the beginning of the project to the period of 1 year after starting the production in the plant.

Product Development

1. Assisting the PAIC in procuring raw material or any other substance or material for manufacturing of Bio-fertilizers/micronutrients as per specifications.
2. Procurement of effective strain, detailed ingredients for the preparation of Seed culture and that for the broth, till harvest and packaging, etc.
3. Guide Critical Control Parameters (CCPs) including quality & risk analysis. Assist in the study of product shelf life
4. Provide guidelines and supervise the packaging, labeling, storage, and transportation for product.
5. Guide PAIC regarding product development as per specifications mentioned in FCO-1985/Standards.
6. Guidance and assistance in market studies to make the product successful.

Tendering Process

1. Preparation of Technical bid of Plant Machinery, procurement, installation, and operation of Bio-fertilizer/Micro-nutrient unit and its analysis for finalization.
2. To help PAIC in preparing and finalizing all the tender documents & appointment of service providers for complete execution of the project, wherever required by PAIC.
3. To help PAIC finalize the MOU/agreement with project authorities/agencies for the project.

4. To help PAIC in coordinating with the appointed agency(ies) and/or consultants responsible for the execution of the works and also in conducting quality inspections of works, where involved.

Utilities & Facilities

1. To guide and suggest the installation of equipment, Lab/ Plant machinery utilities and operations, etc at optimum cost and capacity.
2. All The above services but not limited to Designing services, Bid Process Management Services including preparation of Detailed Tender Documents, Specifications, Scheme Drawings, BOQs, NIT (Notice Inviting Tenders), Addressing Pre-Bid meetings, Evaluating Tenders, Finalizing parties/Service Providers as necessary in consultation with PAIC, Co-coordinating with the Contractor, Periodic Site Visits, Maintaining Time Table and Work Schedule, Verifying the Bills of Contractor, Supervision, and Monitoring of the Project and Stage-wise Certification of work up to final commissioning & handing over.
3. Periodic site visits during the execution to ensure the completion of all the services upto highest degree of satisfaction.
4. Providing training to the PAIC Team to successfully run the installed unit.

Others

The Consultant/Agency shall assist PAIC in carrying out surveys/studies and getting statutory clearances from the concerned Govt. agencies required before the start of project construction including, but not limited to:

1. Assistance in preparation of the application to the State Pollution Control Board for 'Consent to Establish'.
2. Assistance in preparation of the application to the State Electricity Board for Power supply and distribution.
3. Assistance in preparation of the application to Department of Agriculture and Farmers Welfare, Punjab for required licenses to manufacture and sale of Bio-fertilizer/Micronutrients.

4. Preparation of the final version of the Master plan and assist PAIC in getting requisite approval from local town and country planning authorities.
5. Preparation of project implementation schedule in line with approval for the project given by the competent authority.

The Agency will be able to assist in the following works:

- Product development and Training to staff.
- Staff appointment
- Material Procurement
- Initial Batches Validation
- Protocol for Production and Documentation support.
- Preparation of Site Master File.
- Plant and Machinery design with respect to capacity.
- Associate to assist in the selection of Equipment and execution.
- SOP for operation, R&M of plant etc.

Sale

The appointed Agency shall have to exhibit a wide network to assist in the sale of the product or other related fields etc.

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