

**Eligibility And Qualification Requirements and scope of works for The EOI, Ref : BNS/Project/2022-23/Carbon Credit Dated 14.06.2022 – EOI from consultancy services for Identification, Development and Assistance for Registration, Verification, Issuance and Trading of Voluntary Carbon, Water, SDGs Credits from various Projects of Banas Dairy, Gujarat, India.**



**BANASKANTHA DISTRICT CO-OP. MILK PRODUCERS' UNION LTD.**  
BANAS DAIRY, PB NO 20, PALANPUR –385001, DIST: BANASKANTHA,  
GUJARAT PHONE : 253881-85..FAX : 02742-252723

Ref: BNS/Project/2022-23/Carbon Credit

15.06.2022

**Expression of Interest**

Banas Dairy invites expression interest from recognized and accredited firms/ agencies for providing following services:

Consultancy services for Identification, Development and Assistance for Registration, Verification, Issuance and Trading of Voluntary Carbon, Water, SDGs Credits from Various Projects of Banas Dairy.

Interested firms/agencies may visit our website [www.banasdairy.coop](http://www.banasdairy.coop) for more information on scope of works, carbon credit projects that Banas Dairy has already completed and proposed in future. Agencies/ firms who are eligible and desirous to provide consultancy services should send their details of firms, documents meeting eligibility criteria and consultancy charges on or before 05.07.2022, 1500 hours to Senior Manager (Govt. Projects) om above address.

Banas Dairy reserves the right to award the job either in part or full. Banas dairy at its sole discretion and without assigning any reason thereof, also reserves the right to accept any/or reject any or all EOI.

**I/c MANAGING DIRECTOR**

## Eligibility and Qualification Requirements

The bidders must meet the following minimum qualification criteria:

1. The Bidder in the same name and style should be in the similar business for at least three financial years. In case of change of name of bidder by merger / acquisition / change in status, the bidder has to submit documentary evidences.
2. The Bidder should be profit making organization in the last three financial years i.e. 2019-20, 2020-21 and 2021-22 and copy of income tax return & audited profit and loss statement for these three years should be submitted.
3. Bidder annual average financial turnover in each of the last three financial years shall not be less than Rs. 50 Lakhs.
4. Bidders must have experience in Identification, Development and Assistance for Validation, Registration, Verification, Issuance and trading carbon credits projects for biomethanation and solar in the last five years.
5. Bidders with minimum of one national government, international government, or private company work experience of successfully trading carbon credits shall be prefer.

## 1. Introduction of Banas Dairy

Banaskantha District Cooperative Milk Producers' Union Ltd., Banas Dairy Palanpur is the largest Dairy Cooperative in Asia under **Amul – The Taste of India** Dairy Cooperatives. We are procuring raw milk from our Milk Producer Farmers of 1423 village level Dairy Cooperative Societies established in Banaskantha District. We have procured 90.58 lakhs litres of milk as One Day Peak in this year from 5 lakhs milk producer farmer families. Thus, we are farmers owned Organization.

Amul model is Dairy Development - 3-tier structure as primaries at Village Dairy Cooperative Societies, District level Processing Unit & State level Marketing Federation of Dairy Cooperatives in India. There are 19 District Milk Cooperative Unions in Gujarat under Amul Federation. All Milk & Milk Products manufactured at these District level Milk Coop. Unions are marketed by GCMF-Anand under **AMUL - THE TASTE OF INDIA** Brand name. We are the largest Dairy Cooperative contributing 30% in the State Federation as **AMUL**.

Banas Dairy in the last few years has taken various decisions to further improve the farmer's income and environmental benefit. Through this initiative, Banas Dairy has ventured into many projects like ETP-based biogas Plant, Tree plantation, installation of solar panels, multi-beneficial Gobar Gas Plant as BioCNG.

## 2. Requesting Expression of Interest

Banaskantha District Cooperative Milk Producers' Union Ltd., Banas Dairy Palanpur has issued a notice inviting EOI of consultants for Identification, Development and Assistance for Validation, Registration, Verification, Issuance and Trading of Carbon, Water etc. carbon Credit Projects for Banas Dairy, Gujarat, India.

### The scope of work cover eligible project :

- Renewable energy
- Compost formation project
- Bio-Methane Project
- Bio Fertilizer project
- Biogas project, Bio-CNG and waste water methane capture and use/flare
- Waste water treatments Project
- Urban/ Agro Forestry Project
- Rain water Harvesting
- Lakes, Lagoons, Aquifer, check dams, Bore Well Recharge Project
- Other eligible project.
- SDGs Activities at Banaskantha.

Few Project details are as follow:

<b>Project</b>	<b>Location</b>	<b>Capacity</b>
Bio-CNG Plant	Village : Dama Talk : Deesa Banaskantha District.	2000 cum/day
Solar Plant	Palanpur	985.6 KWP
Solar Plant	Faridabad	492.8 KWP
Solar Plant	Kanpur	403.2 KWP
Solar Plant	Lucknow	518.4 KWP
ETP based Biogas Plant	Palanpur	Purification capacity : 300 m3/hr
Tree Plantation work	Banaskantha District	1,43,02,159 Nos.

The main objective of Banas Dairy through this EOI is to avail the benefit account of Voluntary Carbon credits from the initiative projects done by Banas Dairy in favour of the environment conservation. The EOI intends to provide an opportunity to all potential agencies, consultants, and traders to showcase business cases related to carbon credits to provide details of their services offered on the desired scope.

**A brief Description of the projects is as below**

### **3. Program Description**

#### **a. Banas BioNG Plant -2000 Cum/day**

Hon. Prime Minister Shri. Narendra Modi Sir had directed to convert waste into wealth. Dairy can also do value addition in Cow Dung & generate energy. Gobar Gas Project also become new approach to get life time extra income from cattle dung, improving Environment through reducing methane emission & we shall get Organic Manure as output of the Gobar gas plant.



In this direction of Hon. Prime Minister Sir, Banas Dairy has decided to set up a pilot project of Gobar gas manufacturing plant at Banaskantha near Deesa station and it is working successfully from last one and half year. The capacity of this plant is to take 40000 Kgs/day cow dung as intake and produce 2000 CUM/day raw bio gas which shall be purified. The purified gas quantity shall be approx. 800 Kg/Day. The purified gas shall be compressed to a pressure of 250 bar and filled in cylinder cascades for local dispensing in the vehicles operating on CNG.

## **b. ETP based biogas Plant – Palanpur and Sanadar**

Banas Dairy is handling huge amount of Milk of which equivalent amount of waste water generated. Banas Dairy has set up huge ETP plant whose capacity is 5100 m<sup>3</sup>. The inlet water COD is 3500 ppm to 4000 ppm. After proper treatment the COD of outlet water is about for 1.6 MLD ETP: 25 ppm & 3.5 MLD ETP: 80 ppm. The capacities of Anaerobic Digester are 1.6 MLD ETP - UASB: 3 Nos. x 1600 m<sup>3</sup>, 2800 m<sup>3</sup>: Sludge digester & In 3.5 MLD ETP: 2000 m<sup>3</sup>: Sludge Digester. The treated water is use in irrigation purpose and for gardening purpose.

While treating this wastewater in ETP plant, it generates a significant amount of Biogas, which was earlier being flared into the Atmosphere. But from 2017 dairy has install Gas purification plant from which purified gas is utilizing in boiler and canteen.



## **c. Solar power**

Banas Dairy has installed solar-based power system generating 1,000 KW electricity at it premises in Palanpur. Banas Dairy also install other solar plant at Faridabad, Kanpur and Lucknow Plant whose capacity are 492.8 KW, 403.2 KW and 518.4 KW respectively.



## **d. Tree Plantation work**

Afforestation is the establishment of a forest or stands of trees in an area where there was no previous tree cover. Afforestation is helped to fight against climate concerns. It is known to increase the soil quality and organic carbon levels into the soil, and avoid desertification. Banas dairy directly





engages in afforestation programs to make Banaskantha district –a green district, helping the environment, and our planet. The rate of net deforestation was substantially over the last decade in the greater Banaskantha district. Banas dairy aims to grow 10 million tree plants every year across a district.

### e. Water conservation

The groundwater level is low in the Banaskantha district, which is going down day by day. The district mainly depends on agriculture. The agriculture and animal husbandry business is more challenging due to water scarcity. To solve the water scarcity issue, Banas Dairy always advocates the importance of rainwater and its storage.



Banas Dairy actively working on various activities to make Banaskantha the greenest district in India under the guidance of Banas Dairy's Chairman. The team selects various sites like lakes and deepens the rainwater catchment areas of the site. The Banas dairy carried out the deepening of **66 lakes** under Sujalam Sufalam Yojana of the government of Gujarat from April-May, 2021. Now we have decided to deepening **111 lakes** in villages of Banaskantha this year 2022. It is estimated that more than hundreds of crore litres of water will be stored across the lakes in the district. It will also raise the groundwater level by more than 1000 hectares of Banaskantha and Patan district, which helps the farmers in livelihood.

## 4. Format for submission of commercial offers:

- Recognition and accreditation Details
- Scope of work
- Exclusion of work
- Estimated Calculation of Carbon Credit for each project
- Cost Implications
- Estimated Numbers of **CoU** and Revenue Generation out of it
- Support Required from Banas Dairy
- Payment terms
- Charges for Documentation, Verification, Project succession fee.
- Other, if any

## 5. Timelines and contact Details

Agencies/ firms who are eligible and desirous to provide consultancy services should send their details of firms, documents meeting eligibility criteria and consultancy charges on or before **05.07.2022, 15:00 hours** to Senior Manager (Govt. Projects) on following address.

Senior Manager (Govt. Projects)  
Admin Block,  
Banaskantha District Co-Operative Milk Producers' Union Ltd.  
Banas Dairy,  
Post box No.-20,  
Palanpur -385001, Gujarat (India)  
Fax :02742-252723

Bidders are also requested to send their document in pdf format to [priyankmehta@banasdairy.coop](mailto:priyankmehta@banasdairy.coop). Further any information/clarification required can be obtained from the below details during the office hours [10:00 to 16:00 hours]

Mr. Priyank Mehta (Executive)

Contact No. : +91-9950423808

Email- [priyankmehta@banasdairy.coop](mailto:priyankmehta@banasdairy.coop)