Project - Jeevan Saanjh
Building Resilience in Natural Resource Management & Enhancing Livelihoods

Request for Quotation: Vendor for Pulp Processing Unit setup

Opening Date : 24th Dec 2024
Closing Date : 8th Jan 2025

1. About Partnering Hope Into Action Foundation

Partnering Hope Into Action Foundation (PHIA) is an Indian Charitable Trust registered in 2005. PHIA had a humble beginning with an education intervention with children from families engaged in waste picking for their livelihoods in the National Capital Region (NCR). Subsequently PHIA has diversified to work on multiple issues of development with an ethos to enhance development outcomes and wellbeing of communities who struggle through hardships of life and are left behind in their development.

PHIA now works across multiple geographies and thematic areas with the mission of building thriving communities. Our focus is on addressing issues of disadvantaged and vulnerable communities. Facilitating their empowerment in a way where they can be in charge of their own development and are able to thrive. PHIA works in partnership with multiple stakeholders including government, private sector, philanthropy institutions, civil society organisations, academic institutions and community-based organisations.

2. Project Brief & Geographical Coverage

The project seeks to strengthen resilience in Natural Resource Management and enhance livelihoods by establishing a Pulp and Millet processing unit. Situated in the Dhar Kalan and Bamiyal blocks of Pathankot District, Punjab, India, the initiative aims to build local capacity for sustainable natural resource management while also fostering economic growth. The processing unit will play a crucial role in converting various raw Pulp varieties and fruits such as mangoes, oranges, amla, and more into high-quality, value-added products, thereby boosting the income potential of local farmers and smallholders.

By establishing this processing facility, the project will reduce post-harvest losses, create employment to the locals, and enhance the marketability of locally produced Pulp and pulp value added products. Additionally, the unit will facilitate market linkages for the CBOs of the community, connecting them with broader supply chains and enhancing access to regional and national markets.

Targeting 4 Gram Panchayats in Bamiyal Block and 22 Gram Panchayats in Dhar Kalan Block, this intervention will not only improve local economic conditions but also empower women and youth by

providing them with opportunities for direct involvement in the processing and marketing of Pulp and pulp products.

3. Scope of Work & Deliverables

- Under the program, we are setting up a Pulp processing unit Collection Centre which is part of the Installation of Pulp Processing (Kinnow, guava, amla, litchi and other fruits) unit covering 500 Farmers.
- Through this RfQ, PHIA Foundation invites techno-commercial proposals from select credible vendor/service providers dealing in the supply, set up, installation & maintenance of Pulp processing unit in Dhar Kalan block, Pathankot.
- The service provider will be required to provide a fully working solution deployed at the project location. The vendor(s) shall also ensure maintenance (Asset management service) for the set up for a minimum three years.
- PHIA will provide space for unit set up and access to basic utilities like water and electricity at the processing unit site.
- The Pulp collection centre will be required to set up in the month of January - Feb 2025.

4. Additional Responsibilities for the Service Provider/Vendor

- Training and Capacity Building: Provide hands-on training sessions for local operators and community members to ensure efficient operation and maintenance of the processing unit.
- Develop user manuals and conduct workshops on equipment handling, safety protocols, and troubleshooting.
- Warranty and After-Sales Service: Offer a warranty for the equipment for a specified period (e.g., 12 months or more).
- Ensure availability of spare parts and a dedicated service team for post-installation support for three years.
- Sustainability and Energy Efficiency: Propose energy-efficient solutions and technologies to reduce operational costs and environmental impact.
- Explore the integration of renewable energy sources (e.g., solar power) for powering the processing units.
- Submit a detailed implementation plan, including timelines, resource requirements, and milestones.
- Performance Testing: Conduct performance testing of the installed unit to ensure it meets capacity and quality requirements.
- Should be able to demonstrate prior experience working in remote areas
- No subcontracting is permissible
- 50% Advance will be given and the balance will be settled post completion of the Work
- The funds will be transferred within 15 days of the work completion

5. **The list of items and description of goods/services along with the unit/ quantity is as mentioned below:**

Fruit Processing plant (Kinnow, guava, amla, litchi and other fruits etc) - Small Size processing plant with 200 KG/per hour Daily Production			
S.no	**Heading/Item**	**Unit**	**Specification**
1	Fruit Washing Machine	1	Power 1800 Watt Technology- Bubble Washing Suitable for Any Fruits & Vegetables Automation Grade -Fully Automatic Voltage - 220-240 V | 50 Hz
2	Sorting Conveyor	1	Type of Belt Conveyor- Roller Belt Conveyor Capacity(kg/feet) -300 Convey Height- 3 Feet - 6 feet Voltage -240 V Power - 3 hp
3	Working Table	1	As per the requirement
4	Screw feeder	1	Type-Roller Material- Stainless Steel Capacity -200 Kg Speed -1-2 m/s
5	Fruit Crusher	2	More than 5HP, 3 Phase fruit mill incorporates a single-pass/ double pass de-stoning system with changeable sieves and teeth for different fruit sizes.
6	Pulp Collection Tank	2	capacity- 600 to 700 kg
7	Transfer Pump	2	
9	Awla Machine Set	1	Please provide a quote if any additional machinery is required beyond the listed items.
10	Twin Pulper	1	Stages -Double Automation Grade -Automatic Electricity Phase -Three Phase Motor -2 HP - 3 HP Capacity -200 kg/hr Material -316 SS Frequency -50 Hz

			Voltage - 415 V
10	Filing Tank	1	as per the requirement for 200 kg per hours
12	Can / Bottle Filler and Packer Machine	2	Production Capacity 500- 700 C/B PH Automation Grade - Automatic Packaging Type - Spout pouch filling and capping Power- 2 Kw
16	Water Storage Tank for Water supply	3	2000 liters each
18	Solar Geyser (500 liters)	2	
19	Solar Plant to run the Processing unit (10 KW - 20 KW) Solar powered plant)	1	Hybrid
20	Cold Storage System Dimensions -	1	12 feet * 10 feet * 8- 9 feet height, approximately 5- 8MT -20 c - 25 C Temperature, 1 phase, 5kva.
21	Electrical one / Sterilizer and Cooling Unit	1	The shell-and-tube heat exchanger/ Tubular Heat Exchanger (THE) in a Fruit Pulp Unit Storage Tank and Screw Pump The 200L SS304 storage tank. Holding Coil and Cooling HEx Cooling Tower A 25 TR fiber-molded cooling tower all product flow is connected with SS Pipes
22	CIP	1	Automation Grade - Automatic Control System -PLC Control Grade- 316 Material -SS
23	Aseptic Packaging Unit	1	The pneumatically actuated aseptic filler operates within a steam-sterilized SS304 chamber

24	Instrumentation and process control system	1	PLC system provides centralized control of the process, featuring HMI displays for monitoring temperatures, troubleshooting, and production data.
25	electric Dehydration unit	1	Capacity 1000 kg raw input for drying per day

- The selected vendor/manufacturer will install the equipment and machineries in village Dhar Kalan block of Pathankot District, Punjab, India and will impart a training on the usage of the machineries.
- **HDFC Branding** Metallic Board (3 feet x 2 feet)

6. Preconditions

- Should be able to demonstrate prior experience of minimum 10 years working in remote areas.
- Subcontracting is not permissible
- 50% Advance will be given and the balance will be settled post completion of the work.
- The funds will be transferred within 15 days of the work completion.
- Compliance with Standards: The vendor must comply with all applicable national and regional quality standards and certifications for the equipment and services provided.
- References and Documentation: Provide references from at least two previous projects, preferably in similar geographic or operational contexts.
- Submit necessary certifications, licenses, and proof of past experience during the bidding process.
- Timeline Adherence: The vendor must adhere to the project timeline strictly. Delays will result in penalties as per the terms outlined in the agreement.
- Insurance Coverage: Ensure that the supplied equipment is covered by transit and installation insurance until the successful handover to the project team.
- Training Commitment: Commit to conducting operator training sessions as part of the project deliverables, ensuring local capacity building.
- Technical Support Availability: Guarantee the availability of technical support for troubleshooting and maintenance for a specified period post-installation (e.g., 12 months).
- Confidentiality: Maintain confidentiality of all project-related data and activities, as outlined by the PHIA Foundation's terms.

7. **RFQ** Online submission is acceptable through the Google form Link mentioned below- https://docs.google.com/forms/d/e/1FAIpQLSc_wiUidAuFuwuEtSwk0Ge_LX4x4sv0KOiul2fykO5e3E6p7A/viewform?vc=0&c=0&w=1&flr=0

8. Point of Contact Person

Name: Saurabh Tiwari
Email: Saurabhtiwari@phia.org.in

Interested vendors/Service providers can write an email for any clarification.

9. Evaluation Criteria: The evaluation of the RFQs will be done on the following criteria:

Sr.No	Section	Score
1	Organizational details	Not scored
2	Registration details	Not scored
3. Technical Capability	Expertise in processing technology Experience with NGOs/government projects Compliance with ISO 9001, ISO 22000, and relevant certifications	20
4. Financial	Competitive pricing Transparent payment terms	20
5. Track record	Track record in similar projects References from at least two previous projects Client testimonials	20
6. After-Sales Support	Availability of maintenance, training, and support Warranty and service agreements	20
7. Legal and Regulatory Compliance	Valid business licenses and statutory registrations Compliance with government procurement policies	20
	Total	100