

Project - Jeevan Saanjh

Building Resilience in Natural Resource Management & Enhancing the Livelihood of the Community in Dhar Kalan & Bamial Block of Pathankot District, Punjab, India.

Request for Proposal: *Construction of NRM Structure in Dhar Kalan block*

Opening Date: *12th March 2025*

Closing Date : *27th March 2025*

TERMS OF REFERENCE FOR CONTRACTUAL ASSIGNMENT

This document outlines the terms of reference for constructing NRM (Natural Resource Management) structures under the *Jeevan Saanjh project*, implemented by the Partnering Hope into Action (PHIA) Foundation. The primary focus of this initiative is expanding irrigation areas to support sustainable agriculture and improve water resource management. Additionally, the project aims to enhance biodiversity conservation, diversify livelihoods, strengthen community empowerment, and control soil erosion in Dhar Kalan block of Pathankot, Punjab.

A. About PHIA Foundation

Partnering Hope into Action (PHIA) Foundation was officially registered in 2005. Since 2015, it has significantly scaled its operations, expanding its reach to work in the states of Bihar, Jharkhand, Uttar Pradesh, Madhya Pradesh, Punjab, Ladakh and Delhi NCR. This strategic expansion reflects PHIA Foundation's commitment to making a tangible impact in diverse regions and addressing the unique needs of communities across multiple states. At the core of PHIA Foundation's vision is the aspiration for a society free from poverty, exclusion, and discrimination, where every individual can live with justice, dignity, and respect. This vision serves as a guiding principle, driving the foundation's efforts to tackle the root causes of social inequality and create sustainable change. Aligned with its vision, the PHIA Foundation has a mission to work alongside communities, empowering them to access their rights, entitlements, and equal opportunities. Recognizing the importance of grassroots participation and local ownership, PHIA actively collaborates with various partners, community organizations, and stakeholders. By forging these partnerships, PHIA Foundation ensures that the voices and aspirations of poor marginalized and vulnerable communities are recognized and integrated into the development process. For more information about PHIA Foundation, please visit our website at www.phia.org.in.

B. Project Brief:

PHIA Foundation is implementing a pilot project titled "*Building Resilience in Natural Resource Management & Enhancing the Livelihood of the Community in Dhar Kalan & Bamial Block of Pathankot District, Punjab, India.*" The project aims to create a resilient and sustainable future for the communities of Dhar Kalan block by focusing on irrigation expansion, soil erosion control, groundwater recharge, biodiversity conservation, livelihood diversification, community empowerment, and increasing farmers' income. Expanding irrigation areas will enhance agricultural productivity and ensure water security for farming communities, while soil erosion control measures

will help prevent land degradation and maintain soil fertility. Groundwater recharge initiatives will be implemented to improve water availability, ensuring a sustainable supply for agricultural and domestic use. Biodiversity conservation efforts will protect and restore local ecosystems, fostering resilience against climate and environmental challenges. Through livelihood diversification, the project will support new income-generating activities such as fruit pulp and millet processing units, enabling farmers to create sustainable market linkages and add value to their products. By improving access to resources, training, and market opportunities, the project aims to increase farmers' income, ensuring economic stability and long-term growth. Community empowerment remains a core aspect of the initiative, strengthening local institutions to manage natural resources and livelihood development effectively. By integrating these efforts, the project seeks to improve ecological health, expand economic opportunities, and promote community leadership, creating a foundation for long-term sustainability.

The project is being implemented within a selected micro-watershed area that encompasses 22 Gram Panchayats located in the Dharkalan block of Pathankot.

Contract Location	Gram Panchayats in Dhar Kalan Block District Pathankot (Punjab)
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C. Scope of Work:

The project has facilitated the community to identify some Natural Resource Management (NRM) based structures and now intends to provide support to the community for construction of these structures as mentioned below.

Sl.No	NRM Structure	Dimension	Unit
1	Loose boulder structure	10 m	19
2	Gabion (Cret)	8m	6
3	Underground dyke	13m	4
4	Farm Pond	50 mx50mx3	8
5	Farm Pond/ Percolation Ta	30 mx30mx3	10
6	Earthern Dam	40 m	6
7	Drip Irrigation	1 Acre	25
		Total	78

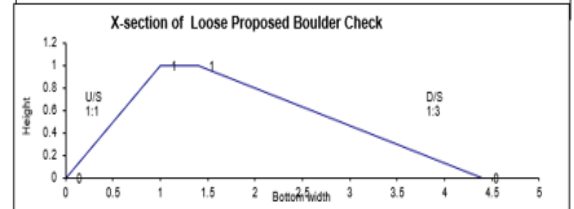
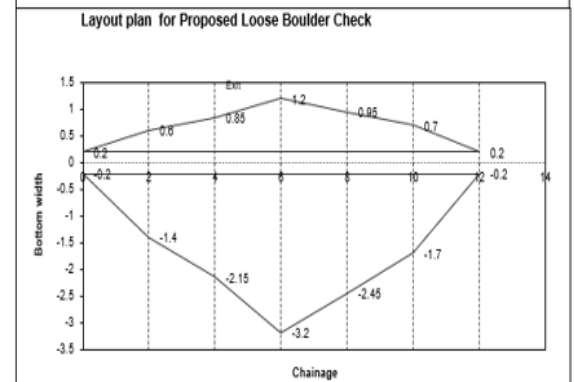
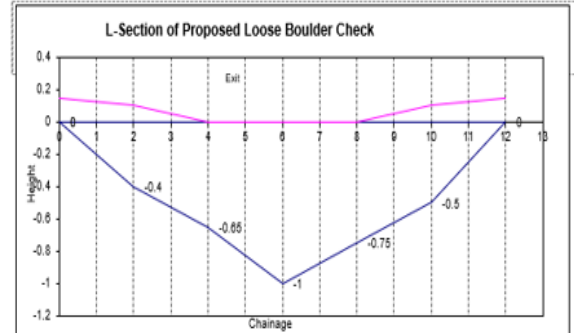
- HDFC Branding Iron Board (3.5 feet x 3 feet Stand 5 feet) – 78 Nos.
- **Note:** - The quantity provided is approximate quantity and may increase or decrease at the time of placing the contract.

Below are the technical details for each of the proposed structures:

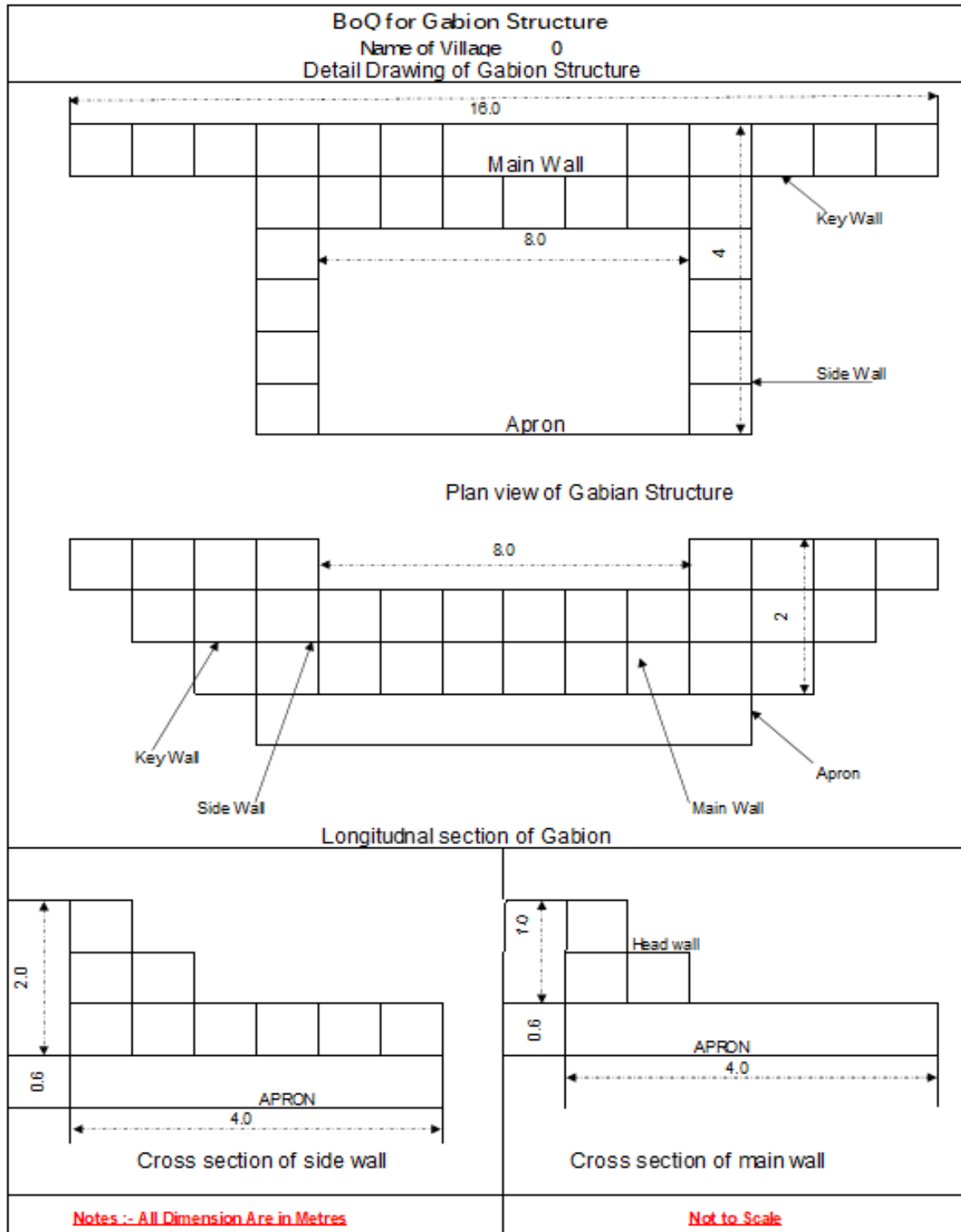
1. Boulder Structure 10m Length (S.No.- 1)

Design data for Proposed Boulder check			
Total Length	10	Mtr	
Max.height	1	Mtr	
U/S Slope 1:	1		
D/S Slope 1:	3		
Top Width	0.5	Mtr	

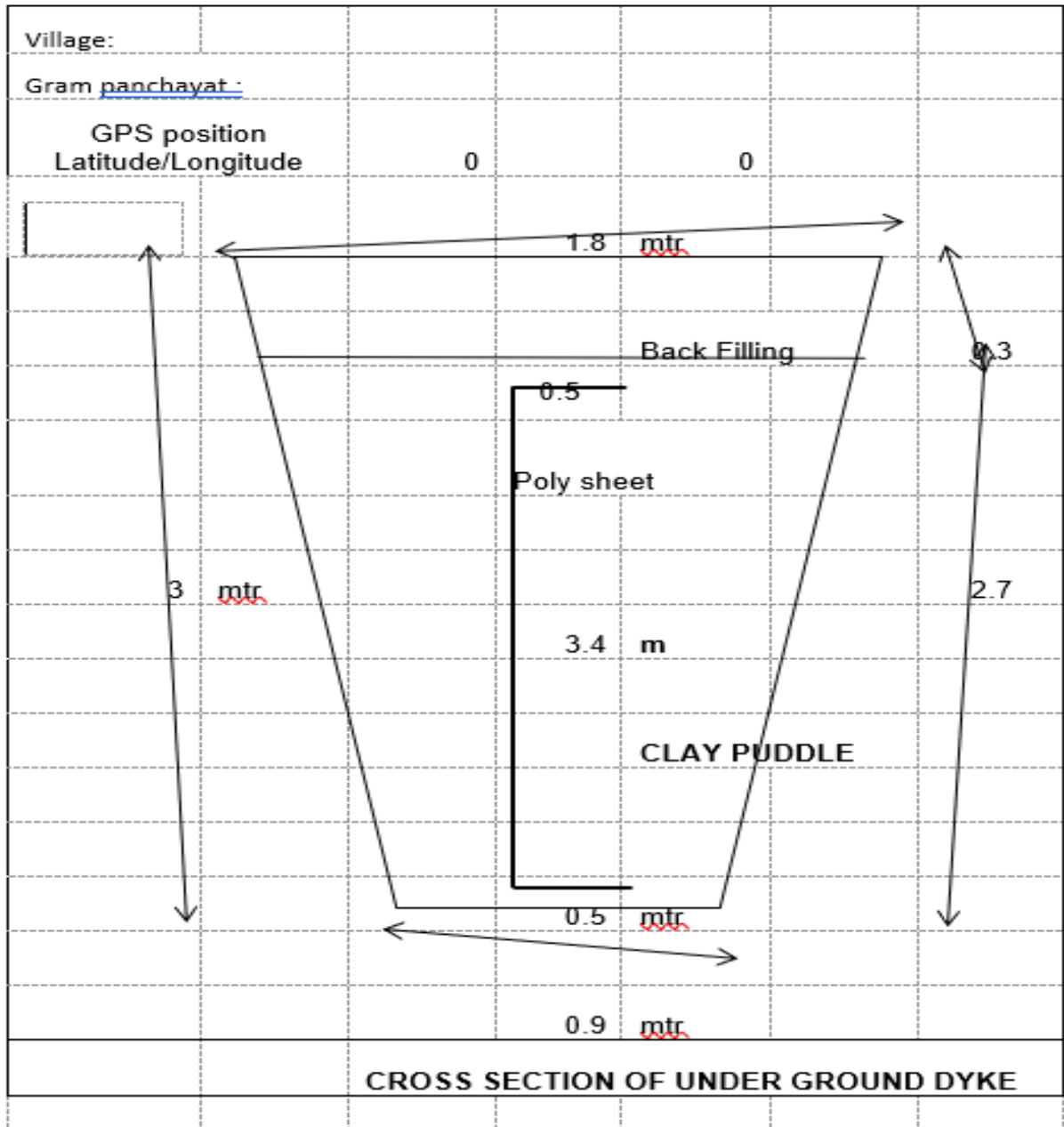
Loose Boulder check Quantity Calculation								
Chainage	Height	Area of X-Section	Area of X-section	Length	Quantity in Cum	width of stripping	Av. Width of stripping	Area of stripping in Sqm
		$A = \frac{(TW+BW) \times H}{2}$	$A_v = \frac{(A1+A2)}{2}$	L	Av X L	BW of Sec.	$B_{av} = \frac{(Bw+BW)}{2}$	LX B _{av}
0	0	0				0.5		
1.33	0.4	0.52	0.26	1.33	0.347	2.1	1.3	1.73
2.67	0.65	1.17	0.845	1.33	1.13	3.1	2.6	3.47
4	1	2.5	1.805	1.33	2.45	4.5	3.8	5.07
5.33	0.75	1.5	2	1.33	2.67	3.5	4	5.33
6.67	0.5	0.75	1.125	1.33	1.5	2.5	3	4
8	0	0	0.375	1.33	0.5	0.5	1.5	2
9.33	0.5	0.532	0.25	1.33	0.25	0.5	1	1.5
				10	9.15			20.9
	Add 15 % for Keying & exit weir					1.22		3.5
	Add extra stone for filling up the stripping					3.70		
	Total Quantity					13.76		24.6



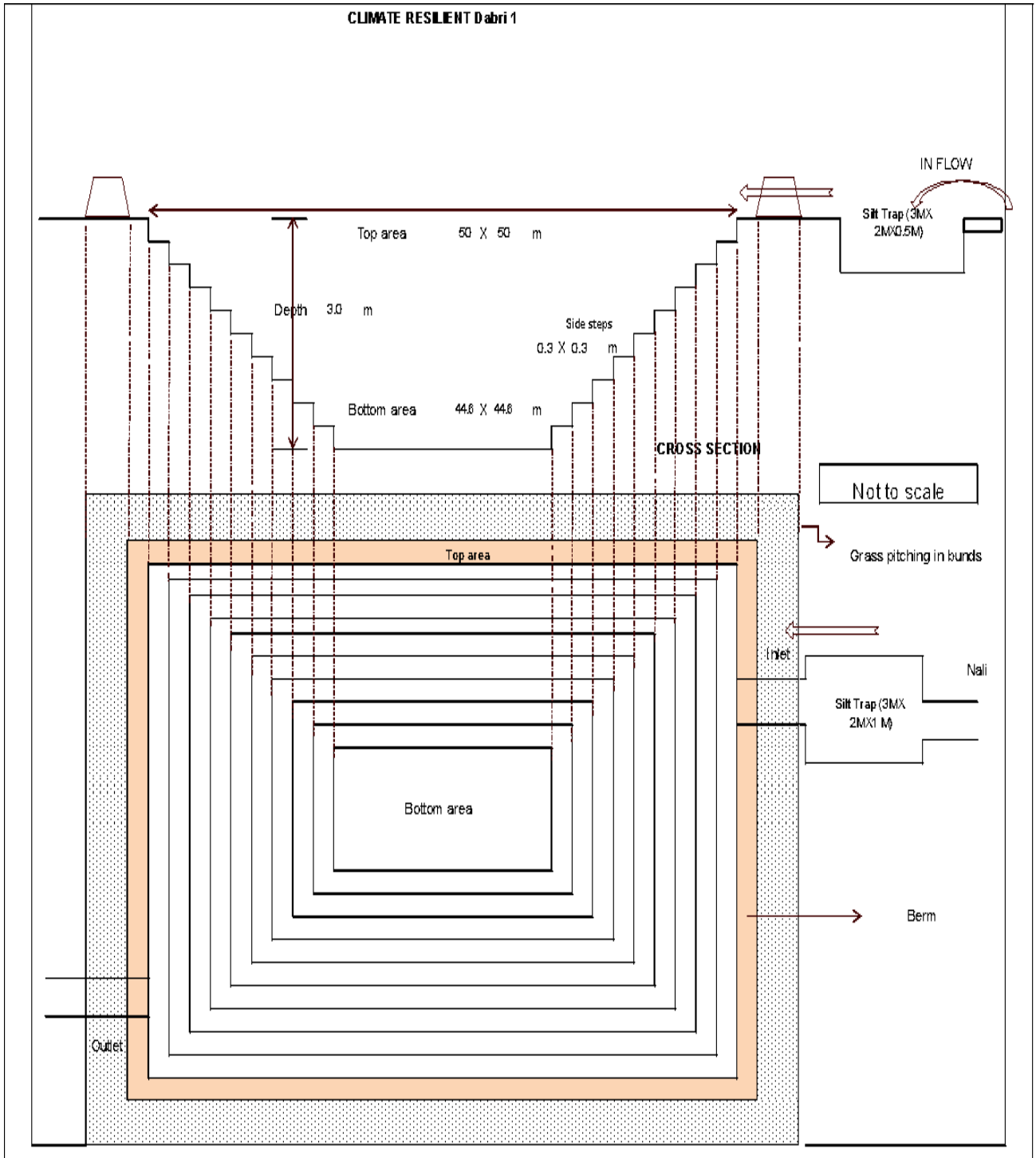
2. Gabion (Cret) Retaining wall Lenth 8m (S.N.2)



3. Underground dyke (S.N.3)



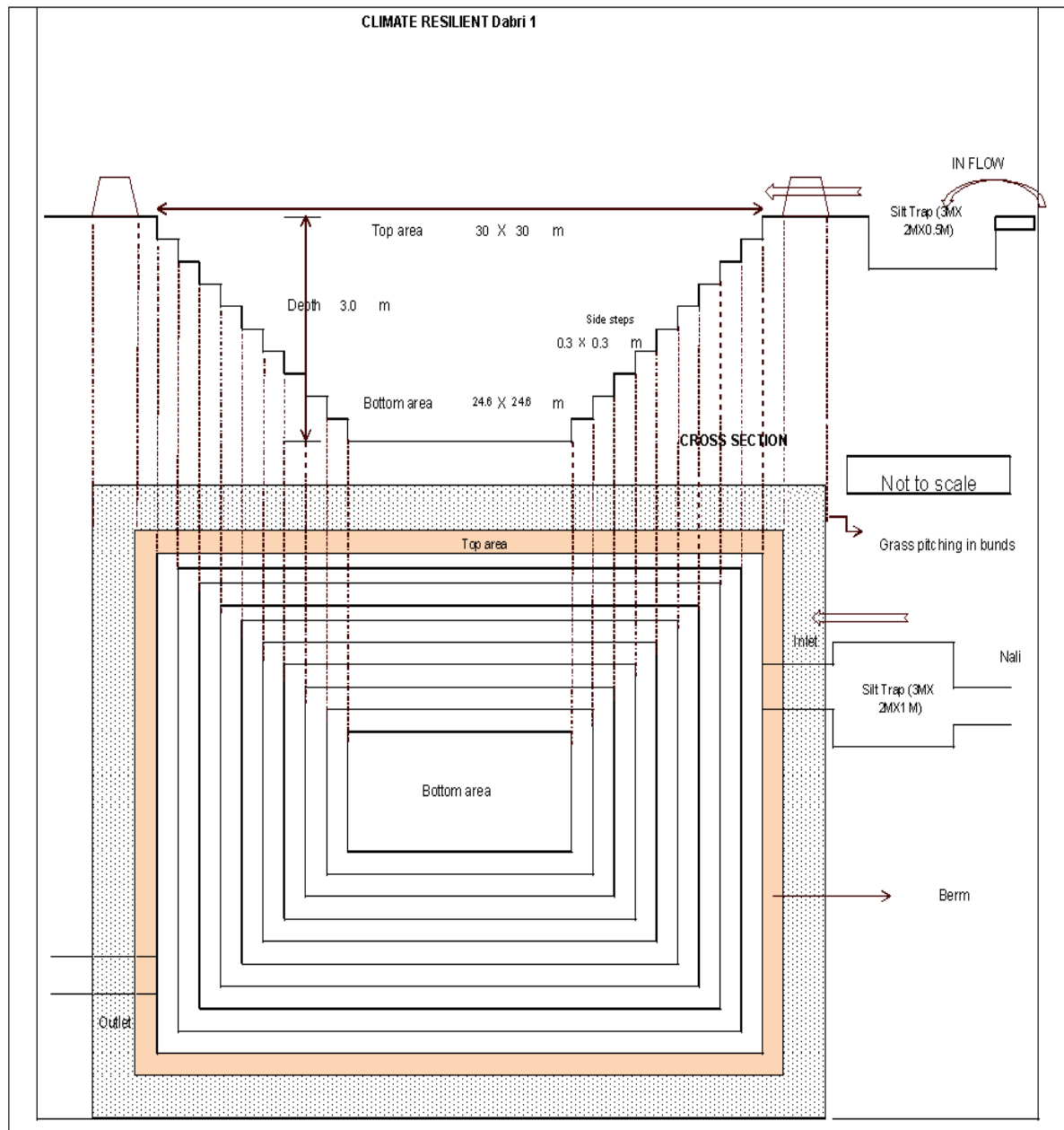
4. Farm pond 50x50x3 m (S.N.4)



PLAN

- *Inlet & Outlet Stone Pitching*

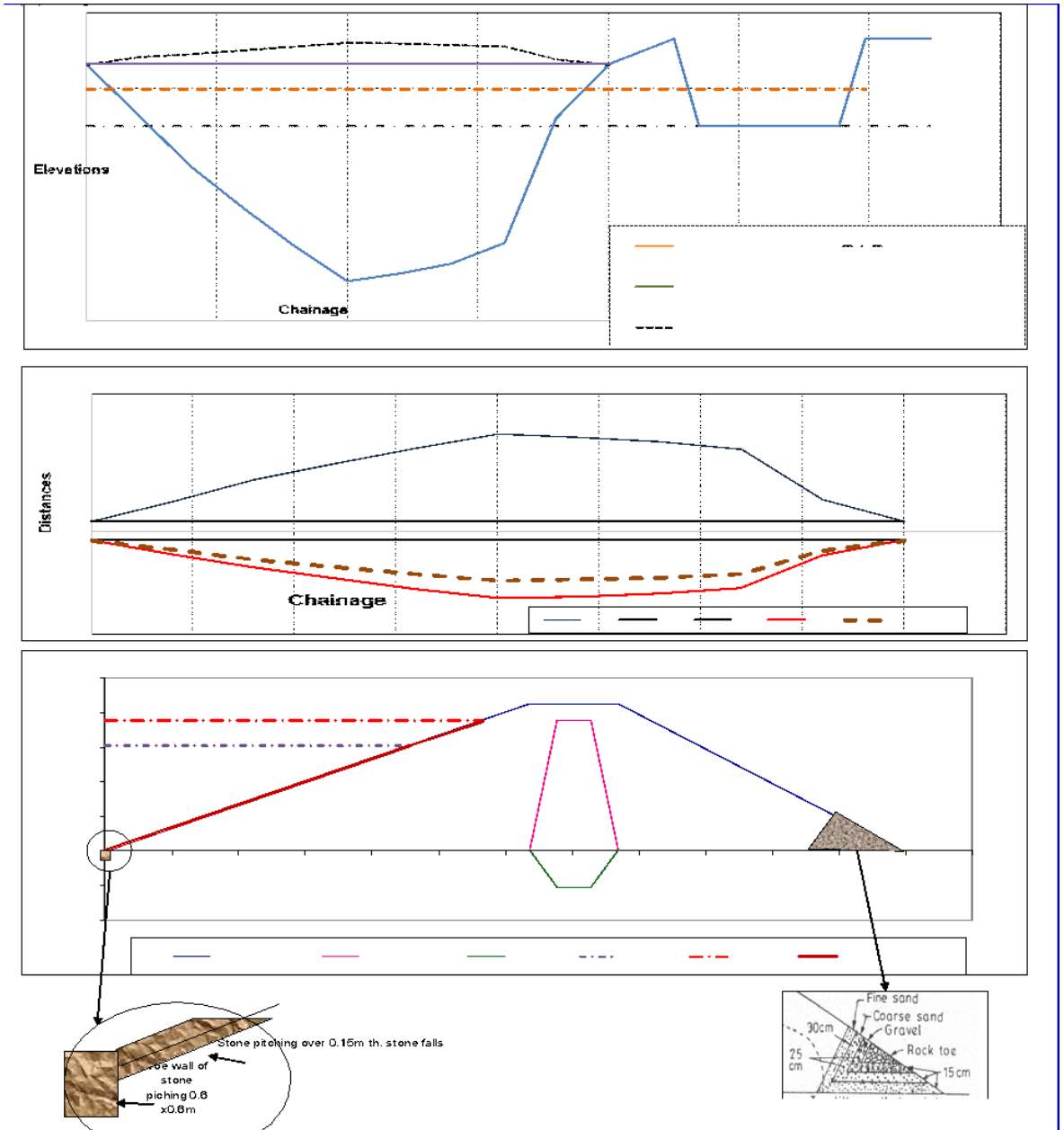
5. Farm pond 30x30x3 m (S.N.5)



PLAN

- *Inlet & Outlet Stone Pitching*

6. Earthen Dam 40 Meter (S.N.6)

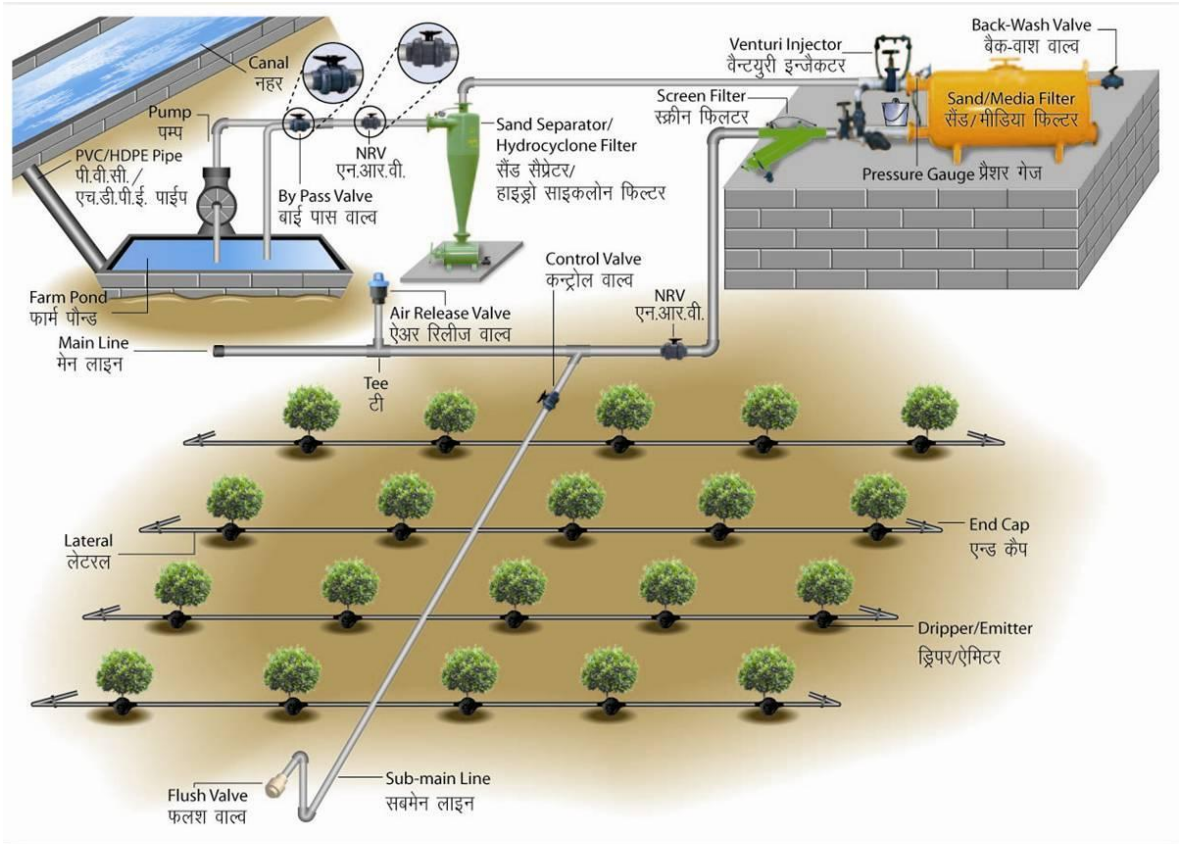


Request for Proposal for project "Jeevan Saanjh" for the year 2025-26

7. Drip Irrigation 1 Acre land (S.N.7)

SYSTEM TYPE: DRIP IRRIGATION SYSTEM			
DISTRICT: PATHANKOT		AREA	1 ACRE
BLOCK: DHAR KALAN		LATERAL DISTANCE	1.5X1.5
		DRIPPER TO DRIPPER DISTANCE	
		DRIPPER DISCHARGE	8 LPH
SYSTEM	MATERIAL TYPES	UNIT	QUANTITY
FILTER	Disc Filter (Plastic) 80 mm (3 ") 35-50 m3/hr	EA	1
		EA	
	Ventury Injector (With Assmbly) 2"	EA	1
PRESSURE GAUGE/AIR VALVE	Pressure Gauge 2"(with Glycerine)	EA	1
	Air Release Valve 1 "pvc	EA	1
PVC PIPE	PVC Pipes 75 mm x 4 Kg/cm ² CL-II	EA	12
	PP Ball Valve 75mm (2.5")	EA	2
	PP Ball Valve 90mm (3")	EA	
	Balson online dripper 4& 8 LPH	EA	
	Flush valve 63mm x 75mm	EA	2
16 MM LATERAL	16mm Diameter, Class-2 (ISI) PLAIN LATERAL	M	100
	HEADER ASSEMBLY 3" PLASTIC	EA	
	Drip lateral 16mm Ø/4 lph/30 cm, Class-2 (ISI)	M	2500
DRIP CONNECTOR	Grommet 12/16mm	EA	100
	Start Connector 12/16mm	EA	100
	Jointer 12/16mm	EA	100
	End Cap (Line End 12/16mm	EA	100
		EA	

Drawing Drip Irrigation



Layout of Drip Irrigation System (ड्रिप सिंचाई पद्धति का रेखाचित्र)

Request for Proposal for project "Jeevan Saanjh" for the year 2025-26

D. Terms and conditions:

1. **Proposal Details:** The proposal must include the date, number, and the GST number/ registration/ license number/ PAN number.
2. **GST Breakdown:** If GST applies, it should be clearly listed separately in the proposal.
3. **Tax Deduction Norms:** Taxes will be applied as per government regulations. It is mandatory to link your Aadhaar with your PAN card. If the linkage is not available, tax deductions will be made at the highest rate according to government rules.
4. **List of Similar Projects:** Provide a list of similar works completed over the last five years, including details of clients and contract values.
5. **Financial Information:** Submit the company's financial details for the past three years based on the audited balance sheet.
6. **Transportation and Handling Costs:** Clearly specify the costs for transportation, loading, and unloading in your quotation. If these are not mentioned, they will be considered included in the quoted price.
7. **Material and Work Description:** The proposal must include a detailed description of the required materials or proposed work. Materials must meet the specified brand and quality standards. Failure to meet these requirements will render the proposal invalid.
8. **Proposal Validity:** The proposal must be valid for at least 30 days, and this period should be clearly stated.
9. **Payment Terms:** The payment terms must be mentioned. Payments are typically processed through cheque/RTGS within 15-20 days of bill submission.
10. **Proposal Submission:** Online submission of Proposal is acceptable through the Google form Link mentioned at the end of the format.
11. **Non-compliance with Specifications:** If the material or work delivered does not meet the specified requirements, it will be rejected and returned at the vendor's expense. The vendor will be fully responsible for any return-related costs.
12. **Installation Responsibilities:** If installation is required, the vendor will be responsible for completing the installation within the given timeframe.
13. **Failure to Deliver:** If a purchase order or work order is issued and the vendor fails to deliver materials or complete the work on time, the organization reserves the right to blacklist the vendor for future contracts.
14. **Bank Account Status:** Ensure that your firm's bank account is not frozen by the bank at the time of proposal submission.
15. **Proprietor Payment Information:** If the payment is to be made in the name of the proprietor, the proprietor's name, bank account details, and IFSC code must be provided. Payments to anyone other than the proprietor will not be accepted.
16. **Submission Deadline:** The final date for submitting the proposal is **27/03/2025**. The management reserves the right to review proposals received after the deadline.

E. Construction Guidelines:

1. All structures must adhere to IS codes and relevant industry standards for material and execution.
2. Contractors must conduct a geo-technical assessment where required to ensure structure stability.
3. All structures must adhere strictly to approved designs, technical specifications, and sustainability standards.
4. Construction must be completed within the stipulated timeline as per the contract.
5. Any deviation from the approved plan requires prior approval from the concerned authorities.
6. Machinery use is restricted to material transportation and permitted earthwork activities.
7. Only approved materials meeting quality standards should be used.
8. Material sourcing must align with local and sustainable procurement guidelines.
9. Regular quality inspections will be conducted, and non-compliance may result in penalties.
10. Wages must comply with the minimum wage regulations of the area.
11. Payments must be timely, transparent, and documented to ensure fair compensation.
12. Child labor and forced labor are strictly prohibited.
13. Adequate safety measures must be implemented to protect workers and prevent accidents.
14. Construction activities must not disrupt natural drainage patterns or cause environmental degradation.
15. Proper waste management and site restoration should be ensured post-construction.
16. Non-compliance with guidelines may result in warnings, financial penalties, or contract termination.
17. Regular audits and inspections will be conducted to ensure adherence to the guidelines.

F. Reporting Guidelines:

1. A third-party audit may be conducted at the discretion of PHIA Foundation.
2. Contractors are required to integrate GIS mapping or mobile-based tracking for project monitoring.
3. The vendor must keep the record of payment done to the labors.
4. Pre and post photographs of the site with clear view of the structures need to be produced for evidence. It is mandatory that the vendor must take latitude - longitude of the construction site and share it in the completion report.
5. Vendors must maintain detailed records of materials, labor attendance, and payments.
6. Periodic progress reports must be submitted to the overseeing authority.
7. Any challenges, delays, or deviations must be reported immediately for resolution.

G. Evaluation & Criteria

Criteria	Yes/No
Minimum 5 years of experience in design, engineering and executing a similar project	
At least 2 similar projects executed in the last financial year in Punjab, preferably at Pathankot	
The average turnover for FY 2023-24 and 2024-25 must be INR 1 crore.	
The firm should preferably be local.	
Should have executed at least 3 projects of the Government of Punjab / Govt of India/ any other Company.	
Approach and methodology for implementation of the project with timelines and detailed specifications and drawings	

The evaluation of the Proposals will be done on the following criteria:

Sr.No	Section	Scoring
1	Organizational details	Not scored
2	Registration details	Not scored
3	Financial information	Not scored,
4	Section 1 - Experience (20 points) 1. Minimum 5 years in similar work (15 points) 2. Local firm (preferably in Pathankot) (5 points)	20
5	Section 2: Experience and Execution (40 points) 1. Previous Project Execution (20 points) <ul style="list-style-type: none"> • Relevance and quality of past projects • Credibility and feedback from references provided 2. Compliance with Quality Standards: (10 points) <ul style="list-style-type: none"> • Adherence to applicable IS standards and certifications 3. Materials and Equipment: (10 points) <ul style="list-style-type: none"> • Quality and appropriateness of proposed materials • Specifications of equipment to be used 	40
6	Section 3: Financial Proposal (40 points) 1. Cost Competitiveness: (25 points) <ul style="list-style-type: none"> • Reasonableness of quoted costs • Detailing in cost breakdown 2. Payment Terms: (10 points) <ul style="list-style-type: none"> • Alignment with RFP terms or feasible alternatives 3. Validity of Quotation: (5 points) <ul style="list-style-type: none"> • Quotation period sufficiency 	40

H. Payment Term Conditions:

- Payment will be made in a phased manner:
 - 30% advance after issue and signing of work order,
 - 40% after mid-term review of quality and progress of work done, and
 - 30% after final completion, approval and reinstatement of project site.
- Any delay in completion beyond the stipulated timeline will attract a penalty of 1% per month, up to a maximum of 10% of the contract value.

I. Performance-Based Work Allocation:

If the vendor successfully completes the assigned work with satisfactory quality and within the stipulated timeline, the organization may, at its sole discretion, allocate additional work under similar terms and conditions.

J. Evaluation of Financial Proposal:

The financial proposals of all technically qualified bidders will be opened on the date and time specified by the Authority. The financial proposal must include cost figures for the project as per the prescribed format. Evaluation will be conducted based on the Lowest Cost/Technically Qualified method.

K. Timeline: The work must be completed by February 2026.

L. Application Process:

Interested and eligible applicants must submit the following:

1. **Technical proposal:** A document outlining previous experience in similar projects, details of material and equipment and plan for execution. Please also provide at least three references/ project completion report or certificates from previous clients.
2. **Financial Proposal:** A detailed cost estimate covering all anticipated expenses for the services rendered. Separate cost estimates have to be provided for each kind of structure.
3. **Legal documents** – Aadhaar of proprietor, registration documents of companies/ firms, PAN, GST, audited financial statements for last three years, MSME registration, ESI registration, PF registration, ISO Certification, any other licences required for the State of Punjab.
4. Online submission of Proposal is acceptable through the Google form Link mentioned below

[Application for NRM Structure in Pathankot, Punjab - Google Forms](#)

The proposal must be submitted by 27th March 2025 to **procurement@phia.org.in**
In case of any query during developing the proposal, please write at **procurement@phia.org.in** by 24th March 2025. The query will be answered within two working days.

Quotation / Tender value

(To be printed on Pre-numbered Quotation format or if same is not available then on Letterhead with unique number and date)

FORMAT OF QUOTATION

(To be provided separately for each structure)

Sr. No.	Description of Goods/Service	Specifications	Qty.	Unit	Quoted Unit Price	Total Amount
		Total				
		Taxes @% (if any)				
		Grand Total				

Terms and Conditions:

1. Tax Registration No. –
2. Transport –
3. Validity of Quotation –
4. Warranty/Guarantee –
5. Expiry date of the material (wherever applicable) –
6. MSME Registration – Yes/No

Signature with Stamp of Firm

Name of Authorized signatory