
REQUEST FOR PROPOSALS FOR Solar Lift Irrigation

About BRLF:

Bharat Rural Livelihoods Foundation (BRLF) established by the Government of India as an independent society under the Ministry of Rural Development (MORD). BRLF was established to upscale civil society action in partnership with the central and state governments to ensure better implementation and outreach of government schemes and programs in collaboration with civil society organizations.

The principal objective of BRLF is to empower Rural India, improving the lives of vulnerable communities, especially the indigenous tribes, in coordination with CSOs, the Government of India, and governments of various states. BRLF aims to channelize better funds allocated by governments, banks, corporate, and other philanthropic foundations for various public programs and ensure proper grassroots implementation to generate the best results.

For more information, visit <https://www.brlf.in/>

Project Background and Context:

BRLF, in partnership with the Jharkhand state government and HDFC, is implementing the HDFC-Focussed Development Project (FDP) in four blocks of the Santhal Pargana region. The project focuses on integrated natural resource management, livelihood enhancement, and innovative climate-resilient agricultural practices. The targeted blocks include Mandro in Sahebganj district, Littipara in Pakur district, and Mahagama and Mehurma in Godda district.

Scope of Work (SoW) for Implementation of Solar Lift Irrigation:

The selected vendor will be responsible for the following:

- The work involves the installation of Solar lift Irrigation system in 4 sites as per Annexure I to IV.
- All work must be completed by the bidder/vendor in the stipulated time of 1 months.
- Collection of the list of site / village including, locations of the intake water , water discharge from BRLF authorized person.
- Deciding the location required in site after discussing with the gram panchayat/ user / farmer.
- Transportation of all materials to the village and keeping the same in safe own custody within village site. BRLF shall not be the consignee to receive the materials supplied/ delivered.
- Installation of the solar PV water Pumping systems, solar PV array and required plumbing material as per the technical specifications and standards provided in the tender and testing the same in the presence of BRLF Authorized person / gram panchayat.
- Installation of the water delivery system (piping) up to the existing out let / inlet point.
- After initial operation and testing of the pumping system handing over the same to the user defined by BRLF official.
- Collection of all documents, including geo-tagged photographs, if connected, of the installed systems and preparing the joint commissioning reports.

- Supply of the complete systems, including all necessary components, sub- components, spares, tools, tackles etc. as per technical specifications
- The solar panel shall be warranted for ten years with rated performance.
- Comprehensive Maintenance for 2 years and Performance guarantees for the rated delivery / discharge of water as per standard test condition.
- All civil structures and site clearances for setting up of the complete job are to be obtained before installation, if not provided in the work order.
- While implementing Solar pumping system in the village/ site the physical condition of the area on shades / water logging during rain should be taken into consideration.
- There should not be any damage whatsoever in the site / village due to setting up of the solar pumping system and later there should no leakage of any water connection in the village / site.
- While cabling the array care must be taken such that no loose / open cables lie anywhere related to the supply / installations.
- Adequate training has to be provided to the persons to be designated by BRLF / farmers in maintenance and upkeep of the installed system.
- The bidder must also provide a detailed operation and maintenance manual in local language specific to the installed systems.
- The details work specifications is provided in Annexure I to IV

Locations:

- 1 Site is located at Phulpahari Panchayat in Littipara block, Pakur District.
- 1 Site is located at Pindra Panchayat in Mandro block, Sahebganj District.
- 1 Site is located at Simaarkitta Ghatghandaradih Panchayat in Mahgama block, Godda District.
- 1 Site is located at Simanpur Panchayat in Mehurma block, Godda District.

The contractor must inspect and confirm site conditions before starting the construction work.

General Terms & Conditions:

- The Bidder shall bear all costs associated with the preparation and submission of the RFQ.
- The bidder may visit the location to examine the soil condition, topography before bidding this RFQ.
- All documents relating to the Bid shall be in the English language.
- Upon being awarded the work, the bidder must submit a security deposit equivalent to 10% of the total order value. This security deposit will be without interest and will be reimbursed 180 days after the completion date.
- Liquidated Damages (LD): Standard LD for delay in completion shall be applicable @1% of order value for per week of delay subject to a maximum of 10% of the Order Value from 1 month after the specified date of completion.
- The financial proposal to be submitted in the format specified in Annexure I to IV.

Timeline

Date of Publication	4 February 2025
Last Date of Submission of RFQ	16 February 2026
Issuance of the Purchase Order	17 February 2026
Security Deposit to be received from selected vendor	19 February 2026
Start Date of the Work	20 February 2026
Date of Completion of the Work	25 March 2026

Support by BRLF:

- BRLF will support in identification of location where the Solar lift Irrigation system will be installed.
- BRLF will help in identifying the beneficiaries and community mobilisation for completing the work.
- If required, BRLF will provide technical inputs.

Submission of RFQ:

- The RFQ must be submitted in two parts:
 - Technical Proposal
 - Financial Proposal (as per Annexure I to IV)
- Submit proposals with all the technical documents and detailed cost breakdowns as per Annexure I to IV and include a total cost summary for Annexure I to IV after presenting individual cost details.

Pricing:

- The interested agencies would submit the financial bid only in the format annexed as Annex I to IV.
- Proposals should reflect cost for each component as specified in Annexure I to IV.
- Payments will be made based on measurement and verification of completed work.
- Final payment will be released after inspection and approval by the project team.
- BRLF reserves the right to define the payment schedule after selection of the agency.

The Estimated Cost of 1 Solar Lift Irrigation will be Rs. 8,50,000 (Inclusive of all taxes and Charges)

Evaluation Criteria & Process Expectations:

Proposals that meet the mandatory requirements, as stated above, will be evaluated with the following criteria:

#	Evaluation Parameters	Total Score
A. TECHNICAL PROPOSAL		
1	Suitability of the Proposal – The contractor/vendor must have valid licence from Central/State Govt. Authorities for civil and construction works to carry out Watershed management structures.	25
2	Prior Experience – The contractor/vendor must have minimum of 5 years of experiences to complete similar type of work.	15
3	Location & Demography – The contractor/vendor must have footprint and prior work experience in similar type of work in Jharkhand. Preference would be given to the vendor having work exposure in the Santhal Pargana Region.	15
4	Ability to work in Tribal & Remote Blocks – Overall ability of the contractor to successfully complete the construction work maintaining good relationship with tribal villagers.	15
B. FINANCIAL PROPOSAL		
5	Value and Cost – The best value for money, including the highest quality services in response to the requirements, is within the desired timeline at a competitive rate and budget.	30

An Evaluation Committee would evaluate the technical and financial proposals. The total score assigned for the technical proposal is 70, and for the financial proposal is 30. BRLF reserves the right to call the shortlisted or selected agency or agencies for any queries if required.

The Agency with the highest score on the combined technical and financial bid would be selected for the award of the contract.

Shortlisted vendor or vendors at the technical proposal stage may be invited to present before the Evaluation Committee. Please note that only the shortlisted agency or agencies will be contacted.

Please submit the following documents with your technical proposal:

- (i) Profile of individual/ firm.
- (ii) Copy of valid licences obtained from Central/State Govt Authorities to carry out civil works.
- (iii) PAN Card, GST Registration, and Income Tax Return for the last three years.
- (iv) Purchase Order/Work Order of similar assignments undertaken in the past five years.
- (v) Financial Quote as per Annexure I to IV.

Instruction for Proposal Submission

Kindly submit the Technical and Financial proposals in individually sealed envelopes duly mentioned on the envelope, placed within a larger envelope superscribed with “*Implementation of Solar based lift Irrigation system in Santhal Pargana Region, Jharkhand*”.

Deliver these envelopes by hand, via courier or speed post to the mentioned below addresses:

Bharat Rural Livelihoods Foundation

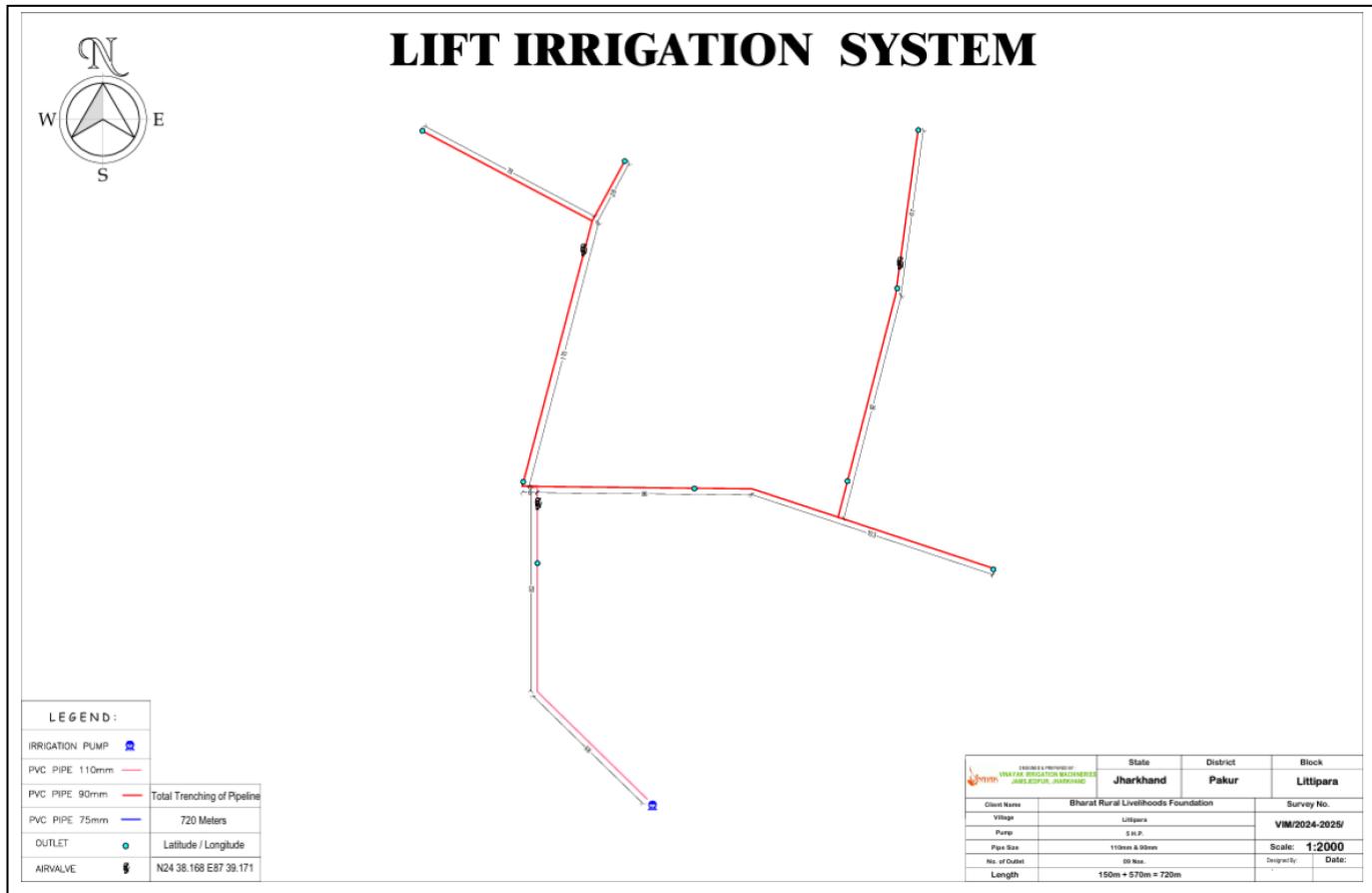
C-32, 2nd Floor, Neeti Bagh, New Delhi- 110049, Contact number: 011-46061935

You can also submit your technical and financial proposals via email at procurement@brlf.in.

Proposals must be received by BRLF either by email, hand delivery, courier, or speed post by February 15, 2025.

Any proposal received after the deadline will not be considered.

Annexure I
Design of Littipara Block Solar Lift Irrigation Site



Annexure I
Block: Littipara
Section A

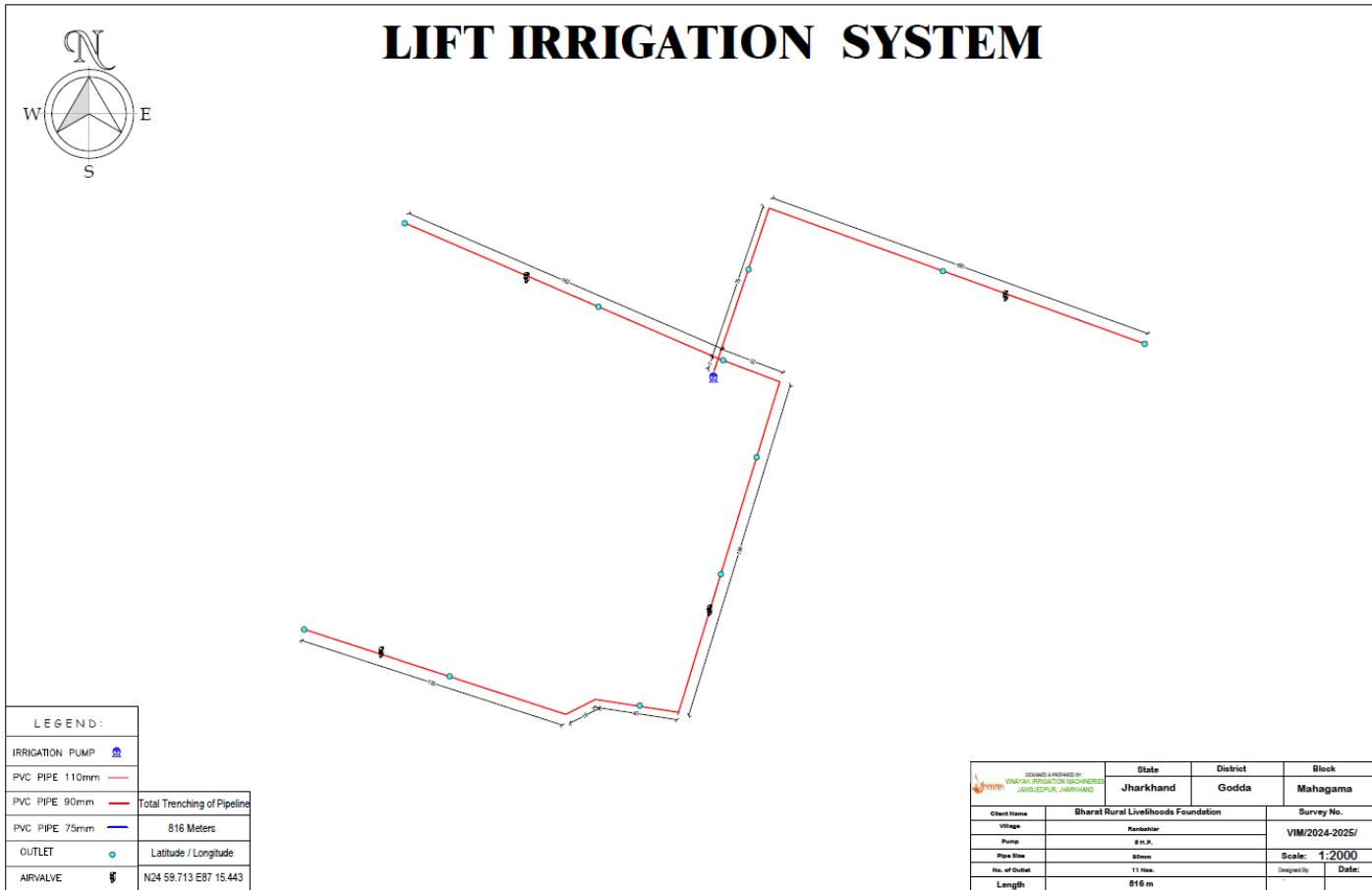
Sr. No.	Particulars	Make	Unit	Qty.	Rate(Rs.)	Amount (Rs.)
1	PVC Pipes 110 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	150		
2	PVC Pipes 90 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	570		
3	PVC Pipes 63 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	9		
4	PVC Non-Return Valve 3"	JAIN	Nos.	1		
5	Solvent Cement	FINOLEX/JAIN	Nos.	6		
6	PVC Elbow 110mm	FINOLEX/JAIN	Nos.	1		
7	PVC Elbow 90mm	FINOLEX/JAIN	Nos.	6		
8	PVC Tee 110mm	FINOLEX/JAIN	Nos.	2		
9	PVC Tee 90mm	FINOLEX/JAIN	Nos.	7		
10	PVC Tee 63mm	FINOLEX/JAIN	Nos.	9		
11	PVC Reducer 110mm x 90mm	FINOLEX/JAIN	Nos.	3		
12	PVC Reducer 110mm x 63mm	FINOLEX/JAIN	Nos.	1		
13	PVC Reducer 90mm x 63mm	FINOLEX/JAIN	Nos.	8		
14	PVC MTA 90mm	FINOLEX/JAIN	Nos.	1		
15	PVC Control Valve 63mm (2")	JAIN	Nos.	18		
16	NRV Pump Attachment	GOOD QUALITY	Nos.	1		
17	Air Release Valve 1"	JAIN	Nos.	3		
18	PVC Service Saddle 110mm x 1"	FINOLEX/JAIN	Nos.	1		
19	PVC Service Saddle 90mm x 1"	FINOLEX/JAIN	Nos.	2		
20	PVC MTA 32mm	FINOLEX/JAIN	Nos.	3		
21	PVC FTA 32mm	FINOLEX/JAIN	Nos.	3		
22	PVC Pipe 32mm	FINOLEX/JAIN	Mtrs.	3		
23	Installation Charges		lumsum			
24	Trenching & Backfilling of Pipe Line		lumsum			
25	2 Years maintenance cost		lumsum			
	Total					0.00
	GST @ 18%					0.00
	GRAND TOTAL					0.00

Section B

Sl. No.	Particulars	Unit	Amount including GST
1	Supply and Installation of 5 H.P. Submersible Pump	1 Set	
	Head: 30m / Discharge: 150000 LPD (Approx.)		
	Monocrystalline Panel 540wp- 10 Nos. (Vikram or Equivalent)		
	Solar Pump with VFD (Shakti / Lubi or Equivalent)		
	GI Fixed Structure, Lighting Arrestor – 1 No., Earthing for VFD & Structure – 1 No., Fencing 6 feet		

Littipara TOTAL PROJECT COST including GST (A+B)
0.00
The Estimated Cost of 1 Solar Lift Irrigation will be Rs. 8,50,000 (Inclusive of all taxes and Charges)

Annexure II
Design of Mahagama Block Solar Lift Irrigation Site



Annexure II
Block: Mahagama
Section A

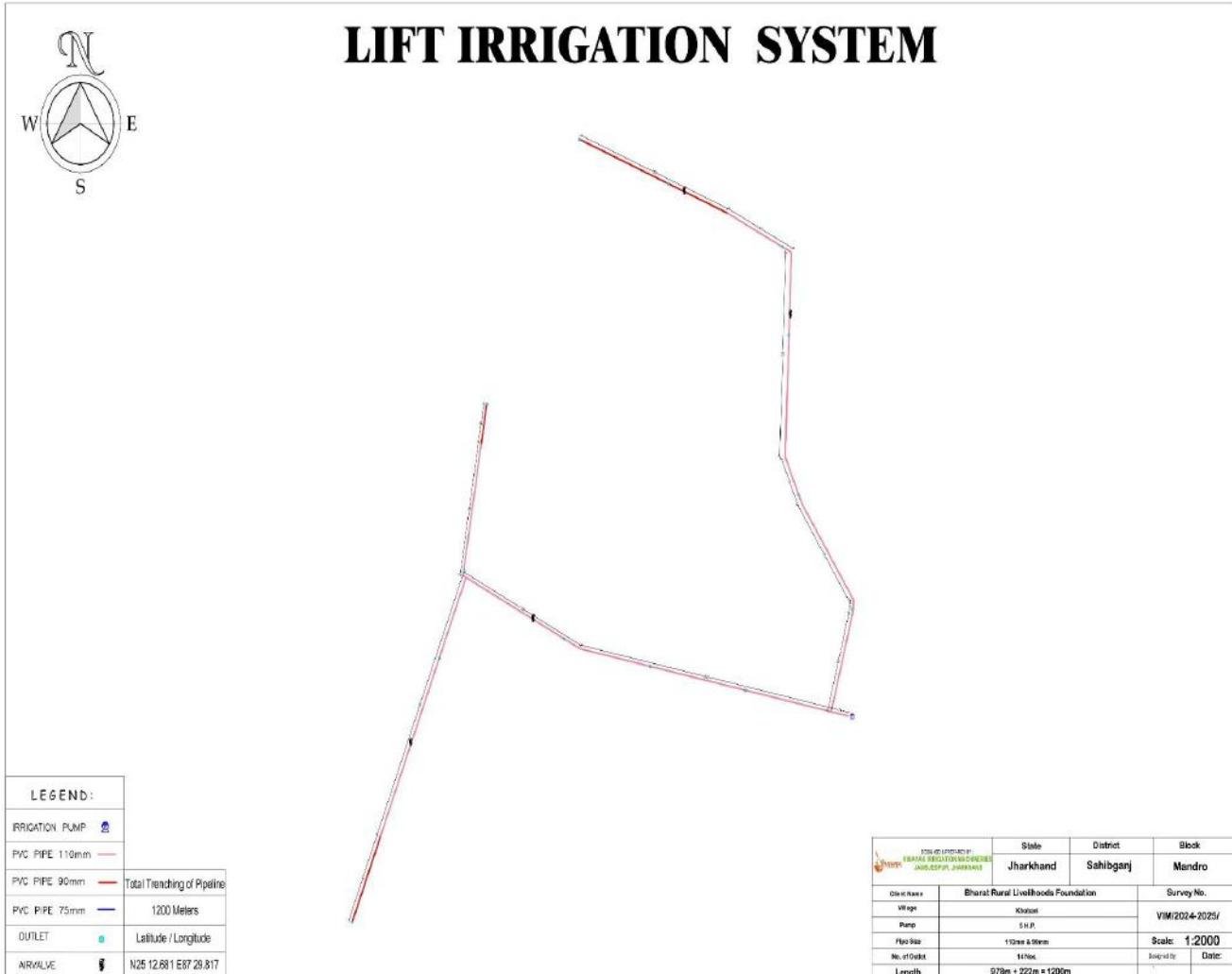
Sr. No.	Particulars	Make	Unit	Qty.	Rate(Rs.)	Amount (Rs.)
1	PVC Pipes 90 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	816		
2	PVC Pipes 63 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	10		
3	PVC Non-Return Valve 3"	JAIN	Nos.	1		
4	Solvent Cement	FINOLEX/JAIN	Nos.	8		
5	PVC Elbow 90mm	FINOLEX/JAIN	Nos.	10		
6	PVC Tee 90mm	FINOLEX/JAIN	Nos.	12		
7	PVC Tee 63mm	FINOLEX/JAIN	Nos.	11		
8	PVC Reducer 90mm x 63mm	FINOLEX/JAIN	Nos.	11		
9	PVC MTA 90mm	FINOLEX/JAIN	Nos.	1		
10	PVC Control Valve 63mm (2")	JAIN	Nos.	22		
11	PVC Control Valve 90mm (3")	JAIN	Nos.	3		
12	NRV Pump Attachment	GOOD QUALITY	Nos.	1		
13	Air Release Valve 1"	JAIN	Nos.	4		
14	PVC Service Saddle 90mm x 1"	FINOLEX/JAIN	Nos.	4		
15	PVC MTA 32mm	FINOLEX/JAIN	Nos.	4		
16	PVC FTA 32mm	FINOLEX/JAIN	Nos.	4		
17	PVC Pipe 32mm	FINOLEX/JAIN	Mtrs.	4		
18	Installation Charges		lumsum			
19	Trenching & Backfilling of Pipe Line		lumsum			
20	2 Years maintenance cost		lumsum			
	Total					
	GST @ 18%					
	GRAND TOTAL					

Section B

Sl. No.	Particulars	Unit	Amount including GST
1	Supply and Installation of 5 H.P. Submersible Pump Head: 30m / Discharge: 150000 LPD (Approx.) Monocrystalline Panel 540wp- 10 Nos. (Vikram or Equivalent) Solar Pump with VFD (Shakti / Lubi or Equivalent) GI Fixed Structure, Lighting Arrestor – 1 No., Earthing for VFD & Structure – 1 No., Fencing 6 feet	1 Set	

Mahagama TOTAL PROJECT COST including GST (A+B)
0.00
The Estimated Cost of 1 Solar Lift Irrigation will be Rs. 8,50,000 (Inclusive of all taxes and Charges)

Annexure III
Design of Mandro Block Solar Lift Irrigation Site



Annexure III
Block: Mandro
SECTION A

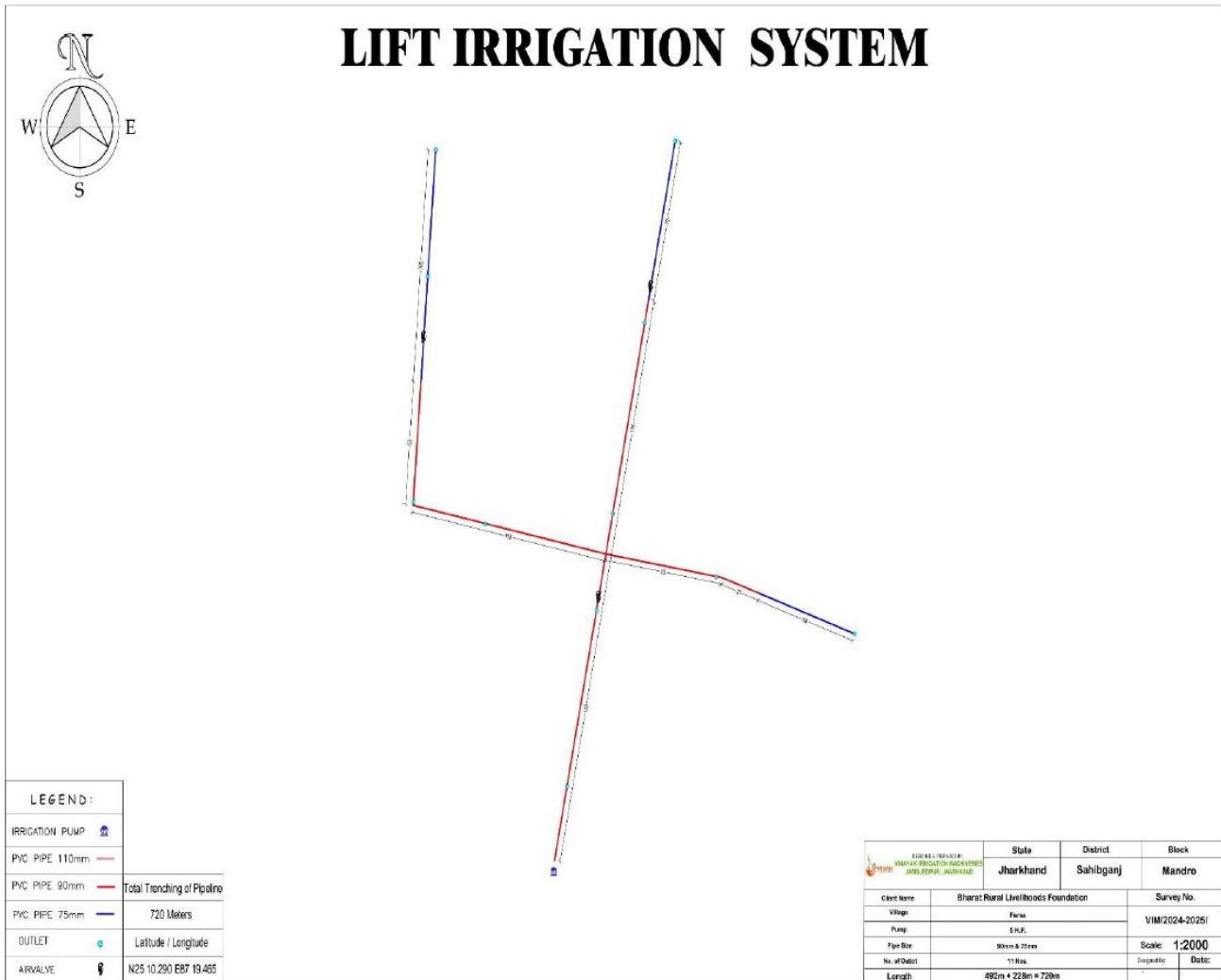
Sr. No.	Particulars	Make	Unit	Qty.	Rate(Rs.)	Amount (Rs.)
1	PVC Pipes 110 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	978		
2	PVC Pipes 90 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	216		
3	PVC Pipes 63 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	12		
4	PVC Non-Return Valve 3"	JAIN	Nos.	1		
5	Solvent Cement	FINOLEX/JAIN	Nos.	10		
6	PVC Elbow 110mm	FINOLEX/JAIN	Nos.	4		
7	PVC Elbow 90mm	FINOLEX/JAIN	Nos.	4		
8	PVC Tee 110mm	FINOLEX/JAIN	Nos.	13		
9	PVC Tee 90mm	FINOLEX/JAIN	Nos.	2		
10	PVC Tee 63mm	FINOLEX/JAIN	Nos.	14		
11	PVC Reducer 110mm x 90mm	FINOLEX/JAIN	Nos.	4		
12	PVC Reducer 110mm x 63mm	FINOLEX/JAIN	Nos.	10		
13	PVC Reducer 90mm x 63mm	FINOLEX/JAIN	Nos.	4		
14	PVC MTA 90mm	FINOLEX/JAIN	Nos.	1		
15	PVC Control Valve 63mm (2")	JAIN	Nos.	28		
16	NRV Pump Attachment	GOOD QUALITY	Nos.	1		
17	Air Release Valve 1"	JAIN	Nos.	4		
18	PVC Service Saddle 110mm x 1"	FINOLEX/JAIN	Nos.	3		
19	PVC Service Saddle 90mm x 1"	FINOLEX/JAIN	Nos.	1		
20	PVC MTA 32mm	FINOLEX/JAIN	Nos.	4		
21	PVC FTA 32mm	FINOLEX/JAIN	Nos.	4		
22	PVC Pipe 32mm	FINOLEX/JAIN	Mtrs.	4		
23	Installation Charges		Lum sum			
24	Trenching & Backfilling of Pipe Line		Lum sum			
25	2 years maintenance cost		Lum sum			
	Total					0.00
	GST @ 18%					0.00
	GRAND TOTAL					0.00

SECTION B

Sl. No.	Particulars	Unit	Amount including GST
1	Supply and Installation of 5 H.P. Submersible Pump	1 Set	
	Head: 30m / Discharge: 150000 LPD (Approx.)		
	Monocrystalline Panel 540wp- 10 Nos. (Vikram or Equivalent)		
	Solar Pump with VFD (Shakti / Lubi or Equivalent)		
	GI Fixed Structure, Lighting Arrestor – 1 No., Earthing for VFD & Structure – 1 No., Fencing 6 feet		

Mandro TOTAL PROJECT COST including GST (A+B)
0.00
The Estimated Cost of 1 Solar Lift Irrigation will be Rs. 8,50,000 (Inclusive of all taxes and Charges)

Annexure IV
Design of Meharma Block Solar Lift Irrigation Site



Annexure IV
Block: Meharma
SECTION A

Sr. No.	Particulars	Make	Unit	Qty.	Rate(Rs.)	Amount (Rs.)
1	PVC Pipes 90 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	492		
2	PVC Pipes 75 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	228		
3	PVC Pipes 63 mm x 4 Kg/cm2	FINOLEX/JAIN	Mtrs.	10		
4	PVC Non-Return Valve 3"	JAIN	Nos.	1		
5	Solvent Cement	FINOLEX/JAIN	Nos.	5		
6	PVC Elbow 90mm	FINOLEX/JAIN	Nos.	2		
7	PVC Elbow 75mm	FINOLEX/JAIN	Nos.	4		
8	PVC Tee 90mm	FINOLEX/JAIN	Nos.	10		
9	PVC Tee 75mm	FINOLEX/JAIN	Nos.	2		
10	PVC Tee 63mm	FINOLEX/JAIN	Nos.	11		
11	PVC Reducer 90mm x 75mm	FINOLEX/JAIN	Nos.	3		
12	PVC Reducer 90mm x 63mm	FINOLEX/JAIN	Nos.	7		
13	PVC Reducer 75mm x 63mm	FINOLEX/JAIN	Nos.	4		
14	PVC MTA 90mm	FINOLEX/JAIN	Nos.	1		
15	PVC Control Valve 63mm (2")	JAIN	Nos.	22		
16	NRV Pump Attachment	GOOD QUALITY	Nos.	1		
17	Air Release Valve 1"	JAIN	Nos.	3		
18	PVC Service Saddle 90mm x 1"	FINOLEX/JAIN	Nos.	2		
19	PVC Service Saddle 75mm x 1"	FINOLEX/JAIN	Nos.	1		
20	PVC MTA 32mm	FINOLEX/JAIN	Nos.	3		
21	PVC FTA 32mm	FINOLEX/JAIN	Nos.	3		
22	PVC Pipe 32mm	FINOLEX/JAIN	Mtrs.	3		
23	Installation Charges		lumsum			
24	Trenching & Backfilling of Pipe Line		lumsum			
25	2 Years maintenance cost		lumsum			
					Total	0.00
					GST @ 18%	0.00
					GRAND TOTAL	0.00

SECTION B

Sl. No.	Particulars	Unit	Amount
1	Supply and Installation of 5 H.P. Submersible Pump	1 Set	
	Head: 30m / Discharge: 150000 LPD (Approx.)		
	Monocrystalline Panel 540wp- 10 Nos. (Vikram or Equivalent)		
	Solar Pump with VFD (Shakti / Lubi or Equivalent)		
	GI Fixed Structure, Lighting Arrestor – 1 No., Earthing for VFD & Structure – 1 No., Fencing 6 feet		

	Meharma TOTAL PROJECT COST including GST (A+B)	0.00
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The Estimated Cost of 1 Solar Lift Irrigation will be Rs. 8,50,000 (Inclusive of all taxes and Charges)

**All prices to be quoted above should be inclusive of all taxes and any other charges that may be levied*

