



BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT

North Region/State Office: Uttar Pradesh

27A, A.C. Banerjee Road, Tagore Town (LIC Colony), Prayagraj 211002

Uttar Pradesh Phone No. 0532-3500117/3500118

Email: bisld.up@baif.org.in, Webpage: <https://www.baif.org.in/bisld>

CIN: U73200PN2012NPL142984

Date: 08/09/2026

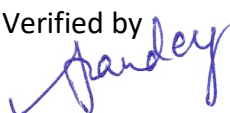
Invitation for Tender Document

To

You are invited to inform us of the above subject or the proposed work.

Name of Project	Water-centric Development for Sustainable Agriculture_HDBFS (Hamirpur)
Place of Work	08 Villages, 01 Block: Maudaha, Dist.: Hamirpur
Description of Work	7.5HP Solar Lift Irrigation Systems, Total - 05
Work Details (Minimum)	Installation of Solar Lift Irrigation Systems with necessary items for Total 08 Villages
Specification of items	Attached details given below: Pages 5, 6, 7 and 8

Please ***note the tender should be submitted by E-mail as a single attached file***. It is also mandatory to include the name of the work and your Mobile No. on the tender document. Otherwise, your tender will not be considered for bidding. It is imperative to physically visit the site before filling out the tender to accurately assess the estimates.

Verified by


Abhishek Pandey
(State Head)



Surendra Verdia
(Regional Director)

LETTER OF OFFER

To

BISLD, Uttar Pradesh

Sir/Madam,

As per the subject mentioned above, I, _____, am willing to undertake the said work as per the rates mentioned below:

Description of Work	7.5 HP Solar Irrigation Pump
Amount of Work (Maximum)	
Rate of Vendor	As per rate: -..... Below (%): -.....
Date of work completion	

Address of Contractor

Signature of Contractor



Tender Document for

**Complete Installation of 7.5 HP Solar Lift Irrigation System (05 Units) in 08 Villages of
Moudaha block, Hamirpur, Uttar Pradesh, 210507**

**BAIF Institute for Sustainable Livelihoods and Development
27 A, LIC Road, Tagore Town, Prayagraj, Uttar Pradesh 211002
Phone: 8114019844**

NOTICE INVITING TENDER

The duly sealed & signed Tender is invited in a sealed envelope till 17.09.2026 up to 5.30 pm at our State Head Office – BAIF Bhawan, 27-A Tagore Town, Prayagraj, Uttar Pradesh, 211002. Each page of the tender document must be sealed and signed. Your signature on the Tender document will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents. Along with the tender document, the DD of the earnest money must also be submitted. Tender will not be accepted without the earnest money. The tender will not be accepted after the time for submission of the tender as mentioned above is over. Before submitting a tender, the tenderer shall also inspect the site of the work and acquaint himself or herself with the local conditions, means of access to the site of work, nature of work and all other matters pertaining thereto. The tenderer will be deemed to have satisfied himself or herself by actual inspection of the site and locality of the works.

Tender Details

Date of issue of tender	08.09.2026
Last date and time for submission of Tender Documents	17.09.2026 till 5.30 pm
Earnest money	2% of Tender Value
Tender No.	
<i>Note: Tender form is given at the end of this document. Please use it for quoting your rate & cost, along with DD of the Earnest money.</i>	

1. The tender document can be downloaded from the official website: <https://baif.org.in/tenders/>
2. The sealed tender document duly filled in with the name of the work and the name of the tenderer written on the envelope will be submitted to BAIF Institute for Sustainable Livelihoods and Development, Prayagraj, Uttar Pradesh till 14th September 2026 by hand/Registered Post/Courier/E-mail with a password protected PDF file sent to procurement.up@baif.org.in.

Contact Persons:

Satyajeet Ranjan and Pawan Kumar Barsainya / Ratnesh Kumar

Mobile No. 7667071895, 8770474364 / 7509165130

Name of work: Supply of complete installation of 7.5 HP Solar Lift Irrigation System (05 Units)
Complete work (Material + Labour) - Installation, Civil work, earthing with all the accessories and transportation, etc.

Brief Description of Work	Qty. (No.)	Place of Work	Date of Project Completion
Supply, Installation, Testing and Commissioning of a Complete 7.5 HP Solar Lift Irrigation System, comprising of 12 in No. 585 Wp TopCon bifacial solar PV modules, hot-dip galvanised module mounting structure with M-20 civil foundations, 7.5 HP DC solar submersible pump (10 LPS at 60 m head), solar pump controller, DC/submersible cables, earthing and lightning protection system, bore pipe and necessary accessories. The scope also includes a complete 1-acre sprinkler irrigation system with HDPE pipes, risers, impact sprinklers, valves and fittings, solar panel cleaning sprinkler system, soil moisture meter, signage board, GI chain-link protective fencing with gate, and recharge pit. The work shall include complete system integration, installation, testing and commissioning, along with 5-year AMC and 3-year insurance, including all required civil, electrical, mechanical and miscellaneous works as per site conditions and technical specifications.	05	In 08 villages, HDBFS project villages in Moudaha block of Hamirpur District, Uttar Pradesh.	The work must be completed within 30 days from the date of the Work Order.

Annexure A : Solar Lift Irrigation System (Solar Panel, Pump, etc)

Sr. No.	Technical Specifications	Unit	Qty.	HSN code	Rate in Rs. (Including GST)	Total Amount (Rs.)
1	7.5 HP Solar PV Modules (Topcon bifacial) - 585 Wp, 12 in No., Type - HI Tech, Make (Luminous/Panasonic/ Vikram) with 25 Year Warranty.	Wp	7020			
2	Module Mounting Structure with civil work as per sire requirement - Hot Dip Galvanized and No. of solar panels to be installed	kg	170			
3	Solar Pump Controller-7.5 HP-DC, With 5 Year Warranty (Shakti, Crompton, Amrut, Rotomag)	No.	1			
4	7.5 HP DC Submersible pump with motor, 10 LPS for 60 M Head (Amrut/Shakti/Roto MAG) backed by a 5-year warranty	No	1			
5	Cable, PVC Insulated, UV Protection, Multi stand, 1Cx4Sq mm, 1.8kvDC (Red colour) conductor - tinned Cu Class5 of En/ICE/60228/IS8130	Meter	15			
6	SUB Cable copper, 1 m (Flat cable copper 4 sq. mm 3 core, Polycab) for Solar DC pump	Meter	35			
7	1C 4 Sq.mm for controller-Green-1mtr	Meter	5			
8	1C4 Sq. mm for Lightening Arrestor-green-1mtr	Meter	5			
9	Earthing Kit (Earthing of LA, DC controller & Panel module) – Rod Dia 14 mm, 1 Meter Long (100 Micron copper-coated Solid earthing electrode) with 5 kg Earthing compound and GI wire - 10 metres for Structure (Zinc powder must be poured beneath for better productivity)	No.	3			
10	Lightning arrestor LA: 5 spikes with 80 mm Length with 8 mm Dia., 20 mm Dia. HDG Iron Spike: 05 Spike, Height of pipe: 5m, thickness of pipe: 1 mm, Base Plate: 80 mm Dia. with 6mm thickness	No.	1			
11	Bore Pipe Cover, Dia. 8 Inch, PVC	No.	1			
12	Connector, MC-4(Male, Female), Ip-67, Safety Class - IEC 61140 Class-II	Pairs	4			
13	Cable Tie, UV Protected, 300mm, PVC (100 in No.)	Packet	1			
14	C-clamp, For 75mm Pipe, MS (2.5inch)	No.	1			
15	Column Pipe 75 mm (Brand name-Finolex/Aashirvad/Supreme)	Meter	30			
16	Submersible pump safety rope - Nylon 12 mm rope	Meter	35			

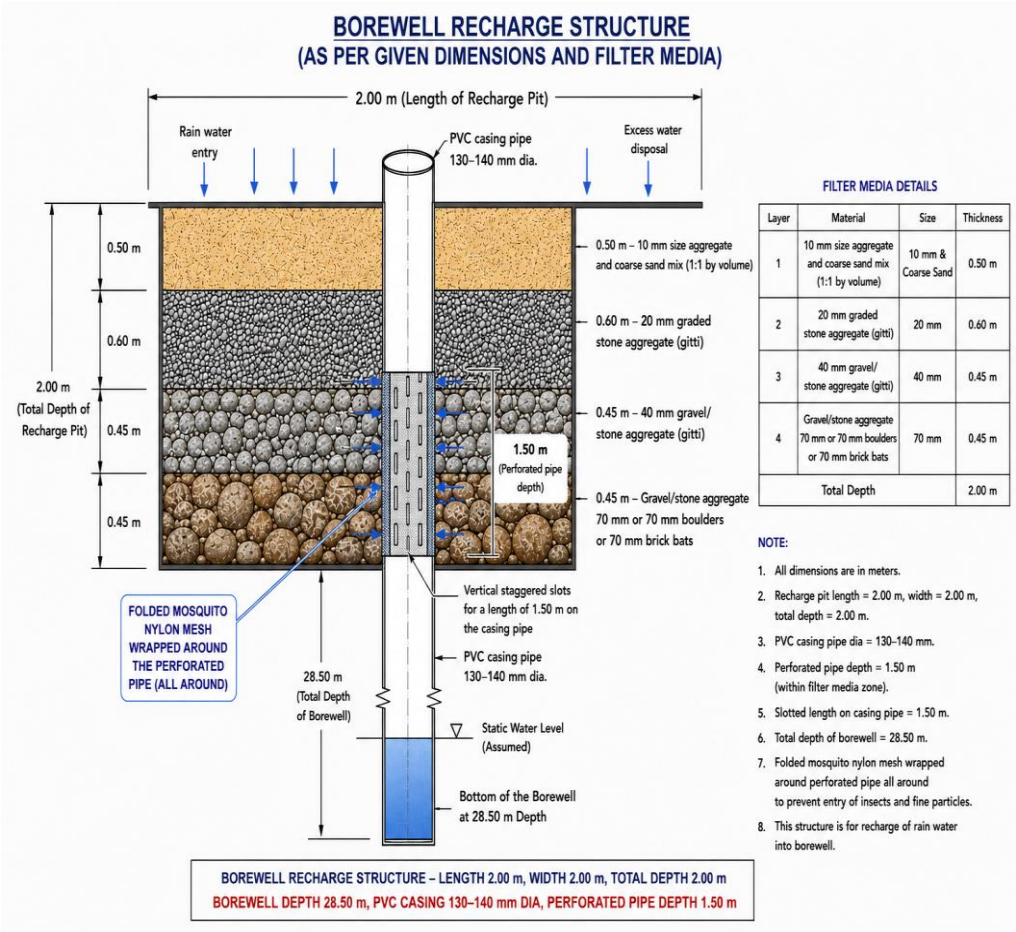
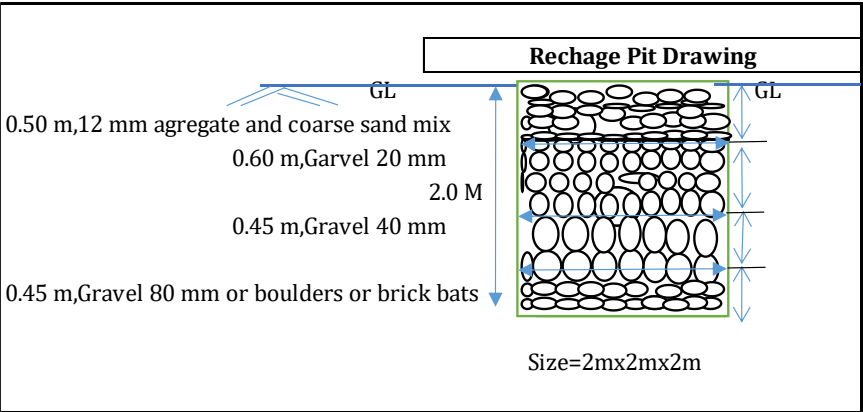
17	System testing, integration, installation and commissioning of system for 03 years	No.	1			
18	Signage board with iron sheet and stand (Dimension: 3 ft x 4 ft, Angle 40 x 40 x 6 mm & Iron sheet - 18 Gauge, 2ft underground footing, 3.5 ft above ground approx. weight 40 kg) including painting and writing on both sides with installation.	Nos	1			
19	Hi tech Automatic Solar Panel Cleaning Sprinkler Shower System using superior quality Finolex CPVC pipes and micro sprinklers	Set	1			
20	Sprinkler Set for 01-Acre land					
21	Sprinkler Nozzle - 3/4" Brass Impact Sprinkler Full Circle(Jain/Netafim/Finolex or equivalent ISI Mark)	Nos.	8			
22	Riser pipe - Jain Irrigation 3/4"x1m GI Riser Pipe or Equivalent heavy-duty GI riser	Nos.	8			
23	HDPE sprinkler Pipe 75 mm, 6m, PN-6, 2.5/3.2 kg/cm ² pressure (Jain/Netafim/Finolex or equivalent ISI Mark)	RM	96			
24	Service Saddle 75 × 20 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	8			
25	HDPE End Cap 75 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	2			
26	HDPE Tee 75 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	2			
27	HDPE Elbow (90°) 75 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	2			
28	HDPE Reducer 75 × 63 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	2			
29	Ball Valve 75 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	1			
30	Foot Valve with Strainer 75 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	1			
31	Air Release Valve 25 mm (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	1			
32	PTFE Tape, Clamps & Miscellaneous Fittings for 01 acre (Jain/Netafim/Finolex or equivalent ISI Mark)	No.	1			
33	Soil Moisture Meter Soil Tester Kit (Brand - Dr.meter/Zomei/Luster Leaf 1818 Rapidest Mini 4-in-1)	Set	1			
34	AMC- 5 Years (every 6 months or whenever there is a problem) as per panel wp	Set	1			
35	Complete insurance of Solar Lift irrigation Scheme with 3 years	Set	1			

36	Providing and erecting GI chain-link fencing of 1.2 m (4 ft) height using GI chain-link mesh of 50 × 50 mm, fixed on M.S. angle posts (40 × 40 × 6 mm) at approximately 2.0 m c/c, including excavation of pits, embedding posts in cement concrete (1:4:8) blocks of suitable size, necessary welding, nuts & bolts, and two coats of oil painting, including one M.S. framed GI chain-link gate of suitable size for entry, complete as per site requirement. (i). The size of column for both solar module stands, L shaped MS pillars and signage board stand will be 9"x 9" and depth must be 1.50 ft & above GL 01 ft with a M-20 concrete mix. (ii) MS Strip must be installed up to half of the fencing horizontally for making the fencing stiff, and stable and upper & lower MS strips to be installed. (iii) MS Strip also should be given vertically in between the two L shaped columns for the stability of the entire structure. (iv) The fencing chain link must be of 12 gauge with gap of 2" x 2" of wire mesh. (v) Full structure will be properly welded and coloured and MS strip must be at the bottom and top of the wire mesh. and two coats of oil painting, including one M.S. framed GI chain-link gate of suitable size for entry, complete as per site requirement.	30	Rmt			
37	Providing and fixing gate with angle iron frame 40mm x 40mm x 6mm with iron bars and diagonal flats, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kg/Smt. Size of gate would be (LxH, 1x1.2m)	1	Rmt			
38	Transportation	1				
39	Water meter DN80 mm(Kranti/Everest/Belento) with necessary items	1				
40	Estimate of recharge Pit for Bore well recharge (Annexure: 2 Recharge Pit for Borewell recharge section of one unit)					
Total Cost of Solar lift irrigation system, Sprinkler Set and recharge pit etc. including GST (01 unit)						
Total Cost of Solar lift irrigation system, Sprinkler Set and recharge pit etc. including GST (05 units)						

Annexure: 2 Recharge Pit for Borewell recharge

Estimate of recharge Pit for Bore well recharge									
SN	Particulars of item	No.	Length (m)	Width (m)	Height/Depth (m)	Qty.	Unit	Rate with GST	Amount
	Recharge pit (Size - 2 m x2 m x 2 m) for contributing in ground water through collecting of roof runoff								
1.0	Earth Work excavation of Recharge pit Nearby bore well	1	2.00	2.00	2.00	8.00	Cum		
2.0	Collection, stacking & and laying of filter media Up to ground level filling of Recharge pit								
2.1	10 mm size aggregate and coarse sand mix (1:1 by volume)	1	2.00	2.00	0.50	2.00	Cum		
2.2	20 mm graded stone aggregate (gitti)	1	2.00	2.00	0.60	2.40	Cum		
2.3	40 mm gravel/stone aggregate (gitti)	1	2.00	2.00	0.45	1.80	Cum		
2.4	Gravel/stone aggregate 70 mm or 70 mm boulders or 70 mm brick bats	1	2.00	2.00	0.45	1.80	Cum		
2.5	Labour for filling	4				4.00	Man/days		
Total Estimated Cost for one unit of Recharge Pit including GST									

Drawing of Recharge pit



Note-Sample Drawing for reference-kindly consider as per bore well depth

Term & conditions:

1. The vendor must have a valid registration, GST registration, and PAN. Duly signed copies of each document shall be submitted along with the tender.
2. Earnest Money equivalent to 2% of the tender value shall be submitted along with the tender through a Demand Draft (DD) in favour of **“BAIF Institute for Sustainable Livelihoods and Development, U.P.”**, payable at Prayagraj. Tenders submitted without the required Earnest Money shall not be accepted. The Earnest Money of unsuccessful tenderers shall be returned within a reasonable period.
3. No advance payment shall be made under any circumstances.
4. An amount equivalent to 5% of the bill amount, including the Earnest Money, shall be retained as Security Money for a period of 36 months against the maintenance of the solar pump unit.
5. The retained Security Money shall be refunded after completion of the 36-month maintenance period, without any interest.
6. The Defect Liability and Maintenance Period shall be 36 months for each solar pump unit, commencing from the date of satisfactory completion of the work. If any defect is identified during this period, the vendor shall immediately rectify the defect free of cost. The vendor shall not claim any additional amount for repair, rectification, or maintenance work during the 36-month period.
7. The vendor must have their insurance for solar pump system setup (include all) in 3 years.
8. Penalty for delay in completion of work: The organisation may impose penalties for delay in completion of work except in case of natural calamities and law and order situation. The penalty amount shall be Rs. 500 per day. The tenderer must agree to bear the penalty amount for the delay in the completion of work.
9. The rates offered by the Bidder/ Tenderer will be inclusive of all Taxes, License fees, Royalty, Octroi, Labour, Construction Materials, all Tools and Plants, Water, and Power required for satisfactory completion of the work.
10. Any mishap, injury or damage occurring at the site, will be the responsibility of the vendor.
11. Mention clearly that the rates are inclusive or exclusive of GST and mention the GST rate in %.
12. All payments will be made only after satisfactory completion of the work.
13. The authority for the acceptance of the tender will rest with the organisation. It shall not be obligatory on the said authority to accept the lowest tender or any other tender and no tenderer (s) shall demand any explanation for the cause of rejection of his/their tender nor will the organisation undertake to assign reasons for declining to consider or reject any particular tender or tenders.
14. The competent authority of the organisation for the acceptance of the tender reserves the right to divide the tender amongst more than one tenderer, if deemed necessary.
15. The payment will be made for actual quantity of work, but not more than the quantity of work of a solar pump as mentioned in the work order.
16. The final payment shall be made after satisfactory completion of work on production of tax invoice with warranty card.

17. All works will be paid on the basis of actual measurements taken at site by our Engineer after satisfactory work completion.
18. All work should be executed as per the design and drawings, ensuring quality under the supervision of the engineer and without compromising on the quality and design of the overall structure.
19. Quantity Variation: The quantities mentioned in the tender are indicative. During field execution, quantities may increase or decrease as per actual site requirements in case of civil work/fencing work/electrical little items like Cables, wires, PVC pipe, HDPE pipes & its accessories, etc. The vendor must execute the work as per the instructions of the field engineer, and payments will be made proportionately based on actual executed quantities.
20. Mention the Warranty, insurance & AMC and Maintenance period of major items like Solar Panel, Pump, Controller etc.
21. All items supplied must strictly conform to the specified technical specifications and will be inspected and verified by the Field Engineer before acceptance.
22. The Vendor shall ensure that the system achieves the specified discharge and performance parameters under standard operating conditions. Performance testing shall be carried out in the presence of the Field Engineer before final acceptance.
23. Any defective material, component, or equipment observed during the warranty period shall be repaired or replaced by the Vendor at no additional cost to the organisation within the stipulated time.
24. The Vendor shall submit all relevant documents, including technical datasheets, warranty certificates, insurance details, AMC terms, operation and maintenance manuals, Panel test certificates including panel serial number wise, and commissioning reports before release of the final payment.
25. The Vendor shall be responsible for the safety of materials and equipment during transportation, installation, and commissioning until formal handover of the system.
26. The Field Engineer reserves the right to inspect, verify, reject, or seek replacement of any material not conforming to the approved specifications, quality standards, or tender requirements.
27. The Vendor shall provide after-sales service support during the warranty and AMC period and shall attend to any complaints or breakdowns within the specified response time as agreed in the contract.
28. The solar PV modules, pump, controller, and all associated components shall be from approved manufacturers and shall comply with the latest MNRE/BIS/IEC standards, wherever applicable.
29. The 7.5 HP Solar Lift irrigation System shall be supplied, installed, tested, and commissioned as a complete unit, including solar PV modules, DC solar submersible pump, controller, cables, connectors, safety devices, and all other accessories required for satisfactory operation.

Tender Form

CONTACT PERSON (FOR THE TENDERER)

Name	
Address	
GST Number	
Telephone/Contact No.	
E-mail	

ECONOMIC AND FINANCIAL CAPACITY

Financial Year	2023-24	2024-25	2025-26
Annual turnover (Rs. in Lakhs)			

EXPERIENCE

Complete the table using the format below to summarise the major relevant work carried out in the course of the past 3 years by the legal entity or entities making this tender. The number of references to be provided must not exceed 3 for the entire tender.

Sr. No.	Name and Address of Client	Detail of construction work performed	Date/Year of Construction	Contract value (Rs.)

TENDER DECLARATION

1. I/We have read and examined all the tender documents.
2. We also undertake, if required, to provide evidence of the financial and economic standing and the technical and professional capacity according to the selection criteria for this call for tender. We also understand that if we fail to provide the proof/evidence required, within 7 calendar days after receiving the notification of award, or if the information provided is proved false, the award may be considered null and void.
3. I/We shall be debarred for tendering with BISLD-UP. Also, if such a violation comes to the notice of BISLD-UP before the date of start of work, BISLD-UP shall be free to forfeit the entire amount of earnest money deposit.
4. I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of BISLD-UP.

Yours faithfully

Name and Signature of Authorised Person.....

Date & Place.....

Seal of the firm/company/entity

Quotation /Tender value

I am ready to undertake the following items of work at the rates mentioned below: **(Please provide the rates).**

S. No.	Particulars / Description	Unit	Rate with GST and HSN/SAC code (₹ per Set/No.)	Total Amount (₹)
01	The work comprises of the design, supply, transportation, installation, testing and commissioning of a complete 7.5 HP Solar Lift Irrigation System, Solar PV Modules with a minimum 25-year warranty, module mounting structure, concrete foundations as per site conditions. The system shall include a 7.5 HP DC submersible pump along with a compatible controller. The scope shall include all required cables, connectors, cable ties, clamps, column pipe, complete earthing arrangement lightning arrestor system. The work shall further include a complete sprinkler irrigation system for approximately 1 acre of agricultural land with all necessary fittings and accessories for proper operation. An automatic solar PV panel cleaning sprinkler/shower system using suitable CPVC piping and micro-sprinklers shall also be provided. The scope shall additionally cover a soil moisture meter, properly designed signage board, GI chain-link protective fencing with concrete foundations, along with a suitable recharge pit. The contractor shall be responsible for complete system integration, civil, electrical, mechanical and plumbing works, transportation, wiring, testing, trial operation and commissioning, including all minor and miscellaneous materials required for a fully functional system. The work shall also include 5-year comprehensive AMC and 3-year insurance coverage for the complete Solar Lift Irrigation System, and shall be executed strictly as per approved technical specifications, applicable standards, manufacturer recommendations and actual site requirements. Note: - For detailed information, please refer to the description sheet given on Pages 5, 6, 7 and 8.	05		

Total Amount in words: Rs _____

Any additional information.

Date:

Signature with Stamp