

**All India Institute of Local Self-Government [AIIILSG] invites tenders for  
'Enabling Access to Water & Solar Energy for Climate Resilient Agriculture  
in Shahapur Block in Thane District of Maharashtra'**

## **Invitation for Tender**

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**Name of Work: Supply, Installation, Testing & Commissioning [SITC] maintenance & repair of Solar-enabled Lift Irrigation Activity.**

**Quantity: 2**

- **Location: Shahapur Block in Thane District of Maharashtra State.**
  - At Post Kharade Village/ [Gram Panchayat]
  - At Post Chariv Village/ [Gram Panchayat]
  
- **Expected end date for work completion: 31<sup>st</sup> January 2026**
- **Last Date & Time of Submission: 27<sup>th</sup> October 2025 by 10.30 am**
- Submission can be through email or hard copy.
  - Email for submission: To: Executive Director (HR & Admin), AIIILSG, [admin@aillsg.org](mailto:admin@aillsg.org)
  - Address for sealed & stamped hard copy submission by courier / hand-delivery:
    - To: Executive Director (HR & Admin), AIIILSG, M. N.Roy Human Development Campus, Behind Teacher's Colony, Near Uttar Bhartiya Sangh College, Bandra (East), Mumbai 400051 , Maharashtra. OR
    - To: Admin, ICEQUI-T of AIIILSG, 5th Floor, Sthanikraj Bhavan , C. D. Barfiwala Marg, Juhu Galli, Andheri ( West), Mumbai- 400058, Maharashtra. OR
    - To: Programme Director, AIIILSG, Flat No. 301, A wing, Kashinath Patkar Nagar, Kalambe, Shahapur Dist: Thane -421601
  
- **Date, time & place of opening of tenders received: 27<sup>th</sup> October 2025 at 3.00 pm, AIIILSG, M. N. Roy Human Development Campus, Behind Teacher's Colony, Near Uttar Bhartiya Sangh College, Bandra (East), Mumbai 400051, Maharashtra.**
  
- **Bids/ Quotations to include:**
  - All inclusive cost/s [including the item cost, GST (CGST + SGST), Transportation & Installation, maintenance & repair service, training, etc.]
  - GST Number of vendor.
  - Warranty Period.
  - Repair and maintenance services for a period of minimum 3 years from the date of commissioning.
  - Validity of the quotation: Please note that the quotation should be valid till 31<sup>st</sup> January 2026.
  - Delivery Period.

- Advance Payment Percentage
  - Bank account number and name in which the bank account is.
  - Experience of establishing similar solar-enabled water schemes for irrigation or drinking water.
  - any other relevant point/s
  - Institute reserves the right to reject any or all tenders without assigning any reasons thereof.
- **Eligibility Criteria**
    - The vendor should have prior experience, preferably in last 3 years, of SITC of solar-enabled water schemes for irrigation or drinking water in Maharashtra state.
    - Only those quotations with detailed item wise rates and budgets and them leading to head-wise budgets will be considered. The quotations mentioning only gross budgets will not be considered.
    - The bidder should have valid GST & other relevant certificates from the relevant authorities.
    - Certificate of registration (GST, PAN).
    - The Company / Firm / Individual, any Partners of the firm should not be black listed by any PSU or Government departments/ UN or its agencies/ institutions/ private organizations in respect of any assignments or behavior of any Partner/ employee. The firm / Individual will provide an undertaking that such Partner/ employee will not be involved in the said contract, directly or indirectly.
    - The bidder should have a valid bank account. The bank account details and the bank account holder details to be mentioned & submitted.
- Please note that-
    - 5% amount will be retained by AILSG as security deposit for 1.5 months after completion of the work and will be paid after that subject to successful functioning of the work.
    - Technical specifications of all important items should be attached.

## Technical Specifications

### 1 Solar-enabled Lift Irrigation Activity in Kharade Village

Name of Work: Supply, Installation, Testing & Commissioning [SITC] maintenance & repair of Solar-enabled Lift Irrigation Activity [3 HP Solar System, 2300 M HDPE Pipe].

Location: At Post Kharade [Gram Panchayat] in Shahapur Block in Thane District of Maharashtra State

S. N.	Cost Heads	Description of Item (All Dimension in ( S.I. System) Like mm, Meter, Cum)	Unit	Quantity
1	Solar Pump – 3 HP	405 Watt Solar PV Polycrystalline Modules	No.s	12
2		3.0HP Submersible Solar Water Pump	No.s	1
3		Solar Pump Controller	No.s	1
4		Solar Module G.I.Mounting Structure	No.s	1
5		Electrical Material Accessories (Solar DC Cable, Submersible cable, Connectors, Junction Box, SPD Fuses Etc.)	Job	1
6	Pipeline and distribution system – Lift irrigation	LA and Earthing.	No.s	1
7		Excavation & Providing, Fixing and Refilling 75mm HDPE Pipe with all Accessories as per requirement. .	Rmt	2300
8		Excavation & Providing, Fixing 75mm diameter Ball Valve including necessary socket union nut complete with all Accessories and Refilling HDPE Pipe	Rmt	35
9		Water Tank ( 5000.0 Liters)	No	1
10		NRV and Accessories	Job	1
11		Providing and Fixing Tee Socket for Pipe line	No.s	35
12		Air Valve	No.s	3
13		Wire Fencing and Gate for Solar (6.5 Mt. x 6.5 Mt X 1.5 Mt Height)	Job	1
14		Providing and constructing stone masonry in UCR (1:6) mortar in foundation and plinth including scaffolding, finishing etc.	Cum	187.31
15		Head Works	Excavation in general in soft material comprising of soft soil, soft murum, sand, hard murum with boulders in wet or dry condition for Head Works i.e. Intake Well, Connecting Pipe, Jack Well, Pump House, Supply Well, etc. for lift 0 to 1.5 Mt and lead of 150 Mt including barricading, guarding, disposing of	Cum

S. N.	Cost Heads	Description of Item (All Dimension in ( S.I. System) Like mm, Meter, Cum)	Unit	Quantity
		surplus excavated stuff within a radius of 0.5 Km as directed by Engineer-in- charge, etc. Complete excavation including refilling.		
16	Installation, Testing, Commissioning & Transportation	Installation, Testing, Commissioning & Transportation – Lift irrigation	Job	
17	CNB Repairing	Repairing of Cement Bandh : Proactive wall Up stream Side, 30.0 Meter, 4.00 High , Wall Thickness: 20 Cm) With R.C.C., { Steel Bat c/c 25 cm x 25 Cm , and 10 mm Dia	Cum	28.00
18	Sub-Total (in INR)			
19	GST (% & in INR)			
20	Total Cost (in INR)			

## 2 Solar-enabled Lift Irrigation Activity in Chariv Village

Name of Work: Supply, Installation, Testing & Commissioning [SITC] maintenance & repair of Solar-enabled Lift Irrigation Activity [3 HP Solar System, 3200 M HDPE Pipe].

Location: At Post Chariv [Gram Panchayat] in Shahapur Block in Thane District of Maharashtra State

S. N.	Cost Heads	Description of Item (All Dimension in ( S.I. System) Like mm, Meter,Cum)	Unit	Quantity
1	Solar Pump – 5 HP	405 Watt Solar PV Polycrystalline Modules	No.s	15
2		5.0HP Submersible Solar Water Pump	No.s	1
3		Solar Pump Controller	No.s	1
4		Solar Module G.I.Mounting Structure	No.s	1
5		Electrical Material Accessories (Solar DC Cable, Submersible cable, Connectors, Junction Box, SPD Fuses Etc.)	Job	1
6	Pipeline and distribution system – Lift irrigation	LA and Earthing.	No.s	1
7		Excavation & Providing, Fixing and Refilling 75mm HDPE Pipe with all Accessories as per requirement. .	Rmt	3200
8		Excavation & Providing, Fixing 75mm diameter Ball Valve including necessary socket union nut complete with all Accessories and Refilling HDPE Pipe	Rmt	30
9		Water Tank ( 5000.0 Litres)	No	1
10		NRV and Accessories	Job	1
11		Providing and Fixing Tee Socket for Pipe line	No.s	30
12		Air Valve	No.s	3
13		Wire Fencing and Gate for Solar( 6.5 Mt. x 6.5 Mt. X 1.5 Mt Height	Job	1
14	Providing and constructing stone masonry in UCR (1:6) mortar in foundation and plinth including scaffolding, finishing etc.	Cum	187.88	
15	Head Works	Excavation & Refilling in general in soft material comprising of soft soil, soft murum, sand, hard murum with boulders in wet or dry condition for Head Works i.e. Intake Well, Connecting Pipe, Jack Well, Pump House, Supply Well, etc. for lift 0 to 1.5 Mt and lead of 150 Mt including barricading, guarding, disposing of surplus excavated stuff within a radius of 0.5 km as directed by Engineer-in- charge, etc. Complete excavation including	Cum	1260

S. N.	Cost Heads	Description of Item (All Dimension in ( S.I. System) Like mm, Meter,Cum)	Unit	Quantity
		refilling.		
16	Installation, Testing, Commissioning & Transportation	Installation, Testing, Commissioning & Transportation – Lift irrigation	Job	
17	Sub-Total (in INR)			
18	GST (% & in INR)			
19	Total Cost (in INR)			