

BAIF Development Research Foundation

BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik-Pune Road, Nashik 422011
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TENDER FOR QUOTATIONS FOR SOLAR LIFT IRRIGATION SCHEME

O. No. O.NO.BAIF/NASHIK/ 08/2024

Date: 15.01.2024

You are invited to submit your most competitive quotation for the following products:

Brief Description of the Product	Qty (No.)	Place of Delivery	Expected Month for Delivery of Material & Installation
<u>Solar-Lift Irrigation Scheme</u> As per Details (Annexures 1-3)	1	Village: Merawane Tal. Velhe Dist. Pune	Feb.2024

Detailed Description of the Product: - SOLAR LIFT IRRIGATION SCHEME

As above

1. Quoted Price:

- The contract shall be valid up to 28.02.2024 for the products described above.
- The bidder shall quote for goods / services in the attached format only.
- All duties, taxes, F.O.R. and other levies payable by the bidder shall be included in the goods / services and shall stand final.
- The rates quoted for each good/service shall be fixed for the duration of the contract and shall not be subject to adjustment.
- Corrections if any, shall be made by crossing out, initialing, dating and rewriting.
- The prices shall be quoted in Indian Rupees only
- The work quantity may vary.
- Estimate is subject to change in future Orders
- Bidder has to mention location (s) of work where service can be provided.

2. Each bidder must submit only one quotation. Bidder shall not contact other bidders in matters related to this Quotation

3. Validity of Quotation:

The quotation shall remain valid up to 28.02.2024

4. Evaluation of Quotation:

Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which are properly signed and conform to the terms and conditions and specifications in the following manner.

- a. The evaluation will be done exclusive of GST.
- b. The evaluation would be done for all the goods/services put together. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly. We will award the contract to the responsive bidder whose total cost for all the items put together will be the lowest.
- c. Will Compare terms & conditions and specifications

5. Award of contract:

- a. Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest price as per Para 4 (b) above.
- b. Purchaser prior to the expiry of the validity period of the quotation will notify the bidder whose quotation has been accepted for award of contract. The terms of the accepted offer shall be incorporated in the Purchase Order or Work Order.
- c. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation and to cancel the bidding process and reject all quotations any time prior to the award of the contract.

6. Payment shall be made after 15 days of delivery of goods

7. Normal commercial guarantee / warranty shall be applicable to the supplied goods and its installation.

8. Cost of Procurement Processing:

The bidder shall pay a "Tender Fee" of **Rs. - 590/- (including GST)** only through "SB Collect" system. Detailed process is enclosed as Annexure. Transaction No. and date are to be mentioned while submitting the bid/quotation.

9. Earnest Money Deposit:

EMD for this tender will be 2% of the total cost of the PO. BAIF Nashik will compare all the bids and the Purchase Committee will award a contract to L1. L1 will be informed of the selection for supply of goods/services by E-mail. L1 has to transfer the EMD amount within 2 working days and inform about the Transaction No. and date by return E-mail. After confirmation of EMD amount being deposited in BAIF Bank Account, BAIF will issue the Purchase Order/Work Order. In case of failure to pay EMD, BAIF Purchase Committee reserves the right to decide further course of action. The same will be refunded (interest free) after obtaining the work completion report of the total scope of work or guarantee/warranty period, for at least one monsoon season period whichever is applicable. The earnest money shall be liable to be forfeited, if the successful bidder, after submitting the tender rescinds from or modifies the offer after acceptance of the tender.

After acceptance of Work Order/Purchase Order and payment of EMD, if work is not completed or material is not supplied within the validity period of the Work Order/Purchase

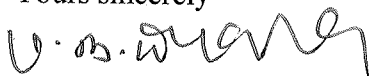
Order, the Vendor will not be eligible for refund of EMD and will also not be eligible to participate in future tender process of BAIF for a period of one year.

10. Submission of Quotations:

- Sealed Envelope mentioning "**SOLAR LIFT IRRIGATION SCHEME**" on it.
- Transaction No. and date for payment of tender fee.
- The quotation should be accompanied by a government approved/registered nursery certificate
- List of Similar Works Undertaken with details of clients etc. if any.
- **Last date for Submission is 25.01.24** latest by 5:30 pm.
- Address: **Purchase Department, BAIF Development Research Foundation, BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik Pune Road, Nashik 422011.**

We look forward to receiving your quotation.

Yours sincerely



(V.B. Dyasa)
Regional Director
BAIF

Encl.: Format of Quotation

(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

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

Terms and Conditions:

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

Signature with Stamp of Firm
Name of Authorized signatory

1. No Cash / Cheque will be accepted
2. Vendor / Bidder who wish to participate in the Tender process of BAIF Nashik has to pay the Tender Fee only through the following online process before the Tender opening meeting at BAIF Nashik
3. Purchase Dept. will inform the concerned Vendor about the selection as "L1" and then the concerned Vendor has to make an online payment of EMD and inform the Transaction No. to the Purchase Dept. Nashik.
4. Purchase Dept. will confirm receipt of amount in BAIF SBI Nashik Bank A/c from Nashik A/c Dept.
5. Purchase Dept. will issue a PO / WO to L1 Vendor.
6. Accounts Dept. will issue a receipt to all the vendors against receipt of Tender Fee and EMD
7. Vendor / Bidder **may or may not have** bank a/c with State Bank of India. In this case, online payments will be acceptable (this facility applies to both SBI Non-Account holder as well as SBI Account holder).
8. Please visit www.onlinesbi.com
9. Click on SB Collect → SBI
10. Tick mark ✓ box and click on proceed, to accept the terms
11. Select "All India" at State of Corporate and then select "Charitable Institution" at Type of Corporate
12. Select "BAIF" at Charitable Institution
13. You will see "BAIF" name as a logo **BAIF** with Nashik office Address. Select payment category as "Tender Fee" or "EMD".
14. A one-page form will open and the concerned vendor has to fill in the required details such as Name of Firm, Proprietor, Mobile No., E-mail Address, Amount and Name of item/service quoted, etc.
15. Confirm the details as above
16. Vendor / bidder has the following options to make online payment of Tender Fee / EMD
 - a. SBI Net Banking
 - b. Other Bank Net Banking
 - c. Debit Card
 - d. Credit Card
 - e. Pre-paid Card
 - f. BHIM UPI
 - g. NEFT / RTGS
17. After making the payment, the vendor/bidder will receive an online receipt, E-mail from SBI as well as Transaction No. as confirmation of payment
18. Vendor / Bidder has to inform the "Transaction No." and "Amount" to the Purchase Dept. Nashik immediately through E-mail and also at the time of submitting the quotation in case of Tender Fee and before receiving PO / WO in case of EMD.

Estimate for Pipes and Accessories

Annexure-1

Sr No	Activity	Nos	Quantity	Unit	Rate	Amount
1	Excavation for foundation in earth, soil of all types, sand, gravel, soft and hard murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift up to 1.5 m.)					
	Rising Main line	1	315.00	Cum		
2	Providing and supplying in standard lengths Polyethylene Pipes, conforming to IS 4984 /14151 / 12786 / 13488 with necessary jointing material like mechanical connector i.e. thread / insert joint / quick release coupler joint / compression fitting joint or flanged joint excluding coupler/specials, including transportation and freight charges, inspection charges, loading / unloading charges, conveyance to the departmental stores & stacking the same in closed shade duly protecting from sunrays & rains, excluding GST levied by GOI & GOM in all respect etc. complete.					
	IX H. D. P. E. pipes PE 100, 110 mm, 8kg. / Sq. cm - Make Jain	1	150.00	Rmt		
	IX H. D. P. E. pipes PE 100, 110 mm, 6kg. / Sq. cm - Make Jain	1	550.00	Rmt		
3	Lowering, Laying and Jointing H. D. P. E pipes in proper position including all specials by compression fitting/electrofusion and butt fusion jointing procedure as per relevant IS Code complete with all materials for jointing procedure like Electrofusion machine, Electric heater/butt fusion welding machine with hydraulic jack, top loading clamp etc. and all labours as directed by engineer in charge as per IS-7634 Part II For all classes.					
	IX H. D. P. E. pipes PE 100, 110 mm, 8kg. / Sq. cm - Make Jain	1	150.00	Rmt		
	IX H. D. P. E. pipes PE 100, 110 mm, 6kg. / Sq. cm - Make Jain	1	550.00	Rmt		
4	Providing and supplying ISI mark CI D/F reflux valves (non-return valves) of following Dia including transportation from stores to site of work, inspection charges, excluding GST levied by GOI & GOM in all respect etc. complete. Reflux valves as per IS.5312 Part I (1984) a) Without by-pass arrangement -1					
	50 mm.	1	1.00	Nos		
	80 mm.	1	1.00	Nos		

Sr No	Activity	Nos	Quantity	Unit	Rate	Amount
5	Providing double flange sluice valve confirming for IS-14846 including worn gear arrangements as per test pressure, stainless steel spindle, caps, including inspection charges, transportation from stores to site of work excluding GST levied by GOI & GOM in all respect etc. complete.					
	50mm		1.00	Nos		
	80mm		1.00	Nos		
6	Lowering, laying and jointing in position following C.I.D/F Reflex valves, Butterfly valves and Sluice valves including cost of all labour jointing material, including nut bolts and giving satisfactory hydraulic testing etc. complete. (Rate for all class of valves.)					
	50mm		1.00	Nos		
	80mm		1.00	Nos		
7	Providing and supplying Air Valves as per IS14845-2000 and MJP's standard specifications of approved make and quality of following diameters including inspection charges, transportation from stores to site of work excluding GST levied by GOI & GOM in all respect etc. complete.					
	25mm.		4.00	Nos		
8	Lowering, laying and fixing in proper alignment and position all types of C.I. air valves as directed by Engineer-in-charge including cost of conveyance from stores to site of work, cost of all material and giving satisfactory hydraulic testing etc. complete. (for all class of valves).					
	Air Valve Single Ball (PN-I and PN					
	25mm.		4.00	Nos		
9	Providing and laying Murum bedding using available material from excavation in trenches with murum of approved quality in layers not exceeding 150 mm to 200 mm, each layer shall be compacted by watering and ramming etc. complete as directed.					
	Rising Main line		315.00	Cum		
10	Backfilling the trenches using available material from excavation in layers not exceeding 300 mm, each layer shall be compacted by watering and ramming without disturbing the pipe line with excavated stuff, including breaking of clods of soil etc. complete as directed. (The backfilling on the two sides of the pipeline should be carried out simultaneously)					
	Rising Main line		315.00	Cum		
11	T- 110mm to 63 mm reducer		6	Nos		
12	63 mm ball valve		12	Nos		
13	63 mm T		6	Nos		
14	110 mm End caps		1	Nos		
Total Estimated Cost, Rs						-
18 % GST						-
Grand Total						-

Quotation of Solar Pump

Annexure -02

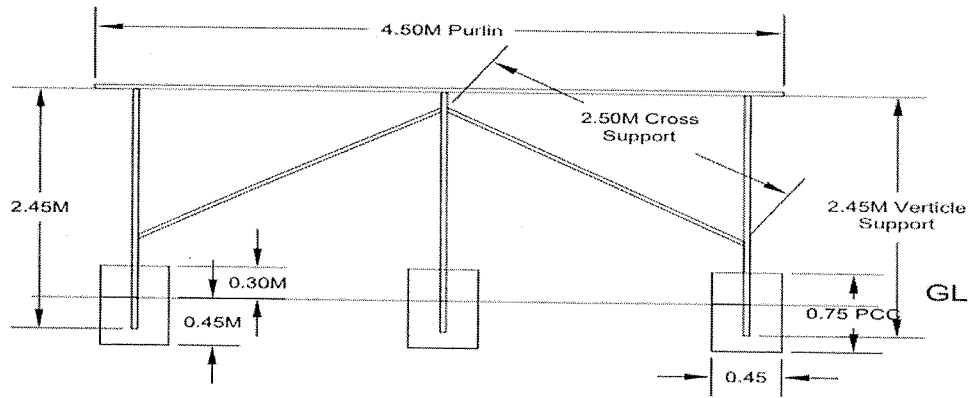
Sr.No.	Particulars / Items	Specifications	Unit	Qty (Set)	Unit Rate	Total Amount (Rs.)
1	Solar Panels	335 Wp, 32 Nos, Total-10720 Wp. Type-Poly, with 25 Year Warranty, Make - Panasonic	Wp	10720		
2	Solar Sub. DC Pump	10 HP, 8.16 LPS for 52 M Head, With 5 Year Warranty. Make Shakti (Model - SOLAR 40 DCSSP 9000)	nos	1		
3	Solar Pump Controller	10 HP, 1 no., With Warranty -5 Year, Make-Shakti				
4	Module Mounting Structure	Should be angle section fixed and type made of galvanized iron (GI) with 80-micron thickness, wind velocity capacity of 150 KMPH, having silver colour vertical legs are 75*40*4mm channel section. All rafter angle should be 50*50*5mm angle and purlins should be 40*40*50mm. all cross support are 40*40*5mm angle section fully prefabricated and assemble with GI fasteners, and should be hot dip galvanized, m in height of the panel from GL must be 1.5 meter with vertical leg supported the PV module eChannel, thickness of vertical support and rafter = 3.5mm thick, purlin thickness= 3mm, depth of column in ground= 1.5ft, Length and width of the column in ground=0.45*0.45m. no. of vertical leg supported the PV module should be 24. all nut & bolt. (For single mounting unit, 6 vertical legs of 75*40*4mm, 4 purlins of 40*40*5mm and 3 rafters of 50*50*5mm) 32 solar panels requires 4 mounting units.	nos	10720		
5	Inner Connecting Cable-	DC, 6 Sq.m, make a polycab	m	50		
6	DCDB	Enclosure box - dimensions 280mm *190mm*130mm = 1nos, 3 Pole SPD 1000V, 63 A DC MCB, 16A Fuse & Fuse Holder = 2 no each, Make of protection devices = Phoenix / Citel / CHNT/EATON	nos	1		

Sr.No.	Particulars / Items	Specifications	Unit	Qty (Set)	Unit Rate	Total Amount (Rs.)
7	Lighting Arrestor Set	As per MNRE norms	nos	1		
8	Earthing for LA, Controller and DCDB	As per MNRE norms	nos	2		
9	Sub. Cable	Copper, 6 sq.mm, 1 core, 50 m, polycab	m	50		
10	High Density Pipe	HDPE PE32 PN4 DN32	m	50		
11	Electrical Fitting material & accessories	Make - Anchor	nos	1		
12	Transportation	All material to site	nos	1		
13	System Testing	System Testing, Commissioning of system, 5 years' service, Installation, Integration	nos	1		
14	Warranty and AMC for PV module and pump set	PV module should be 10 years product warranty and 25 years power output warranty for pump set and controller warranty should be 2 years.	nos	1		
15	Danger Board	0.30x0.20 m GI sheet 2 mm thickness with properly indicating & Highlighted "Danger "- word & Sign of Danger) with fitting.	nos	1		
Total Amount (Rs.)						
GST (Item 1& 2) 12%						
GST (Item 4To 15) 18%						
Total Cost						

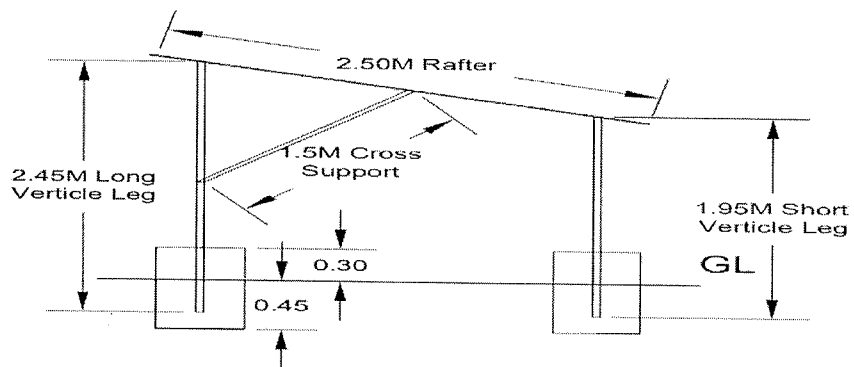
Measurement Sheet for PV Module Mounting

Annexure -3

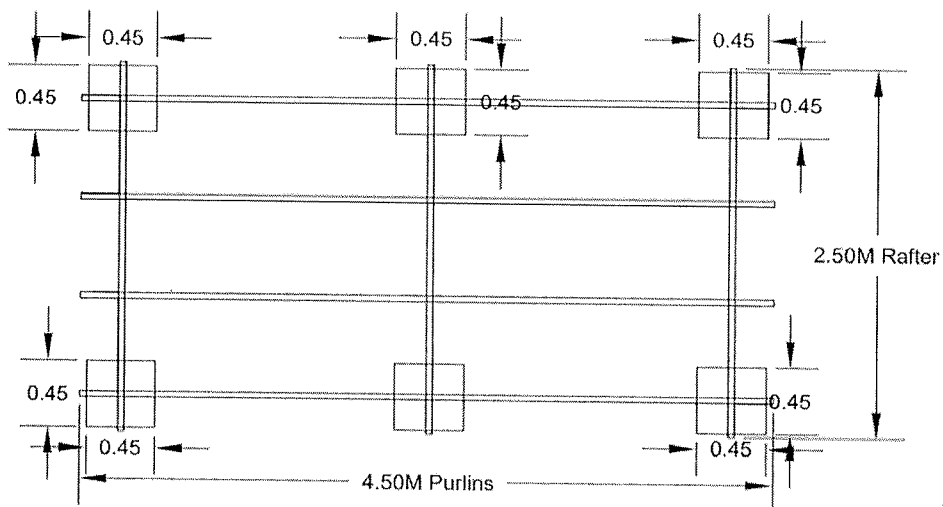
Sr. No.	Particulars	no.	L	W	D/H	Q	Unit
1	site cleaning	1					
	Excavation						
2	Excavation for pits in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift up to 0.00 to 1.50 m.) By Manual Means	6	0.45	0.45	0.45	0.54675	Cum
3	PCC - Providing and laying in situ, following grades of C.C. of trap /granite / quartzite / gneiss metal for foundation and bedding including dewatering, formwork, compacting and curing, finishing, etc. complete. A) M-15						
	Below GL	6	0.45	0.45	0.45	0.54675	
	Above GL	6	0.45	0.45	0.3	0.3645	
						0.91125	Cum
	Structural Steel work for PV module mounting						
4	Should be angle section fixed and tilt type made of hot dip galvanized iron (GI) with 80-micron thickness, wind velocity capacity of 150 KMPH, having silver colour vertical legs are 75*40*5mm channel section. All rafter square box should be 40*40*4mm thick and square box purlins should be 40*40*4mm. all cross support are 40*40*4mm angle section fully prefabricated and assemble with GI fasteners, and should be hot dip galvanized, height of the panel must be 1.5 m from GL with vertical leg supported the PV module eChannel and all nut and bolts etc.	no.	Length	Total Length			
4.a	Hot dip GI Channel 75*40*5mm @Vertical leg						
	Long Vertical leg	3	2.45	7.35			
	Short Vertical leg	3	1.95	5.85			
4.b	Hot dip GI square box 40*40*4mm @purlin	4	4.5	18			
4.c	Hot dip GI Square box *40*4mm @ Rafter	3	2.5	7.5			
4.d	Hot dip GI square box 40*40*4mm @ Cross support (1)	2	2.5	5			
4.e	Hot dip GI square box 40*40*4mm @ Cross support (2)	3	1.5	4.5			
Remark: Above one PV Module Mounting structure for eight solar panel & total qty 04 nos. for 32 solar panel.							



Front View



Side View



Top View