

(15/10/2022)

# 10 KW Three-Phase Solar Grid Connected Proposal

Proposal Submitted To:  
DHANSANCHAY AGRO PRODUCER COMPANY LTD, RAHATI



# LIVFAST SOLAR



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## DOCUMENT REQUIRED

1. AADHAR CARD
2. PAN CARD
3. LIGHT BILL
4. LIGHT BILL PAID RECEIPT
5. PROPERTY TAX RECEIPT
6. PASSPORT SIZE PHOTO (4)
7. STAMPED PAPER RS. 100/- (2)



## About Livfast

Livfast is the leading power specialist in India with a widespread portfolio of Power back up solutions such as Automotive Batteries, Inverters, Inverter Batteries, Solar Applications. We listen and understand the needs of the consumers and answer these needs in form of our products. We, at Livfast strive to be constantly innovating to make lives across the country easier for our consumers.

### 4.0 Generation Statistics:

Capacity of the system	Annual Generation Assurance ( UNIT)	Yearly Degradation in Generation
10KW	14000	1%YOY



## 5.0 Timeline Methodology & Implementation Approach

TIME LINE FOR PROJECT EXECUTION for 10 KW																
Sr No	Activity	WEEK 1				WEEK 2				WEEK 3				WEEK 4		
1	Receiving PO with the Payment															
2	Site Survey															
3	Design ,Procurement& assembly of all the material required															
4	Preparation of Structure with GI Coating															
5	material ,Payment installment															
6	,PCC civil work if any															
7	AC Cabling and Earthing															
8	Solar Panels Mounitng															
9	DC Cabling															
	Mounting Inverters , ACDB , LT Panel 10 Integration															
11	Testing &Comissioning& Handover															

- Note: Net Meter Installation and MSEDCL liasoning is not included in the Timeline Provided.
- Above Timeline can adhered only if the Payment installments are received as per Payment Terms.

## 6.0 Bill of Material.

S.N	Description	Size/Rating	Quantity	Make	IEC Standards
1	Solar PV Module crystalline Type	335	30	LIVFATS	IEC 61215:2005 - Ed 2 , IEC 61730 - Ed1 & Ed2, IEC 61701, IEC 62804, MNRE, UL,CE, IS:14286, IS-61215, IS-61730
2	Array Junction Box / DC Side Distribution Box (DCDB)	3-WAY	1	STANDARD	IP 65  IEC 60947 part I,II, III / IS 60947 Part I,II,III EN 50521
	DC Fuse – Positive	15ADC	(1 per string)	Elmx/CopperBus	
	DC Surge Protection Device (SPD) for PV	Type 2	2	Mersen/Phoenix	
3	Inverter With Remote Monitoring	10 KW	1	GROWAAT/ LIVFAST	
4	AC Side Distribution Box (ACDB)-	3-WAY	1	STANDARD	IP 65 IEC 60947 part I,II, III / IS 60947 Part I,II,III EN 50521
5	DC Wiring - Solar PV Modules to Inverter	4Sqmm		Polycab	IEC 60227 / IS 694 IEC 60502 / IS 1554
	Solar DC Cable	4sqmm – 1 Core	>300m		
6	MC4 Connectors - Male		15	Multicontact/ Elmex	
	MC4 Connectors – Female		15		
7	Cable Conduit – HDPE/PVC PIPE/Cable Tray		Actuals	Standard	
8	AC Wiring – Inverter to ACDB			Polycab	IEC 60227 / IS 694
	Cable, 4-core	10 sqmm	15Mt		IEC 60502 / IS 1554
9	Mounting Structure Ground Mount – Hot Dipped G.I.	10 KW	SET	Standard Raised Structure	
10	LT CT net Meter	Various			

## 7.0 Budgetary Quotation– Commercial

Price schedule for 10Kw					
Sr. No.	System material Description	Capacity	Qty	Unit	Total amt. In (INR)
1	Solar PV Module – LIVFAST	335	30		6,03,000/-
2	Grid tied Inverter with Remote Monitoring, LIVFAST / GROWAAT	10 KW	1		
3	Cables & Other related accessories		Complete	Set	
4	Junction Boxes, DCDB & Other accessories		Complete	Set	
5	Earthing Set and other Balance of System		Complete	Set	
GST :-					72,360/-
Total Cost					<b>6,75,360/-</b>
1	Installation ,Labour ,Commissioning , LT Net Metering ,				15000/-

- a) Additional Cable & Cable laying costs of AC cables from Main LT panel to Net Meters, if obligated from MSEB.
- b) Any civil work required to lie above cable.
- c) Data services & Wi-Fi device or router to share data from inviter to cloud \
- d) HT Net Metering is not included in the proposal .(Estimated time line for HT net metering would be between 3 to 6 Months )
- e) SMART meter installation would required some additional hardware in electrical box, such as CTs or additional Bus bars , cost for such things will be at actual not more than 25000 Rs.

## 8.0 Terms & Conditions

Commercial terms and conditions:

1) Terms of payment:

- 100 % Advance before Material dispatch

2) Price basis: The price is F.O.R destination.

3) Taxes & duties:

- All Inclusive in offer

4) Delivery / completion period:

- Within 2 to 4 weeks from the date of your technically and commercially clear purchase Order along with advance. Actual work will be commenced after approval from Client if the advance payment is not made as per the terms and conditions or if any of the payment eligible is not made in time or if the technical specifications are changed during the execution of the order within the available in time or if subsequent changes, which delay the delivery, then the time limit will be extended proportionately.
- Timeline of the project along Pert Chart will be submitted after finalization of project.

5) Validity of offer: This offer is valid for 10 days from the date of offer and thereafter it will be subject to our reconfirmation.

6) Limitation to liability: Our liability in respect of any defect or failure of the equipment supplied thereto, is limited to making good by replacing or repairing defects which under proper use appear therein (provided the equipment is installed, operated, maintained as per our instruction manual) and arise solely from faulty design, materials or workmanship within warrantee period. At the termination of which period, all liability on our part shall cease.

7) Warrantee Guarantee & Standard Terms:

- 8 Years Warranty on LIVFAST Inverter, with further extension possible on payment basis.
- 25 Years Performance Generation Warranty on Solar Panels as provided by Manufacturer.
- Protection Devices such as SPDS, MCBS, and Fuses will not be covered under warranty.
- Parts and Components, which are repaired or replaced during such period, are warranted for the original warranty period only and will not carry any extended warranty.
- 2 Years on Warranty on system, limited to devices which are caused due to external defects.
- Physical Damages caused to whatsoever reasons won't be covered under warranty.

- If the equipment is not repairable at site, the same has to be sent at our workshop on freight prepaid basis after obtaining our consent in writing and we shall make good the defect and return back to you on freight to pay basis.
  - The warranty shall not apply to defects resulting from: Wilful damage or negligence, normal wear and tear, Installation and/or maintenance by Purchaser or a third party without supplier's prior written consent, Misuse or abuse of Equipment. Modifications or alterations made by Purchaser or a third party without supplier's written consent.
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- AMC considered for two years in non-comprehensive, with Submission of Quarterly generation and maintenance report.
  - After Second Year to maintain System Healthy, Non-Comprehensive AMC charges will be as per O&M plans which is considerable around 2 % of the project cost with 10% Escalation YOY.
- 9) Right and lien of property: We shall retain the right on equipment, materials or parts supplied by us under this quotation until full value thereof as per our invoice has been fully paid to us as per terms and condition.

Submitted By

**SAI ELECTRICALS SERVICES (MNRE CHAINEL PARTNER)**

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