

# BAIF Institute for Sustainable Livelihoods and Development (BAIF Livelihoods)

BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik-Pune Road, Nashik 422011  
Phone No. 0253-2416057/58 2411745 2411589 E-mail: [mittransk@gmail.com](mailto:mittransk@gmail.com)

## TENDER FOR QUOTATIONS FOR SOLAR SYSTEM WORK OF CLIMATE SMART VILLAGE

O. No. ~~O.No.BISLD/NASHIK~~ 574/25

Date: 26.02.2025

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
Solar system work of climate smart village, (Required as per attached sheet)	01	Village: Guhir Tal. Wada Dist. Palghar	March 2025

### Detailed Description of the Product – SOLAR SYSTEM WORK OF CLIMATE SMART VILLAGE

As above

#### 1. Quoted Price:

- The contract shall be for valid up to 30.03.2025 for the products described above.
- The bidder shall quote for goods / services in the attached format of quotation.
- 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 mentioned location (s) of work where service can be provided.
- Experience of same type of work done party are mandatory with documentary evidence,**
- Preference will be given to the authorized vendor/partner/youth trained by Schinder Electric ltd**

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

**3. Validity of Quotations:**

The quotation shall remain valid up to 30.03.2025 after the deadline fixed for submission of quotations.

**4. Evaluation of Quotations:**

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 is the lowest.
- c. 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 15 days after receipt and installation as required, of the Solar system work of climate-smart village.**

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.500/-** only through Bhim UPI VPA / QR Code. Detailed process is enclosed as Annexure. Prior to submission of Bid, 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 Livelihoods Nashik will compare all the bids and the Purchase Committee will award a contract to the selected Vendor. The selected Vendor will be informed of the selection for supply of goods/services by E-mail. The selected Vendor has to transfer the EMD amount within two working days and inform the Transaction No. and date by E-mail. After confirmation of EMD amount being deposited in BAIF Livelihoods Bank Account, BAIF Livelihoods will issue the Purchase Order/Work Order. In case of failure to pay EMD, BAIF Livelihoods 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 Livelihoods for a period of one year.

#### 10. Submission of Quotations:

- Sealed Envelope mentioning “Solar system work of climate-smart village” on it.
- Transaction No. and date for payment of tender fee.
- The quotation should be accompanied by a government approved/ registered agency certificate
- List of Similar Works Undertaken with details of clients etc. if any.
- **Last date of Submission is 06.03.25** latest by 5:30 pm.
- Address: **Purchase Department, BAIF Livelihoods, BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik Pune Road, Nashik 422011**

We look forward to receiving your quotation.

Yours sincerely

**(Dr. Raviraj Jadhav)**  
**Regional Director**  
**BAIF Livelihoods**

**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
		<b>Total</b>				
		<b>Taxes @ .....% (if any)</b>				
		<b>Grand Total</b>				

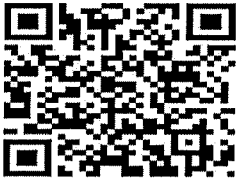
**Terms and Conditions:**

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

Signature with Stamp of Firm  
 Name of Authorized signatory

## **Tender fees & EMD amount Collection**

1. This is to be used for payment from Scan QR Code of BHIM UPI Mobile App / any bank mobile app / Paytm / Google



2. BHIM UPI VPA: bisld@icici

1. After making the payment, the vendor/bidder will receive an online receipt, as well as the Transaction No. as confirmation of payment
2. 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.

Sr. No.	Description of Equipment /Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amount in Rs.	Remarks
A	Assembly A1		PV Module Generation Plant							
1.	Solar PV		24 V, 585 Wp, 72 Cell, Polycrystalline	Luminous	64	No.	Solar Power Plant			
2.	Solar Structures for ground mount			Reputed	40	kW	Solar Power Plant			
3.	Solar Structure for tin shed Mount +FRP walk way			Reputed	0	kW	Solar Power Plant			
4.	Solar PV MC4 connector			Elmex	40	Pair	Solar Power Plant			
5.	Fencing			TATA	120	Mtr.	Solar Power Plant			
6.	GI Angle for Fencing		35x35x5 mm, Length-2200 mm	Reputed	50	No.	Solar Power Plant			
7.	GI strip		25x3 mm	Reputed	100	Mtr.	Solar Power Plant			
8.	Barbed wire			Reputed	120	Mtr.	Solar Power Plant			
9.	Fencing gate				1	No.	Solar Power Plant			
10.	Civil Material for Fencing, solar erection & earthing			Reputed	40	kW	Solar Power Plant			
11.	Self-screw		Zinc Plated Carbon Screw	Reputed	300	No.	Solar Power Plant			For installation of fencing
12.	Danger Boards		For fencing	Reputed	10	No.	Solar Power Plant			

Sr. No.	Description of Equipment /Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amount in Rs.	Remarks
<b>B</b>	<b>Assembly A2</b>		<b>Array Junction Box (4 IN /4 OUT)</b>				<b>Solar Power Plant</b>			
1	Polycarbonate /ABS Enclosure		380X 280 X175 mm, IP65 Protection	Grapes / Trinity-touch	1	No.	Solar Power Plant			
2	Din Rail		SS Din Rail MCB Channel Slotted (500 x 35 x 7.5 mm)	Reputed	1	No.	Solar Power Plant			
3	DC Fuse with Base		DC 15 A fuse with Base holder	Elmex	4	No.	Solar Power Plant			
4	DC MCB		800V DC, 25A 2PC C Curve	Schneider	4	No.	Solar Power Plant			
5	Shorting Link		Suitable for 10 sq terminal	Reputed	2	No.	Solar Power Plant			
6	Bakelite sheet		Acrylic sheet-2.2 mm thick - 600X300X2mm	Reputed	1	No.	Solar Power Plant			
7	PVC glands		PVC Glands (suitable for 6 sqmm wire)	Connect well/ Hex	8	No.	Solar Power Plant			
8	PVC glands		PVC Glands (suitable for 10 sqmm wire)	Connect well/ Hex	8	No.	Solar Power Plant			
9	Lugs		6 sq mm pin type	Reputed	40	No.	Solar Power Plant			
10	Lugs		10 sq mm pin type	Reputed	20	No.	Solar Power Plant			
11	Sleeve		Ferrule (A-Z,0-9)	Reputed	1	Set	Solar Power Plant			
12	Legend		Panel name plate	Reputed	1	No.	Solar Power Plant			
13	Misc.		Cable, Hardware, nuts, bolts, washers etc.	Reputed	1	Set	Solar Power Plant			

Sr. No.	Description of Equipment /Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
<b>C</b>	<b>Assembly A3</b>		<b>Villaya Agro (Power Managing panel)</b>				<b>Solar Power Plant</b>			
1	Villaya Agro		Villaya Agro control panel	Schneider	1	No.	Solar Power Plant			
2	Canopy		Tin shed Canopy	Reputed	1	No.	Solar Power Plant			For Villaya and Battery box
<b>D</b>	<b>Assembly A4</b>		<b>Balance of System - BoS</b>							
1	Star Washer		M 6 External Star Washer 304 Stainless Steel External Tooth Star Lock		150	No.	Solar Power Plant			
2	Screw		Stainless Steel Pan Self Tapping Screws, L-10 mm Dia. 4.6 mm		150	No.	Solar Power Plant			
3	Lightning Arrester		ESE Lighting Arrester		1	No.	Solar Power Plant			
4	Elevation Pipe		6-meter Height-Anodized pipe		1	No.	Solar Power Plant			
5	GI Wire		8 AWG GI Wire		35	Mtr.	Solar Power Plant			
6	Earthing Strip		25x3mm GI Strip		120	Mtr.	Solar Power Plant			
7	Spray paint		Aluminum Spray Paint 400 ml		3	Bottle	Solar Power Plant			
8	Cable Tie		PCV 300 x 4.6 mm		3	Packet	Solar Power Plant			
9	Cable Tie		Stainless Steel Cable TIE (SS304) 300 mm x 4.6 mm		2	Packet	Solar Power Plant			

Sr. No.	Description of Equipment /Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amount in Rs.	Remarks
10	PV Panel PVC Sticker		PV Numbering Pre-Printed PV Panel PVC Sticker(30X100MM)		80	No.	Solar Power Plant			
11	Paint		White Paint for wall painting & 4" Brush		10	Ltr.	Solar Power Plant			
12	Brush		Painting Brush 4"		1	No.	Solar Power Plant			
<b>E</b>	<b>Assembly A5</b>		<b>Pump House + Enterprise (productive load)</b>							
1	VFD Panel for LJ-									
2	Enclosure		APPROXIMATE SIZE (IP-42, Indoor Wall, mounted type) FRAME-2 mm, Removable Gland Plat 2 mm CRCA MS SHEET SIEMENS GREY, RAL-7035		2	No.	Pump House along with Lift Irrigation			
3	MCB	A9N61532	20Amp ,2P, 6kA, 500V DC MCB	Schneider	2	No.	Pump House along with Lift Irrigation			
4	SPD	A9L40271	iPRD-DC 40r 800PV modular surge arrester - 2P - 840VDC	Schneider	2	No.	Pump House along with Lift Irrigation			
5	VFD	ATV320U75 N4C412	ATV320 Drive Variant, 10 HP	Schneider	2	No.	Pump House along with Lift Irrigation			



Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
6	ON/OFF Switch	61191 SAB13	1 pole 2-way selector switch	Schneider	2	No.	Pump House along with Lift Irrigation			
7	Push Button	XB5AA51N	Yellow Push Button with NO contact	ESBEE (L&T)	2	No.	Pump House along with Lift Irrigation			VFD reset
8	Light	XB7EV04B P	Std. LED PILOT LIGHT RED, 24V DC	ESBEE (L&T)	2	No.	Pump House along with Lift Irrigation			
9	Light	XB7EV03B P	Std. LED PILOT LIGHT GREEN, 24V DC	ESBEE (L&T)	2	No.	Pump House along with Lift Irrigation			
10	RMS		RMS with 2G/4G-LTE Sim card	Schneider	2	No.	Pump House along with Lift Irrigation			
11	PVC Air Vent		PVC Square Air Vent	Reputed	4	No.	Pump House along with Lift Irrigation			
12	Terminal Block		10 sq mm grey terminal Block	Connect well	16	No.	Pump House along with Lift Irrigation			
13	Terminal Block		6 sq mm green terminal Block	Connect well	6	No.	Pump House along with Lift Irrigation			
14	Gland for DC Cable		PVC Gland PG-	Connect well	2	No.	Pump House along with Lift Irrigation			
15	Gland for AC Cable		PVC Gland PG-	Connect well	6	No.	Pump House along with Lift Irrigation			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
16	Gland for Earthing Cable	62.5	PVC Gland PG-	Connect well	6	No.	Pump House along with Lift Irrigation			
17	Other accessories		NUT, BOLT, WASHER, FEFFUL, CABLE TAI, PVC SPEIRAL, CONTROL WIRE, POWER WIRE, LUGS, MCB CHANNEL ETC.	Reputed	2	Set	Pump House along with Lift Irrigation			
<b>F</b>	<b>Assembly A6</b>		<b>Balance of System - BoS</b>							
1	DC Power Cable	(considered single location)	Red Color UV cable - 6 Sq mm - 1 core copper	Polycab /KEI	400	Mtr.	DC Distribution Line			For Solar String Design
2	DC Power Cable	(considered single location)	Black Color UV cable - 6 Sq mm - 1 core copper	Polycab /KEI	400	Mtr.	DC Distribution Line			For Solar String Design
3	HDPE Pipe		50mm OD	Reputed	80	Mtr.	DC Distribution Line			For above Cabling
4	HDPE pipe accessories- Bends, Socket, Elbow & T-joint		50 mm	Reputed	12	Set	DC Distribution Line			For above Cabling
5	PU Foam		Insulation Sealant off White, 750 ml	Reputed	6	Bottle	DC Distribution Line			For pipe hole sealing
6	Earthing Rod		58 mm dia, 4 feet length, copper-bonded electrode	Reputed	10	No.	DC Distribution Line			

Sr. No.	Equipment/ Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
7	Chemical Earthing Powder		Chemical earthing powder-50 kg	Reputed	10	No.	DC Distribution Line			
8	Earthing Pit Cover		FRP Earthing Pit Cover	Reputed	10	No.	DC Distribution Line			
9	Earthing cable		16 Sq.mm 1 Core FRLS Flexible Cable Green	Reputed	50	Mtr.	DC Distribution Line			For LA and Inverter
10	Earthing cable		2.5 Sq.mm 1 Core FRLS Flexible Cable Green	Reputed	150	Mtr.	DC Distribution Line			For PV-to-PV earthing
11	Lugs		16 sq mm Ring type	Reputed	20	No.	DC Distribution Line			
12	Lugs		10 sq mm Ring type	Reputed	40	No.	DC Distribution Line			
13	Lugs		M6, 2.5 sq mm Ring type	Reputed	200	No.	DC Distribution Line			
14	Lugs		M8, 120 sq mm Hole type	Reputed	15	No.	DC Distribution Line			
15	Lugs		M6, 6 sq mm Ring type	Reputed	60	No.	DC Distribution Line			
16	Lugs		6 sq mm Pin type	Reputed	80	No.	DC Distribution Line			
17	Lugs		4 sq mm Pin type	Reputed	50	No.	DC Distribution Line			

Sr. No.	Equip./ Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price (Rs.)	Amt. in Rs.	Remarks
18	Lugs		M6,4 sq mm ring type	Reputed	50	No.	DC Distribution Line			
19	Lugs		M8,4 sq mm ring type	Reputed	50	No.	DC Distribution Line			
20	Pvc Pape		PVC Tape RYBGB	Reputed	25	No.	DC Distribution Line			
21	Sleeve		HT sleeve Suitable for 120 sq mm Cable (red and black)	Reputed	2	Mtr.	DC Distribution Line			
<b>G</b>	<b>Assembly A7</b>		<b>Cabling</b>							
1	UV protected DC Cable		UV cable - 1Cx6 Sqmm - 1 core copper flexible Cu. Un-armoured-Red	Polycab/KEI	20	Mtr.	DC Distribution Line			DCDB to Villaya
2	UV protected DC Cable		UV cable - 1Cx6 Sqmm - 1 core copper flexible Cu Un-Armoured-Black	Polycab / KEI	20	Mtr.	DC Distribution Line			DCDB to Villaya
3			Trench Digging & backfilling		740	Mtr.	DC Distribution Line			Villaya to Pump house
4			Laying Bedding Material (bricks and sand)		740	Mtr.	DC Distribution Line			Villaya to Pump house
5	HDPE pipe (for remote control cable)		HDPE pipe 75 mm		740	Mtr.	DC Distribution Line			Villaya to Pump house
6			1Cx10 Sqmm DC cable	Polycab / KEI	1628	Mtr.	DC Distribution Line			Villaya to Pump house

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
7			1Cx10 Sqmm DC cable	Polycab/KEI	1628	Mtr	DC Distribution Line			Villaya to production house
8	Control Cable		10Cx0.5 sq mm (Single Role of mtr)	Polycab/KEI	1480	Mtr	DC Distribution Line			Villaya Agro to Pump house Remote
9	Control Cable		10Cx0.5 sq mm (Single Role of mtr)	Polycab/KEI	42	Mtr.	DC Distribution Line			Villaya Agro to production house Remote
10	PVC Duct		40x80 mm Length-2 mtr		40	Mtr.	DC Distribution Line			For above Cabling
<b>H</b>	<b>Assembly A8</b>		<b>Balance of System - BoS</b>							
1	Flexible pipe		UV protected 25 MM		20	Mtr.	Production House			
2	PVC gitti and Screw		PVC gitti and Screw		2	Packet	Production House			
3	PVC cable tag		PVC cable tags strip, Size: 60X20MM		1	Packet	Production House			
4	Air conditioner		Single phase 230V AC		1	No.	Production House			
5	Anchor fastener		Anchor fastener M8,65 length		8	No.	Production House			
6	Anchor fastener		Anchor fastener M12,65 length		40	No.	Production House			
7	White Putti		Wall Putty		40	kg	Production House			
8	PVC Saddle		25 mm		1	Packet	Production House			
9	GI Saddle		25mm		1	Packet	Production House			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
10	Insulator		GI Strip Insulator Clamp 25x3		40	No.	Production House			
11	VFD Panel 10 HP for Enterprise (productive load)									
12	Enclosure		Approximate Size (IP-42, Indoor Wall, mounted type) FRAME-2 mm, Removable Gland Plat 2 mm CRCA MS SHEET SIEMENS GREY, RAL-7035		1	No.	Production House			
13	MCB	A9N61532	20Amp ,2P, 6kA, 500V DC MCB	Schneider	1	No.	Production House			
14	SPD	A9L40271	iPRD-DC 40r 800PV modular surge arrester - 2P - 840VDC	Schneider	1	No.	Production House			
15	VFD	ATV320U75 N4C412	ATV320 Drive Variant, 10 HP	Schneider	1	No.	Production House			
16	MPCB	GV2ME20	Thermal magnetic circuit breakers - 15KA,13-18 Amp.	Schneider	1	No.	Production House			
17	MPCB	GV2ME21	Thermal magnetic circuit breakers - 15KA,2.5-4.5 Amp.	Schneider	2	No.	Production House			
18	ON/OFF Switch	61191 SAB13	1 pole 2-way selector switch	Schneider	1	No.	Production House			

Sr. No.	Equip./ Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
19	Push Button	XB5AA51N	Yellow Push Button with NO contact	ESBEE (L&T)	1	No.	Production House			VFD reset
20	Light	XB7EV04B P	Std. LED PILOT LIGHT RED, 24V DC	ESBEE (L&T)	1	No.	Production House			
21	Light	XB7EV03B P	Std. LED PILOT LIGHT GREEN, 24V DC	ESBEE (L&T)	1	No.	Production House			
22	Changeover	AUC00404000	40Amp 4 pole	L & T	2	No.	Production House			For Machine/ Pump Power switching
23	RMS		RMS with 2G/4G-LTE sim card	Schneider	1	No.	Production House			
24	PVC Air Vent		PVC Square Air Vent	Reputed	2	No.	Production House			
25	Terminal Block		10 sq mm grey terminal Block	Connect well	12	No.	Production House			
26	Terminal Block		6 sq mm green terminal Block	Connect well	3	No.	Production House			
27	Gland for DC Cable		PVC Gland PG-	Connect well	1	No.	Production House			
28	Gland for AC Cable		PVC Gland PG-	Connect well	6	No.	Production House			
29	Gland for Earthing Cable	62.5	PVC Gland PG-	Connect well	3	No.	Production House			

30	Other accessories		NUT, BOLT, WASHER, FEFFUL, CABLE TAL, PVC SPEIRAL, CONTROL WIRE, POWER WIRE, LUGS, MCB	Reputed	1	Set	Production House			
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Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
31	VFD Panel - 7.5 HP (Enterprise (productive load))		CHANNEL ETC.							
32	Enclosure		APPROXIMATE SIZE (IP-42, Indoor Wall, mounted type) FRAME-2 mm, Removable Gland Plat 2 mm CRCA MS SHEET SIEMENS GREY, RAL-7035		1	No.	Production House			
33	MCB	A9N61532	20Amp, 2P, 6kA, 500V DC MCB	Schneider	1	No.	Production House			
34	SPD	A9L40271	iPRD-DC 40r 800PV modular surge arrester - 2P - 840VDC	Schneider	1	No.	Production House			



35	VFD	ATV320U75 N4C412	ATV320 Drive Variant, 7.5 HP	Schneider	1	No.	Production House		
36	MPCB	GV2ME20	Thermal magnetic circuit breakers - 15KA,4-6Amp.	Schneider	2	No.	Production House		
37	ON/OFF Switch	61191 SAB13	1 pole 2-way selector switch.	Schneider	1	No.	Production House		

Sr. No.	Equipment/ Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
38	Push Button	XB5AA51N	Yellow Push Button with NO contact	Schneider	1	No.	Production House			VFD reset
39	Light	XB7EV04B P	Std. LED PILOT LIGHT RED, 24V DC	Schneider	1	No.	Production House			
40	Light	XB7EV03B P	Std. LED PILOT LIGHT GREEN, 24V DC	Schneider	1	No.	Production House			
41	Changeover	AUC004040 00	40Amp 4 pole	L & T	1	No.	Production House			For Machine/ Pump Power switching
42	RMS		RMS with 2G/4G- LTE sim card	Schneider	1	No.	Production House			
43	PVC Air Vent		PVC Square Air Vent	Reputed	2	No.	Production House			
44	Terminal Block		10 sq mm Grey terminal Block	Connect well	8	No.	Production House			
45	Terminal Block		6 sq mm Green terminal Block	Connect well	3	No.	Production House			
46	Gland for DC Cable		PVC Gland PG-	Connect well	2	No.	Production House			
47	Gland for AC Cable		PVC Gland PG-	Connect well	4	No.	Production House			

48	Gland for Earthing Cable		PVC Gland PG-	Connect well	3	No.	Production House		
49	Other accessories		Nut, Bolt, Washer, Fefful, Cable TAI, PVC Spiral, Control Wire, Power Wire, Lugs, MCB	Reputed	1	Set	Production House		

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
			CHANNEL ETC.							
50	Industrial socket						Production House			
51	Industrial socket with box		32Amp 3P+E Industrial socket	Schneider	4	No.	Production House			
52	Industrial socket with box		32Amp 1P+E Industrial socket	Schneider	4	No.	Production House			
I	Assembly A9		Cabling							
1	AC Power Cable		4Cx 4 sq mm ,flexible Cu. UN armoured	Polycab/KEI	30	Mtr.	Production House			VFD to Motor Pump_10/7.5/5 HP
2	AC Power Cable		4Cx 4 sq mm, flexible Cu. Un-armoured	Polycab/KEI	15	Mtr.	Production House			VFD to Motor Machine_10/7.5/5 HP

3	AC Power Cable		4Cx 4 sq mm, flexible Cu. Un-armoured	Polycab/KEI	30	Mtr.	Production House		VFD Panel to 3 Phase Industrial Socket
4	AC Power Cable		4Cx 4 sq mm, flexible Cu. Un-armoured	Polycab / KEI	30	Mtr.	Production House		3 Phase Industrial Socket to Machine_10/7.
5	AC Power Cable		3Cx 4 sq mm, flexible Cu. Un-armoured	Polycab / KEI	30	Mtr.	Production House		Main feeder junction box to Single phase

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt in Rs.	Remarks
6	AC Power Cable		3Cx 4 sq mm, flexible Cu. Un-armoured	Polycab/KEI	40	Mtr.	Production House			Industrial Socket
7	AC Power Cable		5Cx 10 sq mm, flexible Cu. Un-armoured (RYBN+E)	Polycab/KEI	15	Mtr.	Production House			Single phase Industrial Socket to Single Phase Machine
8	AC Power Cable		1Cx 25sq mm, flexible Cu. Un-armoured	Polycab/KEI	20	Mtr.	Production House			Inverter to Main feeder junction box
9	AC Power Cable		1Cx 25 sq mm, flexible Cu. Un-armoured	Polycab/KEI	20	Mtr.	Production House			Inverter to HRC Box

10	UV protected DC Cable		1Cx 6 sq mm, flexible Cu. Un-armoured	Polycab/KEI	20	Mtr.	Production House		AJB(1 in 4 out) to DCDB(4 in 4 out)
11	UV protected DC Cable		1Cx 6 sq mm, flexible Cu. Un-armoured	Polycab/KEI	20	Mtr	Production House		DCDB(4 in 4 out) to Inverter MPPT
12	Earthing Cable		1Cx10 sq mm flexible Cu. Un-armoured	Polycab/KEI	60	Mtr	Production House		Each Panel Body to Earthing Pit
13	Control Cable		0.5 x 2 C Cu flexible un-armoured cable (Single Role of 150 Mtr.)	Polycab/KEI	60	Mtr	Production House		Grid to SEM 2000

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price Rs.	Amt. in Rs.	Remarks
14	Control Cable		0.5 x 2 C Cu flexible unarmoured cable (Single Roll 400 mtr)	Polycab/KEI	50	Mtr.	Production House			SEM 2000 to Main feeder Junction Box
15	Control Cable		2.5 x 2 C Cu flexible un-armoured cable (Single Role of 300 mtr)	Polycab/KEI	42	Mtr.	Production House			Villaya to APU
16	PVC Conduit		PVC Conduit 25 mm		40	Mtr.	Production House			For above Cabling
17	PVC pipe		Bends, Socket, Elbow & T-joint		12	Set	Production House			For above Cabling
<b>J</b>	<b>Assembly A10</b>		<b>Main feeder junction box</b>							
1	Enclosure		Approximate Size (IP-42, Indoor Wall, mounted type) Frame-2 mm, Removable Gland Plat 2 mm CRCA MS Sheet Siemens Grey, RAL-7035		1	No.	Production House			
2	AC MCCB		100A, 415V, 4 Pole, 25 kA, AC MCCB	Schneider	1	No.	Production House			
3	MCB		MCB 4P, 63A	Schneider	1	No.	Production House			Power O/P-2
4	RCBO		4P, 63A, 300mA	Schneider	2	No.	Production House			Power I/P
5	Power contactor		100A 4P power contactor, Aux.230V AC	Schneider	1	No.	Production House			Power O/P-1
6	Power contactor		18 Amp 3 pole Power Contactor coli 230V		1	No.	Production House			Power O/P-3

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt.in Rs.	Remarks
			AC							
7	MCB		16A DP MCB		1	No.	Production House			
8	Relay		230V AC 2 C/O relay	Reputed	1	No.	Production House			
9	PVC Gland		Cable glands suitable for 4Cx10 sq mm, cu Cable	Connec t well	2	No.	Production House			
10	PVC Gland		Cable glands suitable for 1Cx25 sq mm Al, Al Cable	Connec t well	4	No.	Production House			
11	PVC Gland		Cable glands suitable for 1Cx10 sq mm, cu Cable	Connec t well	2	No.	Production House			
12	MFIM		MFIM 3 phase 4 wire CL-1.0	Schneider	1	No.	Production House			
13	CT		CT 100/5 CL-1 CT tape bounded VA tape	Reputed	3	No.	Production House			
14	Light		R, Y, B, G INDICATOR 230 V	ESBEE (L&T)	5	No.	Production House			
15	AC SPD		AC spd 3P+N	Schneider	1	No.	Production House			
16	CBCT	17H7NNIN3	57 mm ID	L & T	1	No.	Production House			
17	ELR	17G715KF2	110 - 240 VAC, 110 VDC, auto reset	L & T	1	No.	Production House			
18	Timer	67DDT0	110 - 240 VAC 1 C/O Base/DIN 25 On/Off Each	L & T	1	No.	Production House			
19	Terminal Block		10 sq mm grey Terminal Block	Connect well	8	No.	Production House			
20	Terminal Block		6 sqn. mm green Terminal Block	Connect Wall	3	No.	Production House			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
21	Other accessories		Nut, Bolt, Washer, FEFFUL, Cable TAI, PVC Spiral, Control Wire, Power Wire, Lugs, MCB Channel etc.	Reputed	1	Set	Production House			
<b>K</b>	<b>Assembly A11</b>		<b>DCDB 1 IN 4 OUT (Bus bar Box)</b>							
1	Polycarbonate /ABS Enclosure		380X 280 X175 mm, IP65 Protection	Grasp/Trinity-touch	1	No.	Production House			
2	DC SPD		DC SPD, 800 V, 40 kA	Schneider	1	No.	Production House			
3	MCB		40 A DC 4P MCB - 1000VDC	Schneider/LT	4	No.	Production House			
4	Insulator		Bakelite sheet	Reputed	1	Set	Production House			
5	Insulator		DMC insulator	Reputed	4	No.	Production House			
6	Gland		Cable glands suitable for 2Cx10 sq mm, cu Cable	Connect well	1	No.	Production House			
7	Gland		Cable glands suitable for 1Cx6 sq mm Cu Cable	Connect well	8	No.	Production House			
8	Gland		Cable glands suitable for 1Cx10 sq mm, cu Cable	Connect well	2	No.	Production House			
9	Lugs		M8, 6 sq mm ring type	Reputed	10	No.	Production House			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
10	Lugs		6 sq mm pin type	Reputed	8	Nos	Production House			
<b>L</b>	<b>Assembly A12</b>		<b>HYBRID SYSTEM</b>				<b>Production House</b>			
1	Inverter, Charge controller		Hybrid Inverter 3 Phase 30-40 kVA, inbuilt two MPPT	Schneider/Solis	1	No.	Production House			
2	Storage System		Battery LFP-76kwh battery	Dyness	76	kWh	Production House			
<b>3</b>	<b>Battery Disconnecter Box</b>									
4	Enclosure		500x500x350 Metal enclosure		1	No.	Production House			
5	Disconnecter		200A ,800VDC, Isolator or disconnecter	HPL / Telergo m	1	No.	Production House			
6	Gland		Metal Double compress gland -25 sq mm	Connect well	4	No.	Production House			
7	Gland		PVC Gland PG 7	Connect well	2	No.	Production House			
<b>M</b>	<b>Assembly A13</b>		<b>Pole Assembly</b>							
1			8 Mtrs 200 kg Concrete Pole	Reputed	23	No.	AC Distribution Line			Distribution
2			9/11-meter metal tubular pole	Reputed	4	No.	AC Distribution Line			Distribution
3			Suspension Clamp	Reputed	16.1	No.	AC Distribution Line			Distribution



Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
4			Tension Clamp	Reputed	16.1	No.	AC Distribution Line			Distribution
5			Piecing Connectors	Reputed	32.2	No.	AC Distribution Line			Distribution
6			Eye Hook	Reputed	16.1	No.	AC Distribution Line			Distribution
7			1200 mm Earthing Rod with Clamp	Reputed	16.1	No.	AC Distribution Line			Distribution
8			8 AWG wire for Earthing	Reputed	128.8	No.	AC Distribution Line			Distribution
9			Anti-Climbing Device	Reputed	16.1	No.	AC Distribution Line			Distribution
10			415V AC Danger Plate	Reputed	16.1	No.	AC Distribution Line			Distribution
11			Stay Set with stay wire	Reputed	4	No.	AC Distribution Line			Distribution
12			C Clamps	Reputed	16.1	No.	AC Distribution Line			Distribution
13			Aluminum Dead-End Clamp	Reputed	3.22	No.	AC Distribution Line			Distribution
14			Digital time Counter	Reputed	1	No.	AC Distribution Line			For Grid feedback

Sr. No.	Equipment /Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
15			2Cx1.5 sq mm Cu cable	Polycab	200	Mtr.	AC Distribution Line			Distribution
16			Erection of 8 mtr psc pole with Filling of pole pit with jhama chips / stone chips and remaining one feet with concreting top muffing of support with 1:4:8 mixture	Reputed	23	No.	AC Distribution Line			Distribution
17			Erection of 9 mtr Tubular pole Concreting of Single Tubular pole 9/11 m and top muffing of support with 1:4:8 mixture	Reputed	4	No.	AC Distribution Line			Distribution
18	HDPE Pipe		60 mm	Reputed	32.2	Mtr.	AC Distribution Line			Distribution
19	GI C-lamp for HDPE		2 clamps for 1 pole	Reputed	32.2	No.	AC Distribution Line			Distribution
N	Assembly A14		<b>Distribution Cables and Household Accessories</b>				<b>AC Distribution Line</b>			
1	Distribution Cable		Aerial bunch cable 5Cx25+25 bare messenger XLPE/PVC Insulated, 1100V		900	Mtr.	AC Distribution Line			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
2	AB Cable Accessories		Piercing Connectors for 25 Sq mm Aerial bunch cable		60	No.	AC Distribution Line			
3	Pole to individual house		2 Core x 2.5 sq mm AI Cable (Unarmoured cable)		1695	Mtr.	AC Distribution Line			
4	IP 65 enclosure with key lock		Pole distribution box		16	No.	AC Distribution Line			Pole to households
5	Clamp		Clamp for Pole distribution box		32	No.	AC Distribution Line			For Pole distribution box
6	MCB Single pole, 1A, 230V		MCB Single pole, 1A, 230V	Schneider	80	No.	AC Distribution Line			
7	RCCB		RCCB double pole, 16A, 30mA	Schneider	16	No.	AC Distribution Line			
8	bakelite sheet		Bakelite sheet		16	No.	AC Distribution Line			
9	Shorting link		MCB Shorting link 12 teeth		16	No.	AC Distribution Line			
10	Gland		PVC Gland PG 16	Connect well	144	No.	AC Distribution Line			
11	Nutral Link		16 Amp, 12 way		16	No.	AC Distribution Line			
12	ACCL		30A/1.5A Automatic Change over with Current Limiter	L&T	80	No.	AC Distribution Line			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
13	PVC/ABS Enclosure		280x180x100 wall mounting Enclosure IP 67		80	No.	AC Distribution Line			
14	Modification in internal wiring		Modification in wiring as per load per Household		80	No.	AC Distribution Line			
15	Lug		Hole type , for 25 Sqmm cable Al		10	No.	AC Distribution Line			
16	J pipe		J Shaped GI Conduit Pipe, Size: 20-25mm		80	No.	AC Distribution Line			
<b>O</b>	<b>Assembly A15</b>		<b>Street Light</b>				<b>Street Light</b>			
1	Street Light		30-watt IP 67	Havells	25	No.	Street Light			25
2	GI Clamp			Reputed	50	No.	Street Light			
3	GI pipe			Reputed	25	No.	Street Light			
4	Piercing Connectors		Piercing Connectors suitable for 25/2.5 sq mm cable	Reputed	25	No.	Street Light			
5	Cable		2Cx2.5 sq mm	Reputed	75	Mtr	Street Light			
6	MCB		2Amp 2P	Reputed	25	No.	Street Light			
7	Polycarbonate/ABS Enclosure		180x80x85 mm IP-6	Grapes/Trinity-touch	10	No.	Street Light			
<b>P</b>	<b>Assembly A16</b>		<b>Household wiring, electrification &amp; Material</b>				<b>Household</b>			
1	House						Household			115

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
2			Board Modular with 3 switch and 1 socket and 1 mcb modular		115	No.	Household			
3			Pvc Conduit 1 inch		230	Length	Household			
4			Matellic saddle for 1 inch Conduit pipe		1150	No.	Household			
5			Bulb Holder and screw		115	No.	Household			
6			Pvc Conduit L-band		345	No.	Household			
7			T-jointer for 1-inch Pvc Conduit		230	No.	Household			
8			PVC Gifti and Screw		345	No.	Household			
9			PVC tape (Red)		23	No.	Household			
10			PVC tape (Black)		23	No.	Household			
11			1 sq mm 1 core cable red		1150	Mtr	Household			
12			1 sq mm 1 core cable black		1150	Mtr	Household			
13			Flexible Pipe 0.75 inch		1150	Mtr	Household			
14			2.5 Inch keel		2300	No.	Household			
15			Yellow Ferrul for 1 sq mm cable		1150	No.	Household			
16			Lugs 1 sq mm pipe type		1150	No.	Household			
17			Rewiring for electrification		115	No.	Household			
Q	Assembly A17		Safety & Maintenance Tools				Safety & Maintenance Tools			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
1	Insulation Mat		2-meter width 2 mm thickness (single role of 30)	Reputed	30	Mtr	Safety & maintenance tools			
2	Fire bucket		Set of 4 Buckets with Stand	Reputed	3	No.	Safety & maintenance tools			
3	Fire Extinguisher		6 kg for Class A, B and C Fire Extinguisher	Reputed	3	No.	Safety & maintenance tools			
4	PPE kit		Gloves, gowns, shoe covers, head covers, masks, respirators, eye protection	Reputed	2	Set	Safety & maintenance tools			
5	Tool set box	GSB 550 XL	(Mechanic Kit) 550 W Drill	Bosch	1	Set	Safety & maintenance tools			
6	Ratchet set		Ratchet set	Reputed	1	Set	Safety & maintenance tools			
7	Screw driver Set			Taparia	1	Set	Safety & maintenance tools			
8	Multimeter		Clamp 1000A AC/DC 1000V	Rish	1	Set	Safety & maintenance tools			
<b>R</b>	<b>Project Management</b>									
1	Project Management		Project insurance for 3 years		3	Year	Project Management			

Sr. No.	Equipment/Component	Part No.	Specifications	Make	Qty.	UoM.	Category	Unit price in Rs.	Amt. in Rs.	Remarks
2	Project Management		Trained Man power for Installation & Commissioning charges 5 x Unskilled Labor, 5 x Semi Skilled Labor, 3 x Senior Technicians, 2 x Engineer, Project Manager		50	Days	Project Management			
3	Project Management		Project Manager		50	Days	Project Management			
4	Project Management		Installation Team Accommodation and Subsistence Allowance		50	Days	Project Management			
5	Project Management		Finance cost (1.5%*2 Months)		2	Months	Project Management			
6	Project Management		Risk		1	Lot	Project Management			
S	Transportation		3 trucks		3	No.				
	<b>Total Amount of the quotation</b>									
	<b>GST %</b>									
	<b>Total Amount of the quotation including GST</b>									