



DAYALBAGH EDUCATIONAL INSTITUTE

(DEEMED TO BE UNIVERSITY)

DAYALBAGH

AGRA 282005, U.P. (INDIA)

Phone: 0562-2801545; Fax: 0562-2801226

Website: -<http://www.dei.ac.in>

Tender No. **DEI/USIC/SPS-AKS/2021-22/TDR-9**

Date: 16/10/2021

Single Tender Inquiry

Subject: Purchase of Battery Energy Storage System (Jackson Make)

The request has been received from **Prof. Soami Piara Satsangi**, Dayalbagh Educational Institute to purchase the above item from **M/s Jackson Limited, New Delhi** on proprietary basis. The Proposal Submitted by **M/s Jackson Limited, New Delhi** and quotation and departmental PAC certificate are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/ item within 15 Days from the date of issue of this notice giving reference no. **Tender No. DEI/USIC/SPS-AKS/2021-22/TDR-9 dated 16-10-2021**. The necessary documents may be submitted to us in support of your intent/comments/objections for our consideration. The intent/comments/objections should be received by office of Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra (e-mail: registrar@dei.ac.in) on or before **30-10-2021** up to **04.00 pm** failing which it will be presumed that no other vendor has any comments to offer, and the case will be decided on the merit.

REGISTRAR

Encls: As above



JL/AS/Hybrid/12KW/2021/0365/RV/09

Date: AUG 13, 2021

M/s

KIND ATTENTION- Mr. Sunil Sandhir

SUBJECT: Offer for Supply of JAKSON make Hybrid Solution

Dear Sir,

We invite your attention with reference to email enquiry for your subject requirement. We are pleased to inform you that we are in a position to manufacture and supply the Hybrid System meeting your requirements.

We are now submitting our detailed offer as under for your reference and perusal:

1	Price Schedule	Annexure-I
2	Commercial Terms and Conditions	Annexure-II
3	Warrantee Terms	Annexure-III

We sincerely trust that you will find our proposal meeting your requirement & look forward to receive your valued order at an early date, which we assure will receive our prompt and careful attention always.

Thanking you,

Yours Sincerely,

For JAKSON LIMITED,

Ravindra Varshney

Jakson Group

Headquarters

A-43, Phase-11 (Extension),
Hoisery Complex,
Noida - 201305 (UP) India.

0120-4302600, 4526100
 0120-4302646, customer.support@jakson.com
 info@jakson.com
 www.jakson.com

Registered Office:

Jakson Group: A – 626, 6th Floor,
DLF TowerA, Jasola, New Delhi – 110076

011-65457615-17
 customer.support@jakson.com

Tollfree number : 1800 103 2600

ANNEXURE-I

PRICE SCHEDULE

Sl. No.	Particulars	Qty.	Amount in INR
1.	15KVA (12KW)BESS (BATTERY ENERGY STOTAGE SYSTEM). <ul style="list-style-type: none">• HYBRID INVERTER 12 KW• LITHIUM ION BATTERY 12 KW/48KWH• ENERGY MANAGEMENT SYSTEM (EMS)• HVAC SYSTEM.• INTERNAL CABLING• ENCLOUSER	1	18,50,000/-

THANKS & REGARDS
(For Jakson Limited)

Ravindra Varshney
Mobile: +91-9990182500
Website: www.jakson.com

ANNEXURE-II

COMMERCIAL TERMS AND CONDITIONS

1.	PRICES BASIS	Prices are Ex-works Noida
2.	GST / OTHER TAXES	Shall be charged Extra as applicable.
3.	FREIGHT & TRANSIT INSURANCE	Freight & Insurance: In Client's Scope.
4.	MARINE, STORAGE AND ERECTION RISK INSURANCE COVER	Marine, storage and erection insurance shall be to the buyer's account.
5.	DESPATCH	12-16 weeks from the date of receipt of technically and commercially clear order / approval of drawings along with advance, whichever is later.
6.	VALIDITY	Our offer is valid for a period of 90 days from the date of offer.
7.	TERMS OF PAYMENT	50% interest free advance along with PO. Balance against Proforma invoice (Plus 100% GST) before dispatch.
8.	STATUTORY VARIATIONS	All state taxes, levies like Octroi, Entry Tax, Municipal/Local Body Tax, Works Contract Tax etc. and statutory variations shall be to Purchaser's account.
9.	CHARGES FOR COMMISSIONING	We shall provide commissioning free of cost basis however unloading, shifting and installation shall be in client's scope.
10.	ENTRY PERMITS	Shall be provided by the purchaser if applicable.
11.	WARRANTY	<p>BESS System</p> <p>The components of the BESS system Set stand guarantee/ warranty of its respective manufacturer for a period of 60 months from the date of dispatch or 3000 cycles from the date of commissioning, whichever happens earlier.</p>

12	FORCE MAJEURE	Indications of delivery are given in good faith and we will not be responsible for delay in delivery due to war, fire, strikes, lockouts, power cuts, Acts of God, acts of public enemy, acts of Government, blockage, revolution, insurrection, civil commotion, terrorist activities, riots, floods, epidemics, quarantine restrictions, freight embargoes or other circumstances beyond our reasonable control. Modalities of the order for the job shall be discussed after receipt of formal LOI from your end.	
13	CONSTRUCTION POWER, IF REQD.	For erection of material at site water and electricity shall be provided by purchaser free of cost.	
14	GENERAL	a	All orders are subject to our acceptance in writing.
		b	All disputes are subject to Delhi jurisdiction only.
		c	It is subject to no claim for damages incidental and / or consequential.
		d	Offer is subject to general terms and conditions of sales.
		e	ARBITRATION: Any dispute arising out of an order / contract against this quotation, the same will be referred to sole arbitrator named by the seller as per the arbitration and conciliation act, 1996.
15	ORDER TO BE PLACED ON	JAKSON LIMITED Plot No.-11(E),Udyog Kendra, Ecotech-III, Greater Noida, Uttar Pradesh 201306	

Desired Specifications of the System

PCU (Power Conditioning Unit):-

Rating in KW	12 at 0.8 pf (15KVA)
Switching Element	IGBT
Output Waveform	Pure Sine Wave
Output Nominal Voltage	415V
Output Load Regulation	±2%
Output Frequency	50 Hz ± 1%
Load Power Factor	0.6 lag to 1(within kVA and Kw rating)
Inverter Peak Efficiency	>92%
THD with 100% linear load	<3%
Galvanic Isolation	Inbuilt isolation transformer at inverter output
Voltage Stability in dynamic Condition	Complies with IEC/ EN 62040-3, class 1

Battery System:-

Type of Battery	Lithium Ion
Rated Power	12kW at 0.8 pf (15 KVA)
Rated Energy	48KWH ±3%
Rated Voltage:	240V AC

Battery Management System (BMS):-

S No.	Parameters	Range
1	Voltage	220-260V
2	Current	0 -69A
3	State of Charge (SoC)	0-100%

Energy Management System:-

Power	+ 24V DC ±15%, 9.9 W Max
Bezel	IP66 rated Keypad and Touch Screen
Operating Temperature	0 to 50° C
CPU	32-bit RISC processor
Type of LCD	TFT
Communication Ports	Two serial ports (RS232 / RS422 /RS485 levels supported)
USB Host port	Supports USB Memory drive
Programming	supports programming languages as per IEC61131 standards
Bezel dimensions	195 W x 150 H x 50 D
Power Measurements- Grid/DG/Solar etc	kW, kVAR, PF, Phase & Line Voltages, Current & Frequency

Protections:-

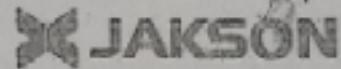
AC Protections	AC-Under/Over Voltages
	AC-Over Current protection
	Earth Fault protection
	Breaker Failure Protection
	Transient/Surge Protection
	Loss of Phase
	Synchronization Check Relay
DC Protections	DC-Under/Over Voltages
	DC-Over Current protection
	Ground Fault Protection
	Breaker Failure Protection
	Transient/Surge Protection
	Synchronization Check Relay

Display & Other features:-

Display parameters	Grid- Voltage, current, Power
	Inverter - Voltage , Current, Power, Frequency, Total load percentage
	Battery - Voltage, Current, Power, SOC
	Solar- Voltage, Current, Power
	Status- Load, Grid, Solar, Priority mode, temperature
	Fault- Last 5 fault
	System Information- System rating, Serial No., inverter and Display Software version
Led Indication	Grid, Grid Static Switch, Solar, Inverter, Inverter Static Switch, Battery, load and fault
Communication	RS485 MODBUS
Real Time Clock	Inbuilt Real Time Clock
Alarm	Faults And Warning
Configure	Modes, Parameter Settings from Display
Maintenance	Bypass Switch Available for maintenance

Terms and Conditions:

1.	Price Basis	FOR Agar
2.	GST etc	@ 5% included in the price
3.	Freight & Transit Insurance	Supplier's Scope
4.	Delivery & Installation	Within 4 weeks from the date of receipt of order.
5.	Offer Validity	Our offer is valid for a period of 90 days from the date of offer.
6.	Payment Terms	100% against delivery and installation.
7.	Statutory Variations	To be passed on to the Buyer
8.	Commissioning & other charges	Commissioning, unloading, shifting and installation shall be in supplier's scope.
9.	Entry Permit	If applicable, shall be provided.
10	Warranty	Warranty/Guarantee for various components of the BESS system Set should be for a period of 60 months from the date of commissioning.



Proprietary Certificate

To whomsoever it may concern

This is to certify that the **15KW-Battery Energy Storage System (BESS)-15KW** as quoted by us in our quotation no **JL/AS/BE55/15KW/2021/0316-R1** Dated March 23, 2021 is a Proprietary Product manufactured by M/s **JAKSON LIMITED** located at Plot No.-11(E), Udyog Kendra, Ecotech-III, Greater Noida, Uttar Pradesh 201306

We are the sole supplier of the Product in India. It is not manufactured by any other firms as the best of our knowledge.

Authority Signatory,

Mr. Ravindra Varshney

DGM-(Business Development)

JAKSON LIMITED

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