



ADDENDUM

Addendum No.01
Dated: 18.03.2024

Subject: Tender No.2CF/4P/0798/2023 for Supply, installation, commissioning of 2Phase UPS - 01 Job Due on 21-03-2024

all Respective Bidders,

As a result of deliberations by the procuring agency on its own motion, this addendum is being issued to provide following amendments to the bidding documents for the above mentioned procurement advertisement/subcontract on Railways & PPRAs websites also advertised in Print Media (Newspapers) under PHD (I) No 2307122-1500. All amendments shall be deemed to form a part of tender documents.

SECTION-V: SCHEDULE OF REQUIREMENT

The description specification of the subject tender is hereby amended to read as under:

Description Specifications

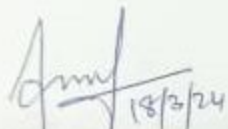
For: Existing

Read:

Line Item No.	Description/specifications/standards	Quantity	Unit	Delivery Period	Bid Month
1	Supply, installation, commissioning and successful operation of 1 phase UPS system including 30KVA ups With Dry Batteries of 12V, 100Ah Having backup time of 01 hour, cabling, rack and breaker etc. for making system operational As per detail below:	01 Job	Job	05 Days	
2	i. UPS POWER	01 No			Rs.700000
	Ups Output power Rating (0.9pf)		30KVA (minimum)		
	Topology		Double conversion, PWM, GND, online		
	Operating frequency		50/60 Hz		
	Frequency range		40-72Hz		
	Input power factor		0.90 to 0.99		
	Input Current Distortion		< 3%THD		
	ii. ELECTRICAL INPUT:				
	Input wiring		3 phase		
	Nominal input voltage		220/380, 230/400, 240/415 V 50/60 Hz		
	Input voltage range		-15%, +20% from nominal (400 V) at 100% load		
	Power walk-in		Yes		
	Reverse back feed protection		Yes		
	iii. ELECTRICAL OUTPUT:				
	Output wiring		3 phase		
	Nominal voltage rating (configurable)		220/380, 230/400, 240/415 V 50/60 Hz		
	Output voltage regulation		±1%, Static, < 3% dynamic at 100% resistive load change, < 20 ms response time.		
	Overload on inverter		10 min 102-125% load 1 min 126-150% load 500 ms > 151% load		
	Overload when bypass available		Continuous, < 115% load, 20ms 100% Peak current. Note: External bypass fuses may limit the overload capability.		
	iv. COMMUNICATION:				
	Interface /Communication ports		RS 232		
	Display		Graphical LCD with Blue Backlight		
	Audible Alarm		Yes		
	Communication Slots		Mini slots communication Bays		
	v. OPERATION ENVIRONMENT:				
	Running temperature		0-40°C		

Storage temperature	-25 ~ 55°C (with 500000h) +15°C to + 25°C (with 100000h)			
Humidity	5% ~ 95% (non-condensing)			
<u>TESTING STANDARDS:</u>				
Code	IEC 62040-2 or IEC 60300-4			
Quality	ISO 9001:2000, ISO 14001:1996			
<u>Usage: HUAWEI, Growatt or Equivalent</u>				
Quantity		Nos	60 Days	Rs.1760/-
Battery type	100Ah (VRLA type)	As per OEM requirement		
Backup time (min)	240min (with external batteries)			
Battery VCN	144V			
Discharge rate	0.1C (at 25°C)			
Efficiency	85% at 25°C			
<u>INSTALLATION, COMMISSIONING, AND ACCESSORIES</u>				
Site/On-site/Off-site/Offices		01 Job	60 days	Rs.8000/-
Provision of Manpower (With SSNIP, Modbus, Jbus, Relay, Thimbles)				
Consumables, Material, Tools				

Items as above/bidder required to quote/submit the Quotation accordingly.


18/2/24

(IQRA LATIF)

Assistant Controller of Purchase
for Managing Director

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