



48 DC~ 24 DC POWER SUPPLY ETC
INVITATION TO BID / INSTRUCTION TO BIDDER
OUR REQUEST FOR QUOTATION NO. MNT/RFQ/039/2026
TENDER CLOSING DATE 10.03.2026 TIME: 12:30 HOURS
TENDER OPENING DATE 10.03.2026 TIME: 12:30 HOURS

1. Please submit your lowest and firm quotation on EPADS with best delivery.
2. Required bid validity is 60 days from the closing date of RFQ.
3. RFQ will be publically opened at 12:30 Hours on the same day in our office at Piran Ghaib Road Multan. One representative of each bidder with Letter of Authority can attend the bid opening, if desired.
4. In case purchase order placed on you, you will be required to execute strictly in accordance with the terms and conditions of purchase order. In case terms and conditions violated we will have the right to cancel the purchase order or part as thereof, necessary.
5. If the purchase order on you or part thereof is cancelled, we will have the right to make purchases from other sources at your risk and cost, and difference will be recovered from you.
6. We reserve the right to increase / decrease the tender quantities or cancel this enquiry in whole or in part before tender opening should our requirement. In change in the meantime. After tender opening, the quantities may be increased / decreased by 15% of the tender quantities. However, decrease beyond 15% shall be subject to concurrence by the successful bidder.
7. Relevant, leaflets/brochures should accompany your quotation.
8. Instead of writing the word "Imported" please give exact brand/make / Country of origin of each item quoted by you.
9. All deliveries are to be consigned carriage paid to the address SNGPL Transmission Stores Piran Ghaib Road Multan.
10. Delivery challan (in triplicate) for each consignment should accompany the material.
11. Consignment will be received upto 12.30 P.M during summer on all working days and upto 3.00 P.M during winter on all working days of the week except Saturday & Sunday.
12. BID SECURING DECLARATION: - To be submitted as per SNGPL requirement.
13. Late Delivery Charges clause as mentioned in the terms & Conditions section will be applicable.

Schedule of Requirement (SOR)

Item No	Description	Brand/Make Country of Origin	Unit	Qty	Rate / Unit	18 % Gst	Total Amount	Delivery Period
01	DC TO DC 48 VOLT TO 24 VOLT, 10 AMP ISOLATED POWER SUPPLY		NOS.	7				Within 20 days at mentioned below sites.
02	220 VAC TO 24 VDC, 10 AMP, RTU CHARGER		NOS.	6				
Technical Specification attached as Annexure-A.					Grand Total:			

Terms & Conditions:

- 1) The material should be supplied as per technical specifications mentioned in the quotation/purchase order and must be brand new. Sub-standard / defective material will not be accepted.
- 2) Please mention your National Tax Number on the invoices to be submitted for payment.
- 3) DELIVERY: You will deliver the Ordered material within **20 Days** after receipt of purchase order at SNGPL Stores, Piran Ghaib Road, Multan, under intimation to us
- 4) The price of ordered material is inclusive of all applicable Govt Taxes/Duties, GST @ 18% However, the payment of sales tax will be made to you on submission of Sales Tax Invoices. We as per Sales Tax Special Procedure (withholding) Rules 2007, shall deduct an amount equal to 1/5th of the total sales tax value shown in the sales tax invoice issued by the supplier and make payment of the balance amount.
- 5) Payment will be made to you by our Accounts Department within 30 days after satisfactory completion of delivery as given in the purchase order and after receipt of your bills in Accounts duly marked your National Tax Number in duplicate supported with receipted copies of Delivery Challan(s) and copy of inspection reports.
- 6) If the materials, as given in the order have not been delivered within the delivery period given in the contract and as per stipulations in the contract except on account of Force Majeure, , Sui Northern Gas Pipelines Limited (SNGPL) shall be entitled to recover 1% (One Percent) of the total value (excluding Sales Tax) of the delayed part of material for each week of delay, by way of Late Delivery Charges and not by way of penalty subject to a maximum of 10% of the total value (excluding sales tax) of the delayed part of the material. The payment of such Late Delivery Charges shall not relieve the supplier from performing and fulfilling its obligations under the contract nor will the corresponding rights and entitlements of Sui Northern be affected or reduced in any manner. Whenever Late Delivery Charges become payable, SNGPL, in its sole discretion shall quantify the same and recover Late Delivery Charges through deduction from outstanding bills of suppliers directly by Accounts Department while making payment to supplier.
- 7) All other terms and condition of the RFQ and those which will be agreed through exchange of correspondence will integral part of purchase order.

	SUI NORTHERN GAS PIPELINES LIMITED		
	TECHNICAL SPECIFICATIONS DC to DC 48-VDC to 24-VDC, 10A ISOLATED POWER SUPPLY	23-Oct-2025	Page # 1 of 2

**TECHNICAL SPECIFICATIONS FOR
DC to DC 48-VDC to 24-VDC, 10A ISOLATED POWER SUPPLY**

- The bidder shall completely fill the right-hand compliance column of following specifications table and submit it along with the bid as **Statement of Compliance (SOC)**.
- The bidder shall fill offered model's exact value of the respective parameter in the compliance column.
- Each page of submitted "Statement of Compliance" shall be signed and stamped by the bidder.
- All the required features and manufacturer's detailed technical literature for each offered item, verifiable from the technical parameter values mentioned in the "Statement of Compliance" shall be specification/compliance table.
- All submitted Technical Literature shall be duly signed and stamped by the bidder.

Sr. No.	SNGPL REQUIREMENT	COMPLIANCE COLUMN (To be filled by Bidder with offered VALUE)
1.	Description The DC/DC converter/ power supply should be fully isolated for conversion of 48V DC to 24V DC 10 Amp and must be cap, able of regulating output voltage over a range of input voltages	
2.	Input Voltage range should be from 36VDC to 72VDC	
3.	Output Voltage should be constant at 24VDC for above range of input voltages	
4.	Peak current should be at least 10 amps for at least 5 minutes	
5.	Peak Wattage Should be at least 215-watts for at least 5 minutes	
6.	Continuous current rating Should not be less than 6-amps	
7.	Continuous power rating Should not be less than 150watts	
8.	Line regulation ±1%	
9.	Minimum output for rated voltage regulation >100mA	



10.	Load regulation ± 5% at terminal block	
11.	No load Overhead < 100mA	
12.	Efficiency Should not be less than 75%	
13.	Topology Should be fully isolated; transformer isolation forward converter topology	
14.	Isolation Input to output= 1500VAC for 1sec. Input to frame ground= 1500Vac for 1sec	
15.	Conversion Type Must be Switching Type Conversion.	
16.	Switching frequency Maximum 70-kHz	
17.	Input & Output Connections Screw terminal block	
18.	Protections 1) Low input drop 2) Input polarity protect 3) Input fuse 4) Output short circuit protect 5) Output current limit 6) Output over voltage protect	
19.	Operation temperature Should be 0 to 60-degC	

BID EVALUATION CRITERIA FOR
DC to DC 48-VDC to 24-VDC, 10A ISOLATED POWER SUPPLY

1. The lowest bid conforming to technical specs in Appendix-C shall be acceptable and considered for purchase order.
2. The bidder shall be authorized dealer/reseller for the offered brand in Pakistan and shall be capable of providing after-sale maintenance support.
3. The bidder shall provide following information for all the offered items:
 - a. Manufacturer and Brand name
 - b. Model
 - c. Part Number
 - d. Item-wise Country of Origin

	SUI NORTHERN GAS PIPELINES LIMITED		
	TECHNICAL SPECIFICATIONS 220 VAC TO 24VDC, 10 AMP SCADA RTU CHARGER		30-Oct-2025 Page # 1 of 2

TECHNICAL SPECIFICATIONS FOR
220 VAC TO 24VDC, 10 AMP SCADA RTU CHARGER

- a. The bidder shall provide compliance against each clause of following specifications and submit it along with the bid as **Statement Of Compliance (SOC)**.
- b. The bidder shall provide clause-by-clause commentary of offered model's exact value against respective parameter in SOC. Compliance sheet shall be filled with "Yes" or "No" only for those clauses where exact value is not applicable.
- c. Each page of submitted "Statement of Compliance" shall be signed and stamped by the bidder.
- d. The bidder shall submit the manufacturer's detailed technical literature for each offered item.
- e. All the required features and parameter values mentioned in the "Statement of Compliance" shall be verifiable from the technical literature.
- f. The bidder shall HIGHLIGHT all the technical and functional aspects covered in following specification/compliance table.
- g. All submitted Technical Literature shall be duly signed and stamped by the bidder.

1.1 TECHNICAL SPECIFICATIONS

The offered product shall be used to charge Lead-Acid (VRLA) and maintenance free gel type batteries and suitable for outdoor installation. The charger shall comply to following technical specifications:

- 1.1.1 **Input Voltage:** 220V AC, 50 Hz
- 1.1.2 **Output Voltage:** 24V DC (The charger shall be suitable to charge 2 x 100Ah, 24V battery bank)
- 1.1.3 **DC Output Current:** at least 15A
- 1.1.4 **Charging Modes:** Float charge, Equalizing charge, Boost Charge
- 1.1.5 **Charging Efficiency:** $\geq 85\%$
- 1.1.6 **Protection Features:** Over Charging, Over-voltage, over-current, short-circuit, and reverse polarity protection.
- 1.1.7 **LED indicators and Display:** The charger shall have LED indicators for status, fault and display to view charger parameters e.g. current, voltage, capacity etc.
- 1.1.8 **Certification:** ISO 9001, RoHS & CE certified.
- 1.1.9 **Dimensions:** Compact design for easy installation inside outdoor battery cabinets.
- 1.1.10 The offered product shall be industrial grade. Low quality, sub-standard product shall not be acceptable.



BID EVALUATION CRITERIA FOR
220 VAC TO 24VDC, 10 AMP SCADA RTU CHARGER

1. The lowest bid conforming to technical specs in Appendix-C shall be acceptable and considered for purchase order.
2. The bidder shall be authorized dealer/reseller for the offered brand in Pakistan and shall be capable of providing after-sale maintenance support.
3. The bidder shall provide following information for all the offered items:
 - a. Manufacturer and Brand name
 - b. Model
 - c. Part Number
 - d. Item-wise Country of Origin