



Pakistan State Oil Company Limited

PSO House, Khayaban-e-Iqbal, Clifton, Karachi-75600, Pakistan
Telephone (021) 9203866-85 Fax (021) 9203796

PAGE

1	OF	2
RFQ No	OP-19905YP	
DATE	17.08.2026	

REQUEST FOR QUOTATION

(THIS IS PRICE ENQUIRY-NOT AN ORDER)

SAP No.6100017877

Company PSO Dummy Vendor
PAKISTAN

QUOTATION REQUIRED

ON
(Date)

01.09.2026

BY
(Time)

Please quote your best price for all items of following specifications. Please read the instructions attached herewith Rs. _____ EARNEST MONEY %
PO/DD NO. _____

Title: Supply of HSD pipeline cathodic protection system Transformer and rectifier Unit at Machike Terminal.

S.No.	Description/Specifications	Location	Unit	Qty	Unit Price Rs.	Amount Rs.
1	<u>TRANSFORMER RECTIFIER</u> Transformer-Rectifier Data Sheet. Input Outputs 200-230V 1Ph 50Hz Adjustable output 0~max Volts DC at max Amps (each Channel 50VDC 15A). Type Cooling Ambient Indoor, pad mounting. AN (natural convection air cooled). 45#C. maximum temperature. Control/Channel. DC output will be variable from 0 to 100% by phase angle control of a Thyristor rectifier. The equipment incorporates method to Manual voltage control by operation of a potentiometer. Protection/Channel. Equipment is protected against over current and over voltage conditions by the following devices: - a) AC input thermal/magnetic circuit breaker. b) MCB at each channel DC output. c) DC output surge arrester. d) Fuses at AC input, DC Output as well as for DC Voltmeters(>,<)> e) Electronic current limit circuit which is factory pre-set at rated output of equipment. Meters/Indication. Equipment is supplied complete with the following meters(>,<)> Transformer Rectifiers a) Pilot light (Red) to indicate AC power supply #ON"	<u>Machike</u> <u>(Inst.)</u>	<u>EA</u>	1		



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	b) DC voltmeter, direct reading scaled 0 # max DC voltage. c) DC ammeter, shunt operated with 0#75mV input, scaled to read 0 # max current. Shunt is brass ended panel mounted type and is rated at 75mV at max rated DC output. Core type double wound with earthed screen between windings. Transformer is of high conductivity winding material on low loss steel core and is varnish impregnated and oven baked coils assembly after winding. Thyristors and diodes mounted on extruded aluminum heat sinks, bridge connected for full wave rectification. Filters Thyristor controlled rectifiers, when operating at below maximum output, exhibit high levels of A.C. ripple in the D.C output. EWR Thyristor controlled equipment is fitted with a ripple reduction filter which reduces this A.C ripple to a maximum of the rated D.C output. Enclosure Epoxy powder coated RAL7032, 1.5~1.75mm thick MS floor mounted cabinet, output measuring meters<(>,<)> light at front<(>,<)> Ingress Ingress protection category IP40 Terminals Equipment is arranged with AC input terminals & DC output terminals at each terminal will be heavy duty brass bolt type at front.					