

Ministry of Electricity
General Directorate of Electrical
Energy Production in Nassiriyah

جمهورية العراق



وزارة الكهرباء
المديرية العامة لإنتاج الطاقة الكهربائية
في الناصرية
قسم الشؤون التجارية
Nass_comm@yahoo.com

العدد: ٢٦٦
التاريخ: ١٢ / ٣ / ٢٠١٥

ترشيد استهلاك الكهرباء ظاهرة حضارية

SUB: /Advertising Tender No. 4M/2015

The General Directorate of Electrical Energy Production Nassiriyah is advertising tender to Supplying Current Transformer 132 kv for Nassiriyah Steam Power Station according to the specifications and general conditions as attached .So those who want to participate ,should consult Commercial department to buy the tender conditions for non-refundable amount of (250000ID) and submit primary insurance amounting to 1% of the guessing amount issued by accredited bank in Iraq .This tender is included within world Bank allocations , Knowing that the guessing amount is (1000000\$) one million dollars . The deadline of receiving offer is the official work day (Tuesday) dated 5/5/2015 at 12 pm where offers open in the same day the offer submitter must be attend & sign the conquest forms .

Our Directorate is not obliged to accept the lowest offer

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Jamal Gulam Ali

General Director/Agency

وزارة الكهرباء

CT - Oil Current Transformer

132 kV

Quantity

45PCS

Standard	IEC 60044-1		
Altitude	≤ 1000 m		
Ambient temperature	-10° C to +55° C		
Rated voltage (between phases)	132 kV		
Maximum voltage (between phases)	145 kV		
Power frequency	50 Hz		
Power frequency withstand voltage dry	275 kV		
Power frequency withstand voltage wet	275 kV		
Lightning impulse withstand voltage (BIL)	650 kV		
Switching impulse withstand voltage (SIL)	N/A kV		
Rated primary current	3200 A		
Rated continuous thermal current factor	1.2 I _{pn} / 1.2 I _{sn}		
Thermal short time current	50KArms/3sec		
Dynamic short time Current	125KA peak		

Ratio Change Mean

Secondary taps

	I _{pn} {A}	I _{sn} {A}	{VA}	Class	FS/ALF	R _{ct} ≤{Ω}	E _k (V)	I _ε (A)
Core 1	3200	1	50	0.5	5			
	1600	1	50	0.5	5			
	1200	1	50	0.5	5			
	600	1	50	0.5	5			
Core 2,3,4,5,6	3200	1	50	5P	20	10		
	1600	1	50	5P	25	5		
	1200	1	50	5P	35	4		
	600	1	50	5P	35	2		

Insulator	Porcelain - Brown
Creepage distance	4 495 mm (31mm/kv Based at Um=145 kv)
Sparking distance	1 400 mm
Primary terminal	Aluminum NEMA pad 4 holes
Secondary terminals	Terminal blocks 10 mm ² with short circuit possibility
External grounding terminal	Aluminum flat pad
Steel Structure	Yes
Drawing	As The Attached Drawing



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Handwritten signature and date: ١٤/١١/١٥

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HIGH VOLTAGE CURRENT TRANSFORMER

1-Technical Specifications:

According to the technical specification attached here (2 Page).

2-Site Condition.

Ambient Temperature	
Maximum peak	55°C
Maximum daily average	45°C
Maximum yearly average	35°C
Lowest minimum	-10°C
Sun temperature in direct sunlight	80°C
Humidity	
Maximum Relative	92%
Minimum Relative	12%
Yearly Average	38-44%
Maximum Design Wind Speed (Equipment/structures at height 10m above ground)	145km/hr.
Altitude Level above sea level	< 1000m
Rain Fall	
Max. per year	500mm
Min. per year	50mm
Max in one day	72mm
Yearly Average	150.8mm
Seismic Factor	As UBC Zone 3

3-FAT Witnessing and Training: The factory Acceptance test should be performed according to IEC routine and special test in the presence of the third party inspector and ~~5~~ Specialist of the End to attending the FAT and training on the site tests and required commissioning procedures of the 132KV CT in the factory of origin .

4-Documents: The following Documents should be submitted (shipped) with the supplied materials

4.1-Technical documents (Technical specification, operating, maintenance and testing instruction manuals)

4.2-Dimension drawings.

4.3-Routine and special test Report (FAT report).

4.4-3rd Party (Inspector) Report.

5- Supply (CIP Site): of brand new equipment & materials shown in the shedualNo1

6- Supply duration: 8 Month

7-Guaranty: 18 Month since delivery or 12 month since putting in operations which come first.

8-ORIGIN: Germany ,France ,Spain and Sweden.



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