



PROFORMA INVOICE

Seller: Business Net House 131, Murthkay Shahab, KM 17th, Erbil Kirkuk Highway Next to Sun Oil Petrol Station, Kurdistan-Iraq Email: busnethouse@gmail.com		Proforma Invoice Number: PI-03-23-740								
Bank Details: Bank Name: ERBIL BANK FOR INVESTMENT AND FINANCE Bank Address: Khanaqa Street Area, Arasat Al-Hindya Area, ISKAN MAIN ST. 465 Q. 95 - SR.3 20 384 ERBIL Account No. 19927 Swift:		Proforma Invoice date: 2023-03-07	Validity: 2023-12-06							
Partial Shipment: <input type="checkbox"/> Not allowed <input checked="" type="checkbox"/> Allowed		Buyer's Commercial Card : 14000081360	Seller's reference: TRANSFORMER							
Transport mode & means: Sea Freight		Buyer: South Rouhina Steel Complex 7th KM Dezful-Shoushtar Road, Dezful City, Khuzestan Province, Iran Tel: +982191004433 TRN No.	Country of Beneficiary : Kurdistan - Iraq							
Port of discharge: Bandar Abbas, Iran		Country of Orgin: China	Place of Destination: Bandar Abbas, Iran							
Shipping marks:		Terms of Delivery: CFR Bandar Abbas	Relevant Location: Shanghai Port, China							
Port of Loading: Shanghai Port , China		Terms of Payment: CAD	Transaction Currency: EUR							
Final Delivery Place: Bandar Abbas		Commodity	Total Wt (kg)							
Transport unit ID	No.and kind of packages	Commodity	Size (cm)							
	Body Naked, other components packaged by wooden case	Mechanical & electrical equipment, EAF Transformer and Auxillary	115,960.00							
		Total	115,960.00							
No. and Kind of standard:										
No	Description	Gross WT (Kg)	Net WT (Kg)	QTY Set	Unit Price EUR	Total (EUR)	Discount (EUR)	Gross Total (EUR)	VAT % Value	Net Total (EUR)
1	Mechanical & electrical equipment including design and engineering : Auxiliary equipment , electric ARC Furnace transformer. HS Code: 84552100 Contract No. GPOBV00 PART OF L/C (CR) NO. CEN/92110213	115,960.00	114,755.000	1.00	1,492,402.000	1,492,402.00	-	1,492,402.00	- 0.00	1,492,402.00
Total		115,960.00	114,755.000					1,492,402.00	-	1,492,402.00
Note: Exchange rate from EUR to AED Value of Invoice in AED Total Gross Weight: 115,960.00 kgs, Total Net Weight: 114,755.00 kgs (+/-3%) No. of Packages: Shipment : To be done by the Seller Total Amount: EUR ONE MILLION FIVE HUNDRED SEVENTEEN THOUSAND FOUR HUNDRED TWO ONLY						Total amount (EUR)		1,492,402.00		
						Freight Charges (EUR)		25,000.00		
						Add:- VAT @ O/S		-		
						Total (EUR)		1,517,402.00		
It is hereby certified that this proforma Invoice shows the actual price of the goods described, that no other Proforma Invoice has been or will be issued , and that all particulars are true and correct.						NAME OF SIGNATORY: Business Net House PLACE AND DATE OF ISSUE: Erbil, 07/03/2023 SEAL AND SIGNATURE:				

Item	Description of the goods.	Quantity
1	33KV, 70 MVA EAF Transformer, 50 Hz, Ddo connection. Special Test: -Temperature rise test	1 Set
2	Option Item: On-line gas monitoring device (type Hydran 201 TI GE China)	1 Set
3	Spare Parts for commissioning and two-years operation	1 Set

TECHNICAL DATA

Equipment code	TBD													
Quantity of transformers to be supplied	1													
Transformer type	Mineral oil – immersed													
Number of phases	3													
Cooling system	OFAF													
Short circuit fault level at 33kV for design scope	1200 MVA ⁽¹⁾													
Max. time of short circuit duration	2 s													
Max. over excitation at on and no load	10%													
Rated primary voltage	33000 V													
Rated frequency	50 Hz													
Rated power	70 MVA													
Overload	10 %													
Load cycle (worst condition)	Continuously at 70 MVA and with cycle 44 min at 110% – 13 min at 0% or equivalent ⁽¹⁾ [also Continuously at 77 MVA]													
Short circuit voltage referred to rated power at maximum secondary voltage	8 %													
Secondary voltage range (Vmax-Vmin)	959 – 542 V ⁽²⁾													
Second. voltage range at full power (Vmax-Vref)	959 – 871 V ⁽²⁾													
Secondary voltage range at constant sec. current	871 – 542 V ⁽²⁾													
Max. secondary current included overload	51.04kA													
Typical harmonic generation by the furnace, referred to the max transformer current: integration time 3sec., harmonic currents rms value at 95% of daily distribution function (according to IEC std.) ⁽³⁾														
Harm. order	2 ⁿ	3 ⁿ	4 ⁿ	5 ⁿ	6 ⁿ	7 ⁿ	8 ⁿ	9 ⁿ	10 ⁿ	11 ⁿ	12 ⁿ	13 ⁿ	14 ⁿ	≥15 ⁿ
Percentage	7.5	7	3.5	4.5	2	2.5	1.3	1.2	1	1	0.8	0.8	0.7	≤0.5
Winding connection	Primary							Secondary						
	Star							Delta open						
Insulation class	A							A						
Type of insulation	Fully uniform							Fully uniform						
Rated insulation level	36 kV							3.6 kV						
Rated power freq. Short duration voltage 1min	95 kV (*)							10 kV (*)						
Rated lightning-impulse withstand voltage	250 kV (*)							40 kV (*)						
Number of terminals	3 ⁽⁷⁾							3X6 (Copper plate)						
Winding material	Cu							Cu						
Type of terminals	Bushings on top of tank with flange type connectors ⁽⁴⁾							Copper plates on top of tank according to ⁽⁵⁾						
Bushing creepage distance	≥ 25mm / kV													
Tap changer	On-load, motor operated													
Type of secondary voltage regulation	Booster Regulation ⁽⁸⁾													
Number of tap positions	17 ⁽²⁾													
Number of tap positions at full power	5 ⁽²⁾													
Induct overvoltage	2 × rated voltage													
Secondary current overload	2 × max current for 20 s every 10 min. or equivalent rms													
Max. overtemperature of winding at rated power	50 °C													