

RAYCO TRADING CO. PTE. LTD.

(Engineering, Construction & Oilfield Services)
BLK 643, #02-30, PASIR RIS DRIVE 10, SINGAPORE 510643
TEL : 65-64411801, FAX : 65-64411090
Email : ghchua@raycotrading.com

PO NO. 4500168578

JANUARY 10, 2018

TO : P.T. TRAKINDO UTAMA SINGAPORE BRANCH
6 TUAS AVENUE 2, SINGAPORE 639446

REVISION 1

ATTN. : MR. NASIR M. SALI – POWER SYSTEM SALES MANAGER

REF. : PURCHASE ORDER NO. 4500168578

WE HEREWITH WISH TO PLACE OUR REVISED PURCHASE ORDER NO. 4500168578 BASED ON MR. ZHANG ZHENG EMAIL DATED OCTOBER 17, 2017 AND THE RESULT OF KICK OF MEETING AT FIELD TANJUNG ON NOVEMBER 27, 2017 FOR THE FOLLOWING:

MERCHANDIZE

ITEM	QTY.	UNIT	DESCRIPTION	UNIT PRICE (US\$)	TOTAL PRICE (US\$)
1	2	UNIT	BI-FUEL ENGINE GENERATOR SET CAPACITY 1600 KW	750,000.00	1,500,000.00
	2	UNIT	CONSIST OF: GAS ENGINE GENERATOR SET 1600 KW (PRIME RATING), 6.6 KV, 3 PHASE, 50 HZ C/W ACCESSORIES. BRAND AND TYPE : CATERPILLAR 3516B WITH DYNAMIC GAS BLENDING LOW BSFC, LOW EMISSION CONDITION : BRAND NEW, MINIMUM YEAR OF MANUFACTURE 2017 TYPE : OPEN TYPE CAPACITY : 1600 KW (2000 KVA) PRIME RATING : MINIMUM 1400 KW (1750 KVA) CONTINUOUS ON SITE RATING MUST BE ACHIEVED. VOLTAGE : 6.6 KV NUMBER OF PHASE : 3 PHASE FREQUENCY : 50 HZ RPM : 1500 RPM POWER FACTOR : 0.8 COOLING SYSTEM : MOUNTED RADIATOR : PIPING AND VALVE COOLING SYSTEM FUEL SYSTEM : GAS AND DIESEL WITH COMPOSITION RATIO MINIMUM 50% GAS MOUNTING SYSTEM : SKID BASE UNTUK ENGINE & GENERATOR COMPLETE WITH VIBRATION DAMPENER		



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			COMPLETE : FUEL OIL FILTER WITH		
			GAS SYSTEM : GAS REGULATING UNIT		
			EXHAUST : EXHAUST SILENCER SYSTEM SYSTEM : FLANGE AND EXHAUST EXPANDER : FLEXIBLE FITTING		
			CONTROL : ADEM A4 ECU SYSTEM		
			CONTROL : INTEGRATED CONTROL PANELS : PANEL (MODULE CONTROL PANEL) : CATERPILLAR DIGITAL VOLTAGE REGULATOR (SHIPPED LOOSE) : ENGINE INITIATED SHUTDOWNS FOR LOW OIL PRESSURE, HIGH COOLANT TEMPERATURE, HIGH OIL TEMPERATURE, OVERSPEED, OVERCRANK, EMERGENCY STOP : PROGRAMMABLE PROTECTIVE RELAYING FUNCTIONS: UNDER/ OVER VOLTAGE, UNDER/ OVER FREQUENCY, OVER CURRENT, REVERSE POWER. INCLUDING CONTROL AND INSTRUMENTATION CABLE TO EXTERNAL AUTOMATION SYSTEM		
			LOCAL : DGB SYSTEM AT EMCP 4.4 CONTROL : WITH MAXIMUM COMPOSITON PANEL : GAS BLENDING 70%		
			LOAD SHARING : 2301E (DIGITAL TYPE) GOVERNOR		
			CONTROL : LOAD SHARING GOVERNOR SYSTEM		
			AIR INLET : AIR CLEANER; INTERMEDIATE DUTY WITH SERVICE INDICATOR		
			GENERATOR : CLASS H INSULATION : PERMANENT MAGNET EXCITATION (PMG) : CLASS H TEMPERATURE RISE : IP22 PROTECTION		



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			: DOUBLE BEARING, FRONT AND REAR BEARINGS : COMPLETE WITH 6 DIFFERENTIAL CT AND 1 CROSS COMPENSATION CT (CT DROOP) STARTING/CHARGING : 4 UNITS BATTERY 12 VDC CAPACITY 190 AH : BATTERY RACK/FLOOR : BATTERY DISCONNECTING SWITCH OTHERS : FAST MOVING PARTS FOR 1 YEAR (CONTINUITY) FOR EACH UNIT SCOPE OF SUPPLY INCLUDE THE FOLLOWINGS : - ALL MATERIAL AND DRAWING (GENSET AND RADIATOR) MUST BE APPROVED BY PERTAMINA. PLEASE SEND US YOUR MATERIAL LIST AND DRAWINGS IMMEDIATELY FOR PERTAMINA'S APPROVAL - TIME SCHEDULE INCLUDING BAR-CHART, S-CURVE OF THE SUPPLIED GENSET MUST BE PROVIDED ALONG WITH ITS PROGRESS REPORT - ALL DOCUMENTATION RELATED TO THE GAS GENSET REQUIRED FOR SKPP CERTIFICATION - TRAINING AT TRAKINDO'S OFFICE FOR 4 (FOUR) PERSONELS AND ONSITE OPERATION TRAINING FOR 5 (FIVE) DAYS - COMMISIONING AT FIELD TANJUNG MUST BE CONDUCTED BY QUALIFIED TECHNICIAN - FACTORY ACCEPTANCE TEST (FAT) AT CATERPILLAR'S FACTORY IN USA. FAT PROCEDURE & ITP PLAN MUST BE PROVIDED AT LEAST 1 (ONE) MONTH PRIOR TO FAT DATE. - SITE ACCEPTANCE TEST (SAT) MUST BE CONDUCTED BY CATERPILLAR'S/TRAKINDO'S TECHNICIAN AT FIELD TANJUNG. SAT PROCEDURE MUST BE PROVIDED AT LEAST 1 (ONE) MONTH PRIOR TO SAT DATE. - UPON DELIVERY, THE FOLLOWING DOCUMENTS MUST BE PROVIDED: 1. PART BOOK CATALOGUE ORIGINAL (3 SETS HARDCOPY AND 2 SETS SOFTCOPY) FOR EACH UNIT 2. SERVICE MANUAL BOOK ORIGINAL (3 SETS HARDCOPY AND 2 SETS SOFTCOPY) FOR EACH UNIT 3. OPERATION & MAINTENANCE (3 SETS HARDCOPY AND 2 SETS SOFTCOPY) FOR EACH UNIT		



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			4. CERTIFICATE OF CONFORMANCE FROM MANUFACTURE 5. CERTIFICATE OF ORIGIN 6. WARRANTY CERTIFICATE FOR GENSET AND THE INSTALLED DYNAMIC GAS BLENDING COMPONENTS/KIT FOR 12 MONTHS AFTER COMMISSIONING OR 18 MONTHS INCLUDING AFTER GOODS ARE ACCEPTED AT PERTAMINA'S LOCATION, WHICHEVER IS EARLIER 7. LOAD BANK TEST REPORT FROM MANUFACTURE. 8. ENGINE PERFORMANCE TEST 9. AS BUILT DRAWINGS FOR THE SUPPLIED GENSET AND ITS DGB		

TOTAL FCA SINGAPORE (SHIPPED INSIDE SOC CONTAINERS)

US\$ 1,500,000.00

NOTE:

1. THE EQUIPMENT SUPPLIED MUST BE BRAND NEW WITH MINIMUM YEAR OF MANUFACTURE 2017
2. PLEASE PREPARE ALL DOCUMENTATION ACCORDING TO THE ABOVE SPECIFICATION TO AVOID DISCREPANCY AND PROBLEM WITH THE CUSTOMER.
3. COUNTRY OF ORIGIN OF THE SUPPLIED GENSET MUST BE U.S.A.

DELIVERY TERMS:

DELIVERY OF THE EQUIPMENT AND ALL DOCUMENTS HAS TO BE MADE LATEST BY JUNE 19, 2018 TO OUR APPOINTED FORWARDER IN SINGAPORE. LATE DELIVERY IS SUBJECT TO PENALTY OF 0.1% PER DAY UP TO 5.0 % MAXIMUM. PLEASE INFORM US 2 (TWO) WEEKS PRIOR TO READINESS OF THE GOODS SO THAT WE CAN INFORM YOU OUR APPOINTED FORWARDER WHO WILL ARRANGE SHIPMENT TO INDONESIA AND WE WILL ALSO PROVIDE THE DELIVERY INSTRUCTION. WE RESPECTFULLY REQUEST YOUR COOPERATION TO EXPEDITE THE DELIVERY TO BE MADE EARLIER THAN JUNE 19, 2018 TO HELP US MEET THE TIGHT DELIVERY DATELINE.

MARKINGS:

PT. PERTAMINA EP ASSET 5
FIELD TANJUNG, INDONESIA

DELIVERY:

PARTIAL DELIVERY IS NOT ALLOWED.

FACTORY ACCEPTANCE TEST (FAT)

PERTAMINA WILL CONDUCT FAT OF THE SUPPLIED BI-FUEL ENGINE AT CATERPILLAR FACILITY IN USA. PLEASE ADVISE AT LEAST 1.5 (ONE AND A HALF) MONTH PRIOR TO THE FAT DATE SO THAT WE CAN INFORM PERTAMINA'S OFFICIALS ACCORDINGLY. PLEASE NOTE THAT PERTAMINA OFFICIALS TRAVEL COST WILL BE BORNED BY THEMSELVES.



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CERTIFICATE:

ALL THE REQUIRED CERTIFICATES AND DOCUMENTATION STATE ABOVE SHALL BE ADDRESSED TO PT. PERTAMINA EP ASSET 5 FIELD TANJUNG, INDONESIA SHOWING PURCHASE ORDER NO. 4500168578 AS REFERENCE.

PLEASE SEND ALL THE CERTIFICATES AND INVOICE TO PT BUDI ARTA SAKTI, GANDARIA 8 OFFICE TOWER, 10TH FLOOR, UNIT I, JL. SULTAN ISKANDAR MUDA, KEBAYORAN LAMA, JAKARTA SELATAN

PAYMENT:

- 10% DOWN PAYMENT HAD BEEN PAID ON OCTOBER 13, 2017
- 90% PRIOR TO DELIVERY

PLEASE TREAT THIS DOCUMENT AS AN OFFICIAL PURCHASE ORDER AND CONFIRM YOUR ACCEPTANCE BY RETURN E-MAIL.

REGARDS,

G.H CHUA



Widjanarko Hidaja
General Manager

A handwritten signature in black ink is written over a circular blue ink stamp. The stamp contains the text 'PT. TRADING COMPANY SINGAPORE BRANCH' around the perimeter.