

## **Section VI      -      Technical Specifications**

### **Part I - Technical Specifications**

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## Section VI - Technical Specifications

### Part I - Technical Specifications

#### TS-1.0 GENERAL

This specification covers the features and technical requirements for the **SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL SPARE PARTS FOR MECC ALTE ALTERNATOR SYSTEM FOR KALAMANSIG DPP.**

All supplied spare parts shall be new and unused. They shall be suitable for the intended purpose and shall comply with all applicable regulations, quality, and dimension standards.

The Supplier shall accept full responsibility for his work including documentation, preparation for shipment, inspection, warranty provisions and compliance with the applicable codes and standards and the requirements of this Specification.

#### TS-2.0 SCOPE OF WORKS

The scope of work shall cover the **SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL SPARE PARTS FOR MECC ALTE ALTERNATOR SYSTEM FOR KALAMANSIG DPP.**

##### Schedule of Requirements of Spare Parts

ITEM	DESCRIPTION	PART NO.	QTY.	
1	AVR AUTOMATIC VOLTAGE REGULATOR AVC63-12		6	PC
	POWER: SHUNT EXCITED			
	INPUT: 180-280 Vac, 50/60Hz			
	Single or Three Phase, PMG EXCITED 65-105Vac, 100/240Hz, 3phase			
	Sensing Input: 180-280Vac, 50/60Hz, 1 or 3 Phase CT			
	Input: 1 or 5AACC input: +/-3Vdc, output:65			

#### TS-3.0 DELIVERY PERIOD AND LOCATION

The delivery period shall be **NINETY (90) CALENDAR DAYS** reckoned from receipt of Notice to Proceed.

The spare parts shall be delivered to **NATIONAL POWER CORPORATION,  
MOD WAREHOUSE MINTAL, DAVAO CITY.**

The Supplier shall be responsible for visiting the site and take particular reference to its accessibility, means of communication and transportation, and all other factors that could hamper the smooth execution of the contract.

Any and/or all expenses arising through the lack of knowledge or understanding regarding the existing conditions of the site shall be the responsibility of the Supplier and no additional payment thereof shall be made by NPC.

#### **TS-4.0 ACCEPTANCE CRITERIA**

The Supplier shall perform at his own expense all inspection required to ensure adequacy of design, material, workmanship and conformance of the supplied spare parts to the requirements of the specifications and standards.

Necessary inspections at the place of delivery shall also be conducted with the presence of NPC representative.

Upon arrival of spare parts at delivery site, NPC and the Supplier or their authorized representatives, shall jointly verify the spare parts following the steps below:

- a. Inspection and verification of the packing list;
- b. Visual inspection of the condition of the packing and its surfaces; and
- c. Partial opening of the crates and plastic sheet protection of spare parts to verify the content and its physical condition and to check pilferage or damage during shipment and storage.

A record shall be prepared carefully noting all eventual shortages, defects or damages, signed by the Supplier and concurred by NPC. All shortages and damages noted shall be immediately replaced by the Supplier at his own cost and shall ensure the timely delivery of replacement without affecting the agreed overall contract implementation schedule.

Acceptance certificate shall be issued only after all the required inspection and verification are satisfactorily conducted and performed.

If any spare part fails to pass the inspection, NPC may at his own judgment, direct the Supplier to replace the spare parts.

#### **TS-5.0 DRAWINGS AND DOCUMENTS TO BE SUBMITTED**

- a. To be submitted with the bid

a.1 Completely filled-out Technical Data Sheets.

a.2 "Warranty" Certificate for one (1) year against factory defects/workmanship.

b. To be submitted before/ during delivery of spare parts

b.1 “Certificate of Origin” from the Manufacturer.

b.2 “Warranty” Certificate for one (1) year against factory defects/workmanship.

#### **TS-6.0 GUARANTEE**

The Supplier shall guarantee the replacement of the supplied spare parts at his own expense against defect in design, workmanship and materials for a period of one (1) year after acceptance by NPC.

The Supplier shall submit a Warranty Certificate (at least 1 year) effective from the date of acceptance by NPC.