

Annex-A Technical Specifications

RFQ-HCR-SYR-2024-72

FOR SUPPLY, DELIVERY AND INSTALLATION OF 60KVA/50KW GENERATOR FOR UNHCR OFFICE IN SWEIDA- SYRIA.

Objective of the project:

Supply, Delivery and Installation of 60KVA/50KW generator, including all necessary equipment, accessories, transportation, lifting and cabling.

Location:

UNHCR Office in Sweida City, Qanawat Road, Alhuria Neighborhood, Nassib Hatoum Street, 3rd Avenue- Sweida – Syria

Requirements:

- Brand-new Electrical generator; capacity: 60 KVA; Engine (diesel, Key start / auto start, Prime Power: 60KVA/50KW, Standby Power 66KVA/55KW, cooling type: water cooled, speed: 1500 rpm), Alternator (3 phase, 380 V, 50 Hz, 4 poles, IP: 23, power factor: 0.8, windings: 100% copper), control panel (model year after 2023, automatic engine starting & stopping, automatic shutdown on fault condition, alarm channels: Under/Over speed, Charge alternator failure, Emergency stop, Low oil pressure, High engine temperature, Fail to start, Loss of speed sensing signal, Metering: Volts, Amps, Frequency Hz, Engine Speed RPM, Engine Oil Pressure, Engine Temperature, Plant Battery Volts, Engine Hours Run.
- Weather and sound-proof canopy: manufactured with a steel outer skin, and is lined with fireproof, acoustic material, min. 75db / 3m, locking doors.
- Automatic changeover/transfer switch (ATS): With Capacity according to the capacity of the generator, Type of operation: Auto. & Manual, 4 poles, Components: Relays, Contactors, Auxiliaries, Timers, Reader, Phase failure, Lamps, Selectors, Emergency stop,
- Cabling: Provision and installation of Cable 4x50 Sqm NYY, Cu/ PVC shield and PVC filling with all accessories (lugs, glands, and Etc.) and the required length, (20 m)
- Provision and installation of Breaker MCCB 3 Phase, 3 Poles (Brass), capacity 125 A, within the metal panel and all accessories (lugs, glands, and Etc.), the new ATS should work with existing ATS of backup generator.
- Provision and installation of changeover Breaker 3 Phase, 4 Poles (Brass) 125 A, with all accessories (lugs, glands, and Etc.)
- Provision and installation of metal Panel suitable for MCCB breaker and changeover breaker and indicator lamps, thickness 1.5 mm at least Thermal paint with metal lock and rain cover.

- Installation service: Required, including all accessories (turnkey operation): (Location: UNHCR Office, As-Suwayda Governorate – Syria)
- Testing on site: Required.
- Genuine Spare parts kit for a minimum of 8000 hrs of operation: 8 air filters, 40 fuel filters, 40 oil filters.

General conditions:

1. The project is considered as one package; therefore, partial offers are not accepted, and the project obligations may not be distributed among more than one bidder.
2. All cables must run through plastic tubes or cable trays.
3. The period of supply, installation, and operation is /30/ days.
4. All appliances offered must be from reputable companies that are widely acclaimed in this field.
5. The warranty period is minimum **two (2) years** starting from the date of the receipt, covering manufacturing defects, mal connections, and any problems resulting from them.
6. The bidder should have a maintenance center with a highly qualified technical team for carrying out the installation work and performing maintenance throughout the aforementioned warranty period.
7. All appliances must be brand new and non-refurbished, of high reliability (heavy duty), and designed to operate around-the-clock.
8. **All circuit breakers must be genuine, high-quality products from a reputable manufacturer.**

Bill of Quantities			
#	Item	Unit	Quantity
1	Brand-new Electrical generator; capacity: 60 KVA; Engine (diesel, Key start / auto start, Prime Power: 60KVA/50KW, Standby Power 66KVA/55KW, cooling type: water cooled, speed: 1500 rpm), Alternator (3 phase, 380 V, 50 Hz, 4 poles, IP: 23, power factor: 0.8, windings: 100% copper), control panel (model year after 2023, automatic engine starting & stopping, automatic shutdown on fault condition, alarm channels: Under/Over speed, Charge alternator failure, Emergency stop, Low oil pressure, High engine temperature, Fail to start, Loss of speed sensing signal, Metering: Volts, Amps, Frequency Hz, Engine Speed RPM, Engine Oil Pressure, Engine Temperature, Plant Battery Volts, Engine Hours Run. Weather and sound-proof canopy: manufactured with a steel outer skin, and is lined with fireproof, acoustic material, min. 75db / 3m, locking doors.	Set	1
2	Automatic changeover/transfer switch (ATS): With Capacity according to the capacity of the generator, Type of operation: Auto. & Manual, 4 poles, Components: Relays, Contactors, Auxiliaries, Timers, Reader, Phase failure, Lamps, Selectors, Emergency stop,	Unit	1
3	Cabling: Provision and installation of Cable 4x50 Sqm NYY, Cu/ PVC shield and PVC filling with all accessories (lugs, glands, and Etc.) and the required length, (20 m)	M	20

4	Provision and installation of Breaker MCCB 3 Phase, 3 Poles (Brass), capacity 125 A, within the metal panel and all accessories (lugs, glands, and Etc.), the new ATS should work with existing ATS of backup generator.	Unit	1
5	Provision and installation of changeover Breaker 3 Phase, 4 Poles (Brass) 125 A, with all accessories (lugs, glands, and Etc.)	Unit	1
6	Provision and installation of metal Panel suitable for MCCB breaker and changeover breaker and indicator lamps, thickness 1.5 mm at least Thermal paint with metal lock and rain cover.	Set	1
7	Installation service: Required, including all accessories (turnkey operation): (Location: UNHCR Office, As-Suwayda Governorate – Syria)	LM	1

Important notes:

- **Brand and data sheet/brochures** must be submitted in the offer.
- **Quality Certificates** and standards of items are required to be submitted.
- Partial offers are not accepted.
- All input/output cables must be installed in a manner that ensures public safety and security.
- All requested items to be delivered, installed, and tested at mentioned location.
- Under DPP terms, providing Customs Declaration (البيان الجمركي) and the Syrian competent authorities approvals is a MUST.
- UNHCR can't accept items without customs declaration.
- The contractor is responsible to provide a fully functioning kit / core items and accessories.

Thank you