

## **SECTION C - DESCRIPTION / SPECIFICATIONS / WORK STATEMENT**

**C.1.** The American Embassy in Majuro, Republic of the Marshall Islands requires the Contractor to install the following systems in a safe, reliable, and efficient operating condition. The contractor will connect the generator and automatic transfer switch to adjacent house power. The house is known as Lojkar A-1 and is currently leased by the US Embassy Majuro. The installation should provide automatic power cut-over to generator power during outages of city power. The installation should be planned for March, 2021. Photos of the equipment and location are added as Exhibit A.

**C.2.** The equipment to be installed under this contract are as follows:

Generator	Caterpillar D40-6S
Automatic Transfer Switch	Caterpillar MX150

**C.3.** The contractor shall impose on his staff the applicable quality control requirements of this contract. He shall be directly responsible that all workmanship shall meet the specific requirements of this contract. All workmanship shall be in accordance with the best craft and industry practice and the maintenance standards specified herein.

**C.4.** The contractor shall provide all necessary managerial, administrative supervision and direct labor personnel, as well as all transportation, equipment, tools, apparatus, and test instruments, supplies, and materials required to perform installation. The physical generator and ATS will be supplied as indicated in C.2.

**C.5.** The contractor's work and responsibility shall include, but shall not be limited to, all planning, visits, programming, contractor administration, and management necessary to assure that all operations of installation services are conducted in accordance with the contract requirements and all applicable laws, labor laws, regulations, and in accordance with standard industry practices.

**C.6.** The COR shall be informed immediately:

1. Whenever abnormalities arise this would preclude the equipment from being fully operational.
2. If the contractor identifies any defective components during the installation.

In addition, all deficiencies shall be noted and reported in writing to the COR upon completion of the inspection or service visit.

**C.7.** This contract covers all labor and materials charges required for the generator and ATS installation.

**C.8.** Contractor is obliged when performing assigned work at embassy site or U.S. government properties to provide his personnel with adequate working clothes, shoes, and personal protective equipment based on task specific hazards.

**C.9.** Contractor will comply with industry safety standards.

**Exhibit A: Photos of Equipment and installation location  
(Residential Standby Generator)**



Generator house



Generator house and residential connection



ATS

# TERPILLAR



LISTED AU3509  
30FN

GENERATING SET		
MODEL	D40-6S	
SERIAL NUMBER	CAT00C44HGLD00656	
YEAR OF MANUFACTURE	2010	
RATED POWER - STANDBY	36.0	kVA
	36.0	kW
	1.00	COS $\phi$
RATED VOLTAGE	240/120	V
PHASE	1	
RATED FREQUENCY	60	Hz
RATED CURRENT	150	A
RATED R.P.M	1800	
MAXIMUM ALTITUDE*	152.4	m
MAXIMUM AMBIENT TEMPERATURE*	25	°C
SALES ORDER REFERENCE	390807/10	
ALTERNATOR CONNECTION	D DELTA	
RATING ISO 8528-3	PR 500H TL0.875	
ALTERNATOR ENCLOSURE	IP 23	
INSULATION CLASS	H	V
EXCITATION VOLTAGE	40	A
EXCITATION CURRENT	2	PER UNIT
SUB TRANSIENT REACTANCE	0.1125	Ohms
	0.1800	PER UNIT
TRANSIENT REACTANCE X'' d	0.2250	Ohms
	0.3600	
	R250	

Generator data plate