

ART 4.5.5.3 Provide Engineer Support to Bases and Installations

Manage and maintain or upgrade existing facilities and utilities. Construct, manage, and maintain new facilities and utility systems for bases and installations. (FM 3-34.400) (USAES)

NO.	Scale	Measure
01	Yes/No	The construction, management, and maintenance of bases and installations in the area of operations (AO) contributed toward unit mission accomplishment.
02	Yes/No	Construction requirements determined per existing doctrine and regulations.
03	Yes/No	Environmental considerations planning and procedures were present and being followed.
04	Time	To plan maintenance and repair of fixed facilities.
05	Time	To determine potential requirements for repairing damage resulting from combat actions and natural disasters.
06	Time	To plan the operation and maintenance or upgrade of existing utilities, such as electrical generating and distribution systems, waste water collection and treatment systems, and other special utilities systems including cooling and refrigeration, compressed air, and heating systems.
07	Time	To plan and perform fire prevention and protection programs in the AO.
08	Time	To plan refuse collection and disposal.
09	Percent	Of maintenance and repair of facilities that can be performed by unit self-help teams.
10	Percent	Of facilities in the AO meeting initial and temporary standards.
11	Number	Of incinerators and landfills operating in the AO.
12	Number	Of metric tons of refuse per day that are recycled in the AO.
13	Number	Of metric tons of hazardous waste per day disposed of per appropriate laws and

		regulations.
14	Number	And types of ports, bases, and installations in the AO.
15	Number	Of Soldiers supported by bases and installations in the AO.
16	Number	And types of engineer units used for building and maintaining bases and installations located in the AO.
17	Cost	Of base and installation construction, management, and maintenance.

Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
05-3-2023	Construct Strongpoints	05 - Engineers (Collective)	Platoon
05-3-5210	Construct a Sewerage System	05 - Engineers (Collective)	Platoon
05-3-5211	Construct a Water Distribution System	05 - Engineers (Collective)	Platoon
05-3-5212	Construct Electrical Utilities	05 - Engineers (Collective)	Platoon
05-3-5215	Install a Coupled Pipeline	05 - Engineers (Collective)	Platoon
05-3-5220	Construct a Wood Frame Structure	05 - Engineers (Collective)	Platoon
05-3-5222	Construct a Steel-Frame Pre-engineered Structure	05 - Engineers (Collective)	Platoon
05-3-5231	Replace Damaged Airfield Matting	05 - Engineers (Collective)	Platoon
05-3-5722	Prepare Power Systems Construction Estimates	05 - Engineers (Collective)	Platoon
05-6-0097	Develop a Base Camp	05 - Engineers (Collective)	Brigade
63-7-2312	Plan Construction and Installation Service Support	63 - Multifunctional Logistics (Collective)	Division (TOE)