

ANNEX AGRI -7

Sector : AGRICULTURE
 Sub Sector: IRRIGATION
 Priority Within the Sector: First
 Activity: Operation and
 Maintenance of Irrigation
 Projects and Rehabilitation of
 Hydraulic Structures and
 Projects construction

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00001	Sprinkler Equipment For Irrigation Projects . See App 7A. Code 00014 and codes 00051- 00052	Equipment for al- Jazirah Irrigation Project to cover 32000 ha and other units to cover 9400 ha in other Projects	380+1000
05-07-00002	Maintenance Equipment and accessories For Irrigation Projects. See App. 7A codes 00017 -00034 ,00040 - 00045 ,00048- 00050,00053, 00066-00073 , 00077-00078 , 00081-00086, 00088-00091 , 00093-00098 and 00100-00108	Maintenance and Rehabilitation of Irrigation projects in all 15 Governorates (All Irrigation projects in the 15 Governorates)	45868 pcs + 5000 ton + 40000 m2 + 30000 m
05-07-00003	Maintenance Grouting processes. See App. 7A codes 00046-00047	In grouting processes.(Saddam Dam at Ninava)	4
05-07-00004	Maintenance Dredging Equipment's. See App. 7A codes 00035-00038 and 00092	For sediment removal form rivers.(Rivers reaches in all 15 Governorates)	37
05-07-00005	Field Maintenance Units See App. 7A code 00039	Operation and inspection of Irrigation projects (Irrigation projects in all 15 Governorates)	1300
05-07-00006	Maintenance Equipment See App. 7A code 00016, 00074,00079 and 00099	Maintenance of existing hydraulicstructurs in the main rivers and main canals in Irrigation projects	12 pcs + 12500 tons
05-07-00007	Tunnel boring machine See App. 7A code 00015 and code 00075 - 00076	For drilling the tunnel in south Jazirah Irrigation project	184
05-07-00008	Flood protection material See App. 7A code 00080	Maintenance of earth embakment during flood period in all 15 Governorates	1000000

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00009	Maintenance of concrete structure See App. 7A code 00054 - 00057	Maintenance of concrete structur s in the existing Dams	900 Kg
05-07-00010	Maintenance of irrigation distribution network See App. 7A code 00058	Maintenance For Irrigation project	6000 m
05-07-00011	Maintenance material of Irrigation Projects See App. 7A codes 00059- 00063and 00087	Maintenance of Irrigation structure and pumping station in all 15 Governorates	10000 pcs 20000 tons 5000 m3 15000 m
05-07-00012	Maintenance material of Irrigation canal and drainage systems in the Irrigation Projects See App. 7A code 00064 - 00065	Maintenance of existing canal and drainage systems in the Irrigation projects in all 15 Governorates	1000000
05-07-00013	Projects Implementation See App 7B Code 00109 -00111	Extention of irrigated areas , improving soil characterstics for the agricultural lands and saving of water for agricultural and Sanitary uses	As stated in App.7B
	APPENDIX 7 A MAINTENANCE EQUIPMENT FOR IRRIGATION PROJECTS AND MATERIALS REQUIRED		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-07-00014	Sprinkler Irrigation system linear move machine(ditch feed and hose feed) to irrigate 40-120 ha for each one with accessories.	380	
05-07-00015	Shield boring machine for tunnel excavation with provision of precast unit placing with accessories	2	
05-07-00016	Diaphragm boring machine up to 60m depth with accessories	2	
05-07-00017	Flushing Machine for field drain	150	
05-07-00018	Trench Excavator for field drain	15	
05-07-00019	Grader	100	
05-07-00020	Shovel (Tire)	550	
05-07-00021	Shovel (Crawler)	70	
05-07-00022	Hydraulic Excavator	500	
05-07-00023	Hydraulic Excavator (Tire)	140	
05-07-00024	Drag line Excavator	120	
05-07-00025	Mobile and tower Crane	150	
05-07-00026	Crane mounted on truck	70	

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00027	Tractor fitted with Backhoe bucket	40	
05-07-00028	Mobile and fixed pump Crete capacity(60-120)m3/hr	30	
05-07-00029	Trailer for cement transporation(30 - 40) ton	40	
05-07-00030	Low and Flat Loader for transportation	150	
05-07-00031	Bulldozer	350	
05-07-00032	Motor Scraper	100	
05-07-00033	Tip Truck	500	
05-07-00034	Marsh-Machine Excavator	50	
05-07-00035	Booster for dredger up to (1000 m3/hr) with accessories	10	
05-07-00036	Diesel dredger for river dredging (500m3/hr)	6	
05-07-00037	Diesel dredger for river dredging (1000m3/hr)	8	
05-07-00038	V- type diesel engine for dredger,HP = 650 and 1300 , RPM = 1500 - 1800	3	
05-07-00039	Pool transport for the rehabilitation of irrigation infrastructure in the 15 governorates. - Field Maintenance Units- for field use - Service bus capacity (10-50) passengers	1300	
05-07-00040	Truck Mixer for concrete	80	
05-07-00041	Truck Tanker for raw water	180	
05-07-00042	Truck fuel tanker	100	
05-07-00043	Vibrating sheep foot roller	130	
05-07-00044	Vibrating steel roller	80	
05-07-00045	Mixing plant for concrete (60-120)m3/h, (complete unit)	14	
05-07-00046	Mixing plant for grouting 20 m3/hr, (complete unit)	2	
05-07-00047	Mixing plant for grouting(7-10)m3/hr, (complete unit)	2	
05-07-00048	Mobile Diesel and electrical rottary Drilling Rig with hydraulic system on crawler compilation with accessories and drilling rods .	10	
05-07-00049	Different sizes and voltage battries for the equipment,trucks,cars,and pumping- station.	5,000	
05-07-00050	Different sizes of tyres for the equipment , trucks and	35,000	
05-07-00051	Sprinkler irrigation units - Rain star units - Solid sets units	200 10	

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00052	Components for sprinkler irrigation system and materials needed for - Rain star units - Solid sets units	360 430	
05-07-00053	Clamshel mounted on truck or tractor for cleaning ceratophyllium (Demersum) from the Irrigation canals	100	
05-07-00054	- Poly rethen Low Density	400	Kgs
05-07-00055	- Poly rethen High Density	200	Kgs
05-07-00056	- Epoxy	200	Kgs
05-07-00057	-Sikadur	100	Kgs
05-07-00058	Armco pipes different sizes	6000	m
05-07-00059	Steel Reinforcement with Steel wire ties	20000	tons
05-07-00060	- Plywood	2500	m3
05-07-00061	White wood for shuttering	2500	m3
05-07-00062	-Hydraulic Structure Gate variable size complete with accessories	10000	
05-07-00063	- Rubber water stop	10000	m
05-07-00064	-Galvanized Box Gabions	500000	pcs
05-07-00065	- Reno mattress (Gabions)	500000	pcs
05-07-00066	Diesel and electrical welding set	200	
05-07-00067	- Service and Maintenance truck	30	
05-07-00068	- Mobile workshop	30	
05-07-00069	- Air compressor	30	
05-07-00070	Fork lift (3 - 10) tons	200	
05-07-00071	Lorry up to(16) tons capacity	240	
05-07-00072	Telescopic Hydraulic Excavator(tire and crawler) with accessories	40	
05-07-00073	Hydraulic Excavator equipped with mowing bucket with accessories	40	
05-07-00074	Steel plate and Jacquard plate	2,500	tons
05-07-00075	-Steel forms for tunnel lining for South Jazerah Irrigation Project	2	sets
05-07-00076	Moulds for tunnel support concrete segments, with complete accessories for South Jazerah Irrigation Project	180	pcs
05-07-00077	Service boat with engine with Echo Sounder	20	
05-07-00078	Motorcycles	400	
05-07-00079	Sheet - pile different sizes and lengths	10,000	tons
05-07-00080	Jute bag for flood protection	1,000,000	pcs

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00081	Wrecker truck (rescue tow truck)	70	
05-07-00082	Fuel injection pump tester	15	
05-07-00083	Portable battery charger	40	
05-07-00084	Oxy- acetyline cutter complete with accessories	100	
05-07-00085	Electro- mechanical plate cutter complete with accessories	20	
05-07-00086	Hydraulic bending plate machine	2	
05-07-00087	Rubber seal for gates	5,000	m
05-07-00088	Passenger elevator of different capacities and	8	
05-07-00089	Concrete lining machine for the irrigation canals with accessories	10	
05-07-00090	Fire fighting vehicle with accessories	30	
05-07-00091	Concrete vibrator (diesel engine and electrical motor)	300	
05-07-00092	Pusher for dredger with accessories	10	
05-07-00093	Electrode for welding different sizes	5,000	ton
05-07-00094	Steel scaffolding with all accessories	40,000	m2
05-07-00095	Hydraulic Slip form and heavy lifting/ lowring complete with all equipments and accessories	2	
05-07-00096	Pick up (2-5) tons capacity	200	
05-07-00097	Vibrating hammer for concrete pile and sheet pile driven complete with accessories	10	
05-07-00098	Hammer for concrete pile and sheet pile driven complete with accessories	10	
05-07-00099	Well point system complete with accessories	10	
05-07-00100	Oil bath complete with accessories	20	
05-07-00101	Lathe machine different types	240	
05-07-00102	Milling machine different	60	
05-07-00103	Threading machine	5	
05-07-00104	Machine for bord piles complete with accessories and	3	
05-07-00105	Hydraulic jucking machine for pipes crossing under roads and embankment with accessories	4	
05-07-00106	Stationary Cement silo capacity up to 1500 ton complete with accessories	10	
05-07-00107	Mobile field laboratory complete with all accessories .	20	

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-07-00108	Steel rope for drag line Excavator different diameters	30,000	meter
	APPENDIX 7 B PROJECTS		
code	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-07-00109	South Jazirah Irrigation Project ,including costruction of civil works , supply and errection of necessary equipment required cosulting engineering services, supervision of the works and all necessary designs.	Full project (many contracts)	Parts
05-07-00110	Makhool Dam project Hydraulic Steel structures , including detail design ,supply erect and commission with all such Structures including necessary civil works .	Full project (many contracts)	Parts
05-07-00111	East Garaf Land reclamation project , including construction of irrigation canals , drain System including pumping stations,related structures , consulting engineering services including design and	Full project (many contracts)	Parts