

ANNEX AGRI - 7

Sector: AGRICULTURE
Priority within the Sector: First

Sub-Sector: IRRIGATION **Activity:** Maintenance and Rehabilitation of Irrigation projects

Total requested fund : __

Code	Item Description and its complementary items (if applicable)	Intended use (and targeted end user)	Qty. in unit	Requested fund US \$(000)	Allocation Criteria	Time frame
------	--	--------------------------------------	--------------	-----------------------------	---------------------	------------

						Optimal application	Optimal delivery
--	--	--	--	--	--	---------------------	------------------

05-07-00001	Sprinkler Equipment For Irrigation Projects. See App. 7 code 00013 and codes 00050 - 00052	Equipment for al- Jazirah Irrigation project to cover 32000 ha . and other units to cover 9400 ha . in other projects	380 + 1004		Improving on farm existing al -Jazirah Irrigation Project and other Projects	ALL YEAR	AS SOON AS POSSIBLE
05-07-00002	Maintenance Equipment and accessories For Irrigation Projects. See App. 7 codes 00016-00033 and codes 00039 - 00044 and codes 00047 - 00049 and 00066-00073 and 00077-00078 and 00081	Maintenance of Irrigation projects in all 15 Governorates. (All Irrigation Projects in the 15 Governorates)	22654		Improving an existing Irrigation Projects & water supply	ALL YEAR	AS SOON AS POSSIBLE
05-07-00003	Maintenance Grouting processes. See App. 7 codes 00045-00046	In grouting processes . (Saddam Dam at Ninava)	4		Resemble requirement for repairs.	ALL YEAR	AS SOON AS POSSIBLE
05-07-00004	Maintenance Dredging Equipment's. See App. 7 codes 00034-00037	For sediment removal from rivers. (Rivers reaches in all 15 Governorates)	21		Resemble requirement for repair.	ALL YEAR	AS SOON AS POSSIBLE

05-07-00005	Field Maintenance Units See App. 7 code 00038	Operation and inspection of Irrigation Projects (Irrigation Projects in all 15 Governorates)	1000		Replacement of existing units	ALL YEAR	AS SOON AS POSSIBLE
-------------	--	--	------	--	----------------------------------	----------	------------------------

05-07-00006	Maintenance Equipment See App. 7 code 00015 and 00074 and 00079	Maintenance of existing hydraulic structurs in the main rivers and main canals in irrigation projects .	5002 + 1500 tons		Improving an existing hydraulic structures	ALL YEAR	AS SOON AS POSSIBLE
05-07-00007	Tunnel boring machine See App. 7 code 00014 and code 00075 - 00076	For drilling the tunnel in south Jazirah Irrigation project	184		For extension of irrigated area	ALL YEAR	AS SOON AS POSSIBLE
05-07-00008	Flood protection material See App. 7 code 00080	Maintenance of earth embakment during flood period in all 15 Governorates	1000000		Improving the embankment to protect the Irrigation projects during flood period	ALL YEAR	AS SOON AS POSSIBLE
05-07-00009	Maintenance of concrete structure See App. 7 code 00053 - 00056	Maintenance of concrete structure in the existing Dams	900 Kg		Resemble requirement for repair.	ALL YEAR	AS SOON AS POSSIBLE
05-07-00010	Maintenance of irrigation distribution network See App. 7 code 00057	Maintenance for Kirkuk Irrigation project.	3000		Rehabilitation of existing Irrigation network	ALL YEAR	AS SOON AS POSSIBLE
05-07-00011	Maintenance material of Irrigation Projects See App. 7 codes 00058 - 00063	Maintenance of Irrigation structure and pumping station in all 15 Governorates	15000 pcs 12000 tons 1500 m3 2000 m		Improving an existing structures in Irrigation projects and pumping station	ALL YEAR	AS SOON AS POSSIBLE
05-07-00012	Maintenance material of Irrigation canal and drainage systems in the Irrigation Projects See App. 7 code 00064 - 00065	Maintenance of existing canal and drainage systems in the Irrigation Projects in all 15 Governorates	1000000		Improving an existing canal and drainage in the Irrigation Projects	ALL YEAR	AS SOON AS POSSIBLE

APPENDIX 7

**MAINTENANCE EQUIPMENT FOR IRRIGATION PROJECTS
AND MATERIALS REQUIRED**

Code	DESCRIPTION	QUANTITY
05-07-00013	Sprinkler Irrigation system linear move machine (ditch feed and hose feed) to irrigate 40-120 ha for each one with accessories.	380
05-07-00014	Shield boring machine for tunnel excavation with provision of precast unit placing with accessories	2
05-07-00015	Diaphragm boring machine up to 60m depth with accessories	2
05-07-00016	Flushing Machine for field drain	150
05-07-00017	Trench Excavator for field drain	15
05-07-00018	Grader	80 ²
05-07-00019	Shovel (Tire)	170**
05-07-00020	Shovel (Crawler)	10
05-07-00021	Hydraulic Excavator	350
05-07-00022	Hydraulic Excavator (Tire)	50
05-07-00023	- Drag line Excavator	120
05-07-00024	- Mobile Crane	75**
05-07-00025	- Crane mounted on truck	55**
05-07-00026	- Tractor fitted with Backhoe bucket	40
05-07-00027	- Mobile and fixed pump Creat capacity (60-120) m ³ / hr	30**
05-07-00028	trailer for cement transportation with truck tractors and spare parts*	30
05-07-00029	- Low and Flat Loader for transportation	95**
05-07-00030	Bulldozer	120
05-07-00031	Motor Scraper	200
05-07-00032	Tip Truck	300**
05-07-00033	Marsh-Machine Excavator	50
05-07-00034	Diesel dredger for river dredging (100m ³ /hour)	4
05-07-00035	Diesel dredger for river dredging (500m ³ /hour)	6
05-07-00036	Diesel dredger for river dredging (1000m ³ /hour)	8
05-07-00037	V- type diesel engine for dredger HP = 650 and 1300 , RPM = 1500 - 1800	3
05-07-00038	Pool transport for the rehabilitation of irrigation infrastructure in the 15 governorates. - Field Maintenance Units- for field use	1000
05-07-00039	Truck Mixer (for concrete 6m ³)	60**
05-07-00040	Truck Tanker (for raw water 16 m ³)	90**
05-07-00041	Truck fuel tanker	50

²amended 19 June 2000

* amended 5 May 2000

Code	DESCRIPTION	QUANTITY
05-07-00042	Vibrating sheep foot roller	80**
05-07-00043	Vibrating steel roller	40
05-07-00044	Mixing plant for concrete (60-120)m3/h (complete unit)	14
05-07-00045	Mixing plant for grouting 20 m3/ hr (complete unit)	2
05-07-00046	Mixing plant for grouting (7-10) m3/ hr (complete unit)	2
05-07-00047	Mobile Diesel and electrical rottary Drilling Rig with hydraulic system on crawler compilation with accessories and drilling rods .	10
05-07-00048	Different sizes and voltage battries for the equipment , trucks , cars ,and pumping- station.	5000
05-07-00049	Different sizes of tyres for the equipment , trucks and cars .	15000
05-07-00050	Sprinkler irrigation units - Rain star units - Solid sets units	200 10
05-07-00051	Components for sprinkler irrigation system and materials needed for - Rain star units - Solid sets units	360 430
05-07-00052	Requirements for manufacturing assembling , maintaning&testing for Rain star, solids sets units	4 line
05-07-00053	- Poly rethen low Density	400 Kgs
05-07-00054	- Poly rethen High Density	200 Kgs
05-07-00055	- Epoxy	200 Kgs
05-07-00056	- Sikadur	100 Kgs
05-07-00057	- Asbestos pipes 5 meters length with fittings and tools	3000
05-07-00058	- Steel Reinforcement	10000 tons
05-07-00059	- Plywood	5000 pcs
05-07-00060	- White wood for shuttering	1500 m3
05-07-00061	- Raw material for producing field drain pipe (PVC perforated pipe)	2000 tons
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 welding set	60**
05-07-00067	- Service and maintenance truck	30

Code	DESCRIPTION	QUANTITY
05-07-00068	- Mobile workshop	30**
05-07-00069	- Air compressor	30**
05-07-00070	Fork lift (3 - 10) tons	50
05-07-00071	Lorry up to(16) tons capacity	
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	1500 tons
05-07-00075	-Steel forms for tunnel lining for South Jazera Irrigation Project	2 sets
05-07-00076	Moulds for tunnel support concrete segments, with complete accessories for South Jazera Irrigation Project .	180 pcs
05-07-00077	Service boat with engine	20
05-07-00078	Motorcycles	400
05-07-00079	H- pile different sizes and lengths	5000
05-07-00080	Jute bag for flood protection	1000000
05-07-00081	Wrecker truck (rescue tow truck)	20

** amended 19 June 2000