

ANNEX AGRI -7

Sector : AGRICULTURE

Sub Sector:IRRIGATION

Activity:Operation and Maintenance of Irrigation Projects and Rehabilitation of Hydraulic Structures and Projects construction

Priority Within the Sector:First

Total requested fund : _____

CODE	ItemDescription 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 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		Impoving 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. 7A codes 00017 - 00034 ,00040 - 00045 ,00048-00050,00053-00054, 00056-00057,00066-00073 , 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)	46253 pcs + 5000 ton + 40000 m2 + 30000 m		Impoving an existing Irrigation Projects & water supply .	ALL YEAR	AS SOON AS POSSIBLE
05-07-00003	Maintenance Grouting processes. See App. 7A codes 00046-00047	In grouting processes.(Saddam Dam at Ninava)	10		Resemple requirement for repairs	ALL YEAR	AS SOON AS POSSIBLE
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		Resemple requirement for repairs	ALL YEAR	AS SOON AS POSSIBLE
05-07-00005	Field Maintenance Units See App. 7A code 00039	Operation and inspection of Irrigation projects (Irrigation projects in all 15 Governorates)	1300		Replacement of existing units	ALL YEAR	AS SOON AS POSSIBLE

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00006	Maintenance Equipment See App. 7A code 00016, 00074, 00079 and 00099	Maintenance of existing hydraulic structures in the main rivers and main canals in Irrigation projects	12 pcs + 18000 tons		Improving an existing hydraulic structures	ALL YEAR	AS SOON AS POSSIBLE
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		For extension of irrigated area	ALL YEAR	AS SOON AS POSSIBLE
05-07-00008	Flood protection material See App. 7A code 00080	Maintenance of earth embankment 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. 7A code 00054 - 00057	Maintenance of concrete structures in the existing Dams	900 Kg		Resample requirement for repairs	ALL YEAR	AS SOON AS POSSIBLE
05-07-00010	Maintenance of irrigation distribution network See App. 7A code 00058	Maintenance For Irrigation project	6000 m		Rehabilitation of existing Irrigation network	ALL YEAR	AS SOON AS POSSIBLE
05-07-00011	Maintenance material of Irrigation Projects See App. 7A codes 00059- 00064 and 00087	Maintenance of Irrigation structure and pumping station in all 15 Governorates	10000 pcs 20000 tons 5000 m3 105000 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. 7A code 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

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00013	Projects Implementation See App 7B Code 00109 - 00112	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		Extention and improving of irrigated lands	ALL YEAR	AS SOON AS POSSIBLE

APPENDIX 7 A

**MAINTENANCE EQUIPMENT FOR IRRIGATION PROJECTS
AND MATERIALS REQUIRED WITH ACCESSORIES AND SPARE**

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)	475					
05-07-00021	Shovel (Crawler)	10					

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00022	Hydraulic Excavator	500					
05-07-00023	Hydraulic Excavator (Tire)	140					
05-07-00024	Drag line Excavator	120					
05-07-00025	Mobile ,tower Crane and overhead crane hoists	150					
05-07-00026	Crane mounted on truck	70					
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 complete , or prime mover with 5 th wheel	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					

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
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)with all accessories and water chiller		14				
05-07-00046	Mixing plant for grouting (7-20) m3/hr, (complete unit)		10				
05-07-00047	Grouting Equipment and pumps including mixer for grouting materials with all accessories and apparatus.		lot				

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00048	Mobile Diesel and electrical rottary Drilling Rig with hydraulic system on crawler for grouting workc compilation with accessories and drilling rods .	30					
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 cars	35,000					
05-07-00051	Sprinkler irrigation units - Rain star units - Solid sets units	200 10					
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	- Sieving plant complete with all accessories different capacity	40					
05-07-00055	- Poly rethen low and High Density, Epoxy and sikador	900	Kgs				

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00056	Synthetic filter sheets of nonwoven fabrics and rubber memberance for canals linning different thickness with adhesive materials for jointing	500,000	m2				
05-07-00057	perforated UPVC or poly ethylene and solid PVC pipes different diameter	100,000	m				
05-07-00058	Armco pipes different sizes	6000	m				
05-07-00059	Steel Reinforcement with Steel wire ties and high tensile steel for flume	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	100 000	m				
05-07-00064	Hoisting equipments,servo motores, electrical control,electrical and mechanical accessories for hydraulic structures gates	lot					
05-07-00065	-Galvanized Box and Reno mattress (Gabions)	1000000	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	100					
05-07-00070	Fork lift (3 - 10) tons	200					

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00071	Lorry up to(40) tons capacity	240					
05-07-00072	Telescopic Hydraulic Excavator(tire and crawler) with accessories	40					
05-07-00073	Hydraulic Excavator equipped with mowing bucket or mowing boat with accessories	40					
05-07-00074	Steel plate and Jacquard plate	8,000	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				
05-07-00081	Wrecker truck (rescue tow truck)	100					
05-07-00082	Fuel injection pump tester	15					
05-07-00083	Hydraulic Excavator equipped with cleaning bucket for lined canals	40					
05-07-00084	Oxy- acetyline cutter complete with accessories	100					

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
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	5,000m					
05-07-00088	Passenger elevator of different capacities and floors	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					

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
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 types	60					
05-07-00103	Threading machine	5					
05-07-00104	Machine for bord piles complete with accessories and attachment	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					
05-07-00108	Steel rope for drag line Excavator different diameters	30,000	meter				

APPENDIX 7 B
PROJECTS

code	DESCRIPTION	QUANTITY	UNIT OF MEASURE				
------	-------------	----------	--------------------	--	--	--	--

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame	
05-07-00109	South Jazirah Irrigation Project ,including costruction of civil works, pumping station , supply and errection of necessary equipment required consulting 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 detailed design, supply,errect and commissioning with all Structures including necessary civil works .	Full project (many contracts)	Parts				
05-07-00111	East Garraf Land reclamation project , including construction of irrigation canals,drainage System, pumping stations required,structures related, consulting engineering services including design and supervision with all required equipment for execution	Full project (many contracts)	Parts				
05-07-00112	Eeast Jazirah Irrigation Project ,including costruction of civil works , pumping station,supply and errection of necessary equipment required consulting engineering services, supervision of the works and all necessary designs.	Full project (many contracts)	Parts				

CODE	ItemDescription and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit	Requested fund US\$ (000)	Allocation Criteria	Time frame
05-07-00113	Land reclamation project , including construction of irrigation canals , drainage System, pumping stations required, structures related, consulting engineering services including design and supervision with all required equipments and materials for execution located in Thiqar, Missan, Wasit,Babylon, Qadissiyah, Najaf, Karballa, Anbar, Diyala and Baghdad governorates	100,000	hectare			
05-07-00114	Execution of small Dams in the western Desert including supplying of equipments and materials	10	unit			