

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			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)			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)			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)			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)			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	
						ALL YEAR	AS SOON AS POSSIBLE
05-07-00006	Maintenance Equipment See App. 7A code 00016, 00074,00079 and 00099	Maintenance of existing hydraulicstructures in the main rivers and main canals in Irrigation projects			Impoving 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			For extnsion of irrigated area	ALL YEAR	AS SOON AS POSSIBLE
05-07-00008	Flood protection material See App. 7A code 00080	Maintenance of earth embakment during flood period in all 15 Governorates			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 structurrs in the existing Dams			Resemple 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			Rehapilitation of existing Irrigation network	ALL YEAR	AS SOON AS POSSIBLE
05-07-00011	Maintenance material of Irrigation Projects See App. 7A codes 00059- 00064and 00087	Maintenance of Irrigation structure and pumping station in all 15 Governorates			Impoving 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			Impoving 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			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**

PARTS

CODE	DESCRIPTION	QUANTITY					
05-07-00014	Sprinkler Irrigation system linear move machine(ditch feed and hose feed) to irrigate 40-120 ha for each one with accessories.						
05-07-00015	Shield boring machine for tunnel excavation with provision of precast unit placing with accessories						
05-07-00016	Diaphragm boring machine up to 60m depth with accessories						
05-07-00017	Flushing Machine for field drain						
05-07-00018	Trench Excavator for field drain						
05-07-00019	Grader						
05-07-00020	Shovel (Tire)						

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	
05-07-00021	Shovel (Crawler)						
05-07-00022	Hydraulic Excavator						
05-07-00023	Hydraulic Excavator (Tire)						
05-07-00024	Drag line Excavator						
05-07-00025	Mobile ,tower Crane and overhead crane hoists						
05-07-00026	Crane mounted on truck						
05-07-00027	Tractor fitted with Backhoe bucket						
05-07-00028	Mobile and fixed pump Crete capacity(60-120)m3/hr						
05-07-00029	Trailer for cement transporation(30 - 40) ton						
05-07-00030	Low and Flat Loader for transportation complete , or prime mover with 5 th wheel						
05-07-00031	Bulldozer						
05-07-00032	Motor Scraper						
05-07-00033	tipping truck renault jerax with spare parts	none	20				
05-07-00034	Marsh-Machine Excavator						
05-07-00035	Booster for dredger up to (1000 m3/hr) with accessories						
05-07-00036	Diesel dredger for river dredging (500m3/hr)						

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	
05-07-00037	Diesel dredger for river dredging (1000m3/hr)						
05-07-00038	V- type diesel engine for dredger,HP = 650 and 1300 , RPM = 1500 - 1800						
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						
05-07-00040	Truck Mixer for concrete						
05-07-00041	Truck Tanker for raw water						
05-07-00042	Truck fuel tanker						
05-07-00043	Vibrating sheep foot roller						
05-07-00044	Vibrating steel roller						
05-07-00045	Mixing plant for concrete (60-120)m3/h, (complete unit)with all accessories and water chiller						
05-07-00046	Mixing plant for grouting (7-20) m3/hr, (complete unit)						
05-07-00047	Grouting Equipment and pumps including mixer for grouting materials with all accessories and apparatus.						

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 .						
05-07-00049	Different sizes and voltage battries for the equipment, trucks, cars, and pumping- station.						
05-07-00050	Different sizes of tyres for the equipment , trucks and cars						
05-07-00051	Sprinkler irrigation units - Rain star units - Solid sets units						
05-07-00052	Components for sprinkler irrigation system and materials needed for - Rain star units - Solid sets units						
05-07-00053	Clamshel mounted on truck or tractor for cleaning ceratophyllium (Demersum) from the Irrigation canals						
05-07-00054	- Sieving plant complete with all accessories different capacity						
05-07-00055	- Poly rethen low and High Density, Epoxy and sikador		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		m2				
05-07-00057	perforated UPVC or poly ethylene and solid PVC pipes different diameter		m				
05-07-00058	Armco pipes different sizes		m				
05-07-00059	Steel Reinforcement with Steel wire ties and high tensile steel for flume		tons				
05-07-00060	- Plywood		m3				
05-07-00061	White wood for shuttering		m3				
05-07-00062	-Hydraulic Structure Gate variable size complete with accessories						
05-07-00063	- Rubber water stop		m				
05-07-00064	Hoisting equipments, servo motores, electrical control, electrical and mechanical accessories for hydraulic structures gates						
05-07-00065	-Galvanized Box and Reno mattress (Gabions)		pcs				
05-07-00066	Diesel and electrical welding set						
05-07-00067	- Service and Maintenance truck						
05-07-00068	- Mobile workshop						
05-07-00069	- Air compressor						
05-07-00070	Fork lift (3 - 10) tons						

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						
05-07-00072	Telescopic Hydraulic Excavator(tire and crawler) with accessories						
05-07-00073	Hydraulic Excavator equipped with mowing bucket or mowing boat with accessories						
05-07-00074	Steel plate and Jacquard plate		tons				
05-07-00075	-Steel forms for tunnel lining for South Jazerah Irrigation Project		sets				
05-07-00076	Moulds for tunnel support concrete segments, with complete accessories for South Jazerah Irrigation Project		pcs				
05-07-00077	Service boat with engine with Echo Sounder						
05-07-00078	Motorcycles						
05-07-00079	Sheet - pile different sizes and lengths		tons				
05-07-00080	Jute bag for flood protection		pcs				
05-07-00081	Wrecker truck (rescue tow truck)						
05-07-00082	Fuel injection pump tester						
05-07-00083	Hydraulic Excavator equipped with cleaning bucket for lined canals						
05-07-00084	Oxy- acetyline cutter complete with accessories						

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						
05-07-00086	Hydraulic bending plate machine						
05-07-00087	Rubber seal for gates		m				
05-07-00088	Passenger elevator of different capacities and floors						
05-07-00089	Concrete lining machine for the irrigation canals with accessories						
05-07-00090	Fire fighting vehicle with accessories						
05-07-00091	Concrete vibrator (diesel engine and electrical motor)						
05-07-00092	Pusher for dredger with accessories						
05-07-00093	Electrode for welding different sizes		ton				
05-07-00094	Steel scaffolding with all accessories		m2				
05-07-00095	Hydraulic Slip form and heavy lifting/ lowring complete with all equipments and accessories						
05-07-00096	Pick up (2-5) tons capacity						
05-07-00097	Vibrating hammer for concrete pile and sheet pile driven complete with accessories						

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	
05-07-00098	Hammer for concrete pile and sheet pile driven complete with accessories						
05-07-00099	Well point system complete with accessories						
05-07-00100	Oil bath complete with accessories						
05-07-00101	Lathe machine different types						
05-07-00102	Milling machine different types						
05-07-00103	Threading machine						
05-07-00104	Machine for bord piles complete with accessories and attachment						
05-07-00105	Hydraulic jucking machine for pipes crossing under roads and embankment with accessories						
05-07-00106	Stationary Cement silo capacity up to 1500 ton complete with accessories						
05-07-00107	Mobile field laboratory complete with all accessories .						
05-07-00108	Steel rope for drag line Excavator different diameters		meter				

**APPENDIX 7 B
PROJECTS**

code	DESCRIPTION	QUANTITY	UNIT OF MEASURE				
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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 construction of civil works, pumping station , supply and erection 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				

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	
05-07-00112	East Jazirah Irrigation Project ,including construction 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				
05-07-00113	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 Thi qar, Missan, Wasit,Babylon, Qadissiyah, Najaf, Karballa, Anbar, Diyala and Baghdad governorates		hectare				
05-07-00114	Execution of small Dams in the western Desert including supplying of equipments and materials		unit				