

ANNEX AGR I - 6

Sector: AGRICULTURE

Sub-Sector: IRRIGATION

Activity: Rehabilitation of Pumping Stations

Priority within the Sector: First

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
05-06-00001	Portable Centrifugal Pumping Set and Accessories. See App. 6A codes 00008-00015	For improving irrigation capacity & efficiency for approx. 500,000 hectares (All irrigation and drainage pumping stations.)	371		Alternative for the existing pumps	APRIL	FEBRUARY
05-06-00002	Pumps and generating sets for water wells See App. 6A codes 00016-00019	For irrigation and drinking water supply (Farmers depend on ground-Water supply at Kerballa, Najaf, Tamem, Anbar, Diyala , slah aldeen and Basrah.)	350		Alternative for the existing pumps	APRIL	FEBRUARY
05-06-00003	Horizontal Centrifugal Pump Set and Accessories. See App. 6A codes 00020-00021	For improvement Main Out Fall Drain in Iraq located in Nassiryia site	8		To complete the pumping station	ALL YEAR	AS SOON AS POSSIBLE
05-06-00004	Different Types Of Pumps See App. 6A codes 00022-00024	Rehabilitation of grouting processes (Saddam Dam at Ninava)	6		Alternative for the existing pumps	MARCH	JANUARY FEBRUARY

05-06-00005	Main Electrical Motor For Pumps See App. 6B	Rehabilitation of pumping stations. (Pumping stations in all 15 Governorates)	196		Resemble requirement for repairs.	ALL YEAR	AS SOON AS POSSIBLE
05-06-00006	Spare Parts For Pumping Stations. See App. 9A	Maintenance of existing pumping stations (Pumping stations exist in all 15 Governorates.)	As stated in App. 9A		Resemble requirement for repairs.	ALL YEAR	AS SOON AS POSSIBLE
05-06-00007	Spare Parts For Al-Jazirah main Pumping Station. See App. 9B	Maintenance of Al-Jazirah pumping station. (Al-Jazirah pumping station at Ninava)	As stated in App. 9B		Resemble requirement for repairs	ALL YEAR	OCTOBER

APPENDIX 6 A .
PUMPING SETS FOR IRRIGATION AND DRAINAGE

Code	DESCRIPTION	QUANTITY
05-06-00008	Portable Centrifugal Pumping Set and Accessories. 3 x 380 V - 50 Hz. Motors Discharge 1 m3/sec Total Head 17 - 20 m. Static Suction Head 4 - 5 m.	140
05-06-00009	Portable Centrifugal Pumping Set and Accessories. 3 x 380 V - 50 Hz. Motors Discharge 0.5 m3/sec Total Head 17 - 20 m. Static Suction Head 4 - 5 m.	50
05-06-00010	Portable Centrifugal Pumping Set and Accessories. 3 x 380 V - 50 Hz. Motors Discharge 1 m3/sec Total Head 30 m. Static Suction Head 4 - 5 m.	15
05-06-00011	Portable Diesel Centrifugal Pumping Set and Accessories Discharge 1 m3 / sec. Total Head 17 - 20 m. Static Suction Head 4 - 5 m.	40
05-06-00012	Portable Diesel Centrifugal Pumping Set and Accessories. Discharging 0.5 m3/sec Total Head 17 - 20 m. Static Suction Head 4 - 5 m.	10
05-06-000013	Vertical pumps set with electrical motors And Accessories Discharge from 0.25 to 5.5 m3/sec Total head from 3 to 93 m	96
05-06-00014	Submersible Pump And Accessories 300 & 130 KW, 380 V, 50 Hz motors Discharge 300 & 130 L / Sec. Total Head 55 m.	10
05-06-00015	Submersible Pump And Accessories 55 KW, 380 V, 50 Hz motors Discharge 70 L / Sec. Total Head 55 m.	10

05-06-00016	Pumps For Water Wells * Turbine pumps driven by electrical motor Q = 10 - 15 l/sec Total Head 100 - 70 meter	200
05-06-00017	* Turbine pumps driven by diesel engine Q = 10 - 15 l/sec. Total Head 100 - 70 meter	60
05-06-00018	* Submersible Pumps - Q = 7 - 10 l/sec. Total Head 250 - 150 meter - Q = 7 - 10 l/sec. Total Head 350 - 250 meter	40
05-06-00019	* Disel generating sets mounted on a steel frame with a weather protecting cover capacity (55- 75) KVA .	50
05-06-00020	Horizontal Centrifugal Pump Set and Accessories. * Fixed blade pump - Q = 20m3/sec - Total Head = 5.6 m - 2000 KW, 6KV, Three phase 50HZ,syhnchronous motor with accessories .	4
05-06-00021	* Adjustable blade axial pump - Q = (13.5- 25)m3/sec - Total Head = 5.6 m - 2000 KW, 6KV, Three phase 50HZ,syhnchronous motor with accessories .	4
05-06-00022	Pump with coupling between Hydraulic unit and the pump including flexible Hose (C2 4 ½" x 5") and accessories	4
05-06-00023	Submersible Pump And Accessories 54 KW, 3 x 380 V, 50 Hz. Motors Discharge 3 m3/min.Total Head 50 m.	1
05-06-00024	Submersible Pump And Accessories 30 KW, 3 x 380 V, 50 Hz motors Discharge 2 m2 / min. Total Head 30 m.	1

APPENDIX 6 B .
MAIN ELECTRICAL MOTOR FOR PUMPS

Code	DESCRIPTION	QUANTITY
05-06-00025	Main Motor type 3AHR 354 - 4 (200 KW, 380 V, 1500 R.P.M.) Horizontal	100
05-06-00026	Main motor for pump type MY - 500 B and motor type KPR 315 M4 (132 KW, 380 V, 750 R.P.M.) Horizontal	20
05-06-00027	Horizontal electrical motor, Syhncronous type, thyaristor starting ; (800 kw, 6kv, 500rpm, 50 Hz)	3
05-06-00028	Vertical electric motor, slip ring type rotor resistance starting (315 KW, 380V, 600 rpm, 50 HZ)	2
05-06-00029	Vertical electric motor, slip ring type rotor resistance starting (630 KW, 6KV, 500 rpm, 50 HZ)	4
05-06-00030	Vertical electric motor, slip ring type rotor resistance starting (350 KW, 6KV, 500 rpm, 50 HZ)	2
05-06-00031	Vertical electric motor , Sequirral cage type(D.O.L starting) (700 KW, 6 KV, 500 rpm, 50 HZ)	3
05-06-00032	Vertical electric motor, slip ring type rotor resistance starting (520 KW, 3300V, 500 rpm, 50 HZ)	4
05-06-00033	Vertical electric motor, (630 KW, 6 KV,500 rpm, 50 HZ)	2
05-06-00034	Vertical electric motor. D.O.L starting (500 KW, 6 KV,600 rpm,50 HZ)	4
05-06-00035	Horizontal electric motor, slip ring type (150 KW, 380V, 750 rpm, 50 HZ)	3
05-06-00036	Horizontal electric motor , star- delta starting (130 KW,380 V, 1000 rpm, 50 HZ)	3
05-06-00037	Horizontal electric motor , star- delta starting (250 KW,380 V, 1000 rpm, 50 HZ)	8
05-06-00038	Vertical electric motor rotor resistance starting(315 KW ,500 rpm ,6 KV, 50HZ)	4
05-06-00039	Horizantal Induction electric motor D.O.L starting (630KW, 1485 rpm, 6 KV, 50HZ)	4
05-06-00040	Horizontal electric motor , (280 KW,380 V, 750rpm, 50 HZ)	30