

ANNEX AGRI -6

Sector : Sub Sector: IRRIGATION
Activity: Rehabilitation of
Pumping Stations

Priority Within the Sector: First

CODE	Item Description and its complementary items (if applicable)	Intended use (and targeted end user)	Qty . In unit
05-06-00001	Portable Centrifugal Pumping Set with accessories and generating sets. See App. 6A codes 00009 -00014 and 00025-00027 and 00030	For improving irrigation capacity&efficiency for approx . 500,000 hectares (All irrigation and drainage pumping atations.) and also for South and East Jazirah Projects	1241
05-06-00002	Pumps and generating sets for water wells See App. 6A codes 00015-00020	For Irrigation and Drinking water supply (Farmers depend on ground-Water supply at Kerballa, Najf, Tamem, Anbar, Di yala, Salah Aldeen and Basrah	3420
05-06-00003	Dewatering Pumps See App. 6A codes 00024 and code 00029	Dewatering Pumps for existing pumping stations in all (15 Governorates)	6
05-06-00004	Pumps for water treatment plants and Irrigation. See App. 6A code 00028	pumps for water treatment plants and Irrigation in the existing Irrigation projects	200
05-06-00005	Different Types Of Pumps. See App. 6A codes 00021-00023	Rehabilitation of grouting processes (Saddam Dam at Ninava)	8
05-06-00006	Main Electrical Motor For Pumps See App. 6B	Rehabilitation of grouting processes (Pumping stations in all 15 Governorates)	50
05-06-00007	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
05-06-00008	Spare Parts For Al-Jazirah main Pumping Station. See App. 9B	Maintenance of (Al-Jazirah pumping station at Ninava)	As stated in App. 9B
	APPENDIX 6 A . PUMPING SETS FOR IRRIGATION AND DRAINAGE		
CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE

CODE	Item Description and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-06-00009	Portable Centrifugal Pumping Set and Accessories, 3 x 380 V - 50 Hz. Motors,Q=1m3/sec, Total Head up to 100m.,Static Suction Head(4 - 5)m.	400	
05-06-00010	Portable Centrifugal Pumping Set and Accessories.3 x 380V-50Hz. Motors, Q=0.5 m3/sec Total Head up to 100 m .,Static Suction Head(4-5) m.	100	
05-06-00011	Portable Diesel Centrifugal Pumping set and ccessories,Q=1 m3/sec.,Total Head upto 100 m Static Suction Head(4-5)m.	200	
05-06-00012	Portable Diesel Centrifugal Pumping Set and Accessories.Q=0.5m3/sec,To tal Head up to	50	
05-06-00013	Vertical and horizontal pumps set with electrical motors And Accessories,Q=(0.25- 5.5)m3/sec,Total head(3- 93)m	96	
05-06-00014	Submersible Pump And Accessories, for dewatering different discharges and heads	50	
	Pumps For Water Wells(diffrent energy used including solar energy)		
05-06-00015	*Turbine pumps driven by electricl motors Q=(5-20)L/sec,Total Head(100-70)m	1500	
05-06-00016	* Turbine pumps driven by diesel engine Q=(5-20)L/sec,Total Head(100-70)meter	800	

CODE	Item Description and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-06-00017	* Submersible Pumps Q=(5-30)L/sec.,Total Head (100-350)m	600	
05-06-00018	* Diesel generating sets mounted on a steel frame with a weather protecting cover and lighting systems capacity (5- 75) KVA .	250	
05-06-00019	* Diesel generating sets mounted on a steel frame,with a weather protecting cover , capacity (250-1500) KVA .	70	
05-06-00020	Desalination units for water wells complete with all accessories	200	
05-06-00021	Pump with coupling between Hydraulic unit and the pump including flexible Hose (C2 4½"x5")and	4	
05-06-00022	Submersible Pump And Accessories,54 KW, 3 x 380 V, 50 Hz. motors, Discharge 3 m3/min.Total Head 50 m.	2	
05-06-00023	Submersible Pump And Accessories,30 KW,3x380V,50 Hz motors,Q=2 m3/min .,Total Head 30m.	2	
05-06-00024	Horizontal Pump Set and Accessories.Q=3. 4m3/Sec ,H=85m,3x11KV,3450 KW	1	
05-06-00025	Vertical Pumps Set with electrical Motors and Accessories,Q=2m3/sec, H = up to 50 m	15	
05-06-00026	Horizontal Centrifugal Pumps Set with electrical motors and accessories, Q= 0.3 - 1.0 m3/sec,H = up to 50 m	110	
05-06-00027	Vertical Pumps Set with electrical Motors and Accessories, Q=(0.4-3.7) m3/sec, H = 40m - 60 m	120	

CODE	Item Description and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-06-00028	pump(25-1050)HP, Head(20-360)m driven by diesel engine or electrical motor with all accessories	200	
05-06-00029	Submersible pump: V=380, R.P.M=1400,50 HZ H=up to 30m, Q= 80 m3/hr	5	
05-06-00030	Submersible pumps, different discharges and heads	100	
	APPENDIX 6 B . MAIN ELECTRICAL MOTOR FOR PUMPS		
CODE NO.	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-06-00031	Horizontal electrical motor,Syhnchronous type,thyaristor starting;(800kw,6kv,500rpm,50Hz)	3	
05-06-00032	Vertical electric motor,slip ring type rotor resistance starting(315KW,380V, 600rpm,50HZ)	2	
05-06-00033	Vertical electric motor,slip ring type rotor resistance starting (630KW,6KV, 500 rpm,50HZ)	4	
05-06-00034	Vertical electric motor,slipring type rotor resistance starting(350KW,6KV, 500 rpm,50HZ)	2	
05-06-00035	Vertical electric motor , Sequirral cage type(D.O.L starting) (700 KW, 6 KV, 500 rpm, 50 HZ)	3	
05-06-00036	Vertical electric motor, slip ring type rotor resistance starting (520 KW, 3300V, 500 rpm,50 HZ)	4	
05-06-00037	Vertical electric motor (630KW,6KV,500rpm, 50 HZ)	2	
05-06-00038	Vertical electric motor. D.O.L starting, (500 KW, 6 KV,600 rpm,50 HZ)	4	

CODE	Item Description and its complementary items(if applicable)	Intended use (and targeted end user)	Qty . In unit
05-06-00039	Horizontal electric motor, slip ring type , (150 KW, 380V, 750 rpm, 50 HZ)		3
05-06-00040	Horizontal electric motor ,star- delta starting, (130 KW,380V,1000rpm,50		3
05-06-00041	Vertical electric motor rotor resistance starting (315 KW,500rpm,6KV,50HZ)		4
05-06-00042	Horizontal Induction electric motor D.O.L starting,(630KW,1485 rpm, 6 KV, 50HZ)		4
05-06-00043	Vertical induction motor slip ring movable type , with rotor resistance (8 stages mounted in oil box),the upper bearing of the motor should be thrust bearing type,The motor is (500 KW,3.3 KV,500 r.p.m.)		4
05-06-00044	3-phase Asyhncronous Vertical motor 1350 Kw , 6Kv , 50 Hz , 590 RPM		2
05-06-00045	3-phase Asyhncronous Vertical motor 1350 Kw , 6Kv , 50 Hz , 590 RPM		2
05-06-00046	3-phase Asyhncronous Vertical motor 850 Kw , 6Kv , 50 Hz , 590 RPM		2
05-06-00047	Horizontal slip ring induction motor 3450 Kw , 11Kv , 50 Hz ,750 RPM		2