

ANNEX AGR I -8

Sector: AGRICULTURE

Sub-Sector: IRRIGATION

Activity: Surveying and monitoring of water storage structures

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
05-08-00001	Instrumentation Requirements . See App. 10B	Improving monitoring processes in dams and barrages. (All existing dams and barrages)	As stated in App. 10B		Survey / inspection	ALL YEAR	AS SOON AS POSSIBLE
05-08-00002	Surveying Equipment's See App. 10C	Improving monitoring processes in all irrigation projects. (All relevant projects in the 15 Governorates)	As stated in App. 10C		Survey / inspection and investigation	ALL YEAR	AS SOON AS POSSIBLE

APPENDIX 8.**WATER WELL DRILLING REQUIREMENTS**

Code	DESCRIPTION	QUANTITY
05-08-00003	Truck Mounted Rotary Table Drilling Rig , capable to drill water wells up to depth (250m) with operating tools and accessories.	2 Units
05-08-00004	Truck Mounted Top Head Drilling Rig , capable to drill water wells up to depth (450 m) by using air and mud with operating tools, auxillary truck mounted compressors, accessories. drilling mud , foam , rock oil , CMC ,Quebracho , Quik trol , Quik gel.	7 Units
05-08-00005	Truck Mounted Top Head Drive Drilling Rig , capable to drill water wells up to depth (800 m) by using air and mud with operating tools, auxillary truck mounted compressors, accessories, drilling mud ,foam , rock oil ,CMC , Quebracho , Quik trol , Quik gel.	1 unit
05-08-00006	Diesel truck mounted compressors for water well development (capacity 250 psig -600 CFM).	3
05-08-00007	Diesel truck mounted compressors for water well development (capacity 500psig - 400 CFM) .	3
05-08-00008	Diesel truck mounted compressors (Auxilliary) for drilling of (300-400) psig working pressure and (900-1000) ft3/min actual free air delivery	4

	Spare Parts & Accessories for existing drilling rigs, type (Speed Star - 15)	
05-08-00009	1. Rotary Drive	10
05-08-00010	2. Swivel Assembly	10
05-08-00011	3. Complete Engine Detroit V8 HP 370	10
05-08-00012	4. Mast Life Cylinde	20
05-08-00013	5. Top - Head Assembly	8
05-08-00014	6. Super Charge	20
05-08-00015	7. Turbo Charge	20
05-08-00016	8. Governor Assembly	20
05-08-00017	9. Elevators	24
05-08-00018	10. DHD - A100	20
05-08-00019	11. Tri Cone rock Bits (size 15 & 17 1/2 inch) for medium & hard formations.	200
05-08-00020	12. Tires (15 x 22.5)	20
05-08-00021	13. Hydraulic pumps	10
05-08-00022	14. Gear drive for rotary	5
05-08-00023	15. Swivel repair kit	50
05-08-00024	16. Swivel hose	10
05-08-00025	17. Steel wire for drawworks	700m
05-08-00026	18. Mast jack and repair kit	14
05-08-00027	19. Draw works (complete)	5
05-08-00028	20. Rotary repair kits	4
05-08-00029	21. Coupling for rotary drive	10
05-08-00030	22. Hydraulic motors	6
05-08-00031	23. Kelly size 5 1/2"	7
05-08-00032	24. Centralizing jacks for rigs	5 sets
05-08-00033	25. Overhaul repair kits for engine	6 sets
05-08-00034	26. Shaft for mud pumps 7 1/2 x 10	60
05-08-00035	27. Rotary table for SS-22	1
	Spare Parts and Accessories for drilling rigs type INGERSOLRAND	
05-08-00036	1. Complete top head drive	2
05-08-00037	2. Complete engine 650hp V12	2
05-08-00038	3. Different hydraulic pumps complete with motors	8
05-08-00039	4. Engine cooling radiators	2
05-08-00040	5. Mast cylinders and repair kits	4
05-08-00041	6. Pull down cylinders with repair kits	4
05-08-00042	7. Different control valves for control board	10
05-08-00043	8. Hydraulic hoses	2 sets
05-08-00044	9. Foam injection pump	2
05-08-00045	10. Overhaul hydraulic filters	2
05-08-00046	11. Centralization jacks with repair kits	1 set
05-08-00047	12. Belt for coupling unit	2

	Spare Parts and Accessories for drilling rigs type PORTADRILL	
05-08-00048	1. Complete top head drive	2
05-08-00049	2. Complete engine 650hp V12	4
05-08-00050	3. Different hydraulic pumps complete with motors	12
05-08-00051	4. Engine cooling radiators	2
05-08-00052	5. Mast cylinders and repair kits	4
05-08-00053	6. Pull down cylinders with repair kits	4
05-08-00054	7. Different control valves for control board	20
05-08-00055	8. Hydraulic hoses	4 sets
05-08-00056	9. Foam injection pump	4
05-08-00057	10. Overhaull hydraulic filters	4
05-08-00058	11. Centralization jacks with repair kits	2 sets
05-08-00059	12. Belt for coupling unit	4
	Spare Parts and Accessories for drilling rigs type IBA15	
05-08-00060	1. Rotary table type URB	8
05-08-00061	2. Swivel complete type URB	10
05-08-00062	3. Kelly 3 1/2 with sub of 2 7/8	10
05-08-00063	4. Complete engine MAZ 180hp V6	10
05-08-00064	5. Shaft of mounted mud pump	100
05-08-00065	6. Hose of mud pump 5"	10
05-08-00066	7. Bush for mud pump and piston	100
05-08-00067	8. Main gear box	6
05-08-00068	9. Valves for mounted mud pump	100
05-08-00069	10. Swivel hose	10
05-08-00070	11. Different valves	10
05-08-00071	12. Steel wire for draw works	800 m
05-08-00072	13. Mast cylinder	10
05-08-00073	14. Repair kit for swivel	5 sets
05-08-00074	15. Different roll and ball bearings	100
05-08-00075	16. Different size of subs	25
05-08-00076	Casing pipes according to API. 5CT J - 55 standard (Blank and Slotted) and Johnson type screens .	75000 meter
05-08-00077	Grouting drilling pipes length 1.5 m/pc outside diameter 63.5 mm thickness 6.3 mm, weight/pc 16kg	1500
05-08-00078	Servicing rigs mounted on truck for water well maintenance and pumps installation	3