

## ANNEX AGRI -8

Sector : AGRICULTURE

Sub Sector: IRRIGATION

Activity: Surveying Instruments, Operation and maintenance of water atorage and Hydraulic Structures

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
05-08-00001	Instrumentation Requirements . See App. 10B	Improving monitoring erocesses 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 erocesses 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 .  
ATER WELL DRILLING REQUIREMENTS

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE				
05-08-00003	Truck Mounted Rotary Table Drilling Rig, capable to drill water wells up to depth (250m) with operating tools and accessories	24					
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.	26					

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 ompressors, accessories, drilling mud , foam , rock oil, CMC, Quebracho, Quik trol , Quik gel.	8					
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					
	<b>Spare Parts &amp; Accessories for existing drilling rigs, type (Speed Star - 15)</b>						
05-08-00009	* Rotary Drive	10					
05-08-00010	*Tri Cone rock Bits with subsistute different sizes and Hammer bits	2000					
05-08-00011	*Swivel repair kit	50					
05-08-00012	*Swivel hose	10					
05-08-00013	*Steel wire for drawworks different sizes	10000	meter				
05-08-00014	*Mast jack and repair kit	14					
05-08-00015	*Draw works (complete)	5					
05-08-00016	*Rotary repair kits	4					
05-08-00017	*Coupling for rotary drive	10					
05-08-00018	*Hydraulic motors	6					
05-08-00019	*Centralizing jacks for rigs	5	sets				
05-08-00020	*Overhaul repair kits for engine	6	sets				
05-08-00021	* Shaft for mud pumps 7 1/2 x 10	60					
	<b>Spare Parts for Drilling Equipments</b>						

05-08-00022	* Standard auger , excavation diam 1500mm	1					
05-08-00023	* Standard auger , excavation diam 2000mm	1					
05-08-00024	*HD auger , excavation diam 1500mm	1					
05-08-00025	* HD auger , excavation diam 2000mm	1					
05-08-00026	* Rock auger , excavation diam1500mm	1					
05-08-00027	* Rock auger , excavation diam 2000mm	1					
05-08-00028	* Tooth Esco T - 18	50					
05-08-00029	*key	100					
05-08-00030	* Rubber Retainer	100					
05-08-00031	T-18 tooth holder	20					
05-08-00032	* Tooth Esco T -25	50					
05-08-00033	* T-25 tooth holder	25					
05-08-00034	* Flex Ball control	31					
05-08-00035	*Kelly Bar for RT3, 4x12m	2					
05-08-00036	* Remote control	4					
05-08-00037	*Revolving head	8					
05-08-00038	* Thrust bearing	6					
05-08-00039	*Kelly bar for RTC, 4x12m	1					
05-08-00040	* Joint Complete	4					
05-08-00041	*bearing	18					
05-08-00042	* Flex Ball	6					
05-08-00043	* Joint	6					
05-08-00044	Casing pipes according to API .5CT J-55 standard (Blank and Slotted) and Johnson type screens with accessories	400000	meter				
05-08-00045	Grouting drilling pipes length 1.5 m/pcoutside diameter up to 200 mm	1500					
05-08-00046	Servicing rigs mounted on truck for water well maintenance and pumps installation	8					
05-08-00047	*Steel pipes up to 8 inch dia with all accessories	10000	meter				
05-08-00048	*Electric water level sounder for wells	60					
05-08-00049	*Mobile caravan mounted on chassis	180					

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05-08-00050	*Shaft boring machine up to 3 m diameter, depth up to 100 m.	1					
05-08-00051	*Geoelectrical Sounding	1					
05-08-00052	* Electromagnetic	1					
05-08-00053	*Well logging	10					
05-08-00054	* water Well rehabilitation units with accessories	10					