

AGENCY:	UNICEF		
PHASE:	VII Tranche 2		
SECTOR:	Wat San		
PROJECT:	Sub-Project 1: Urban Water Supply and Sanitation		
CODE	Description	QUANTITY	UNIT OF MEASURE
	Strengthening of Sanitation Fleet		
03-10-00001	Dumper with half cubic meter bucket, 15hp, with two years spare parts.	11	Each
03-10-00002	Tractor and trailer C/W, 2 years spare parts, operators, maintenance & parts manuals in English	15	Each
03-10-00003	Garbage collector truck , capacity 11 cum, 4 ton, type forward control with left hand drive, wheel base 4300mm, 6 cyl. in line 4-stroke, liquid cooled direct injection diesel engine with exhaust driven turbocharger and intercooler, colour-white, including garbage collector body with export specifications for Iraq with manufacturer recommended first service and fast moving spare parts kit, with manual in	10	Each
03-10-00004	Ditto but Capacity 2.5 MTN, 6 CUM.	3	Each
03-10-00005	Construction equipment, grader complete with spare parts for two years operation	4	Each
03-10-00006	Wheel loader, general purpose bucket with straight edge teeth engine: diesel engine flywheel horse power: : gross 185 hp at 2200 rpm - tyre: 20.5-22-16 nr (13) tubeless tyres	4	Each
03-10-00007	Vehicle, mobile workshop, for maintaining and repairing sanitation vehicles, complete with repairing tools and spare parts for two years operation	2	Each
03-10-00008	Excavator, wheel type, with jack hammer and (40, 60, 80, 100)cm width. 0.2 cum excavating bucket.	4	Each
03-10-00009	Road Roller with spare parts for two years operation	4	Each
03-10-00010	Heavy Duty Tipper Truck: Cab-All Steel Welded Construction, Safety Glass Applied. Maximum Payload: 20,000Kgs./13.2Cubic meters Engine; 6Cylinder Diesel In line,over head Valve,Watercooled,Direct Enjection Type. with spare parts kit	2	Each
03-10-00011	Diesel operated air compressor, complete set with spare parts for two years operation.	1	Set
03-10-00012	Hydraulic Crane, with spare parts for 2 years operation and spares/service/operation manual in English	2	Each
03-10-00013	Low-loader truck six wheel capacity 40 ton with spare parts for two years operation & English manuals.	1	Each
03-10-00014	Garbage collector truck, capacity 18CUM, Type, Forward control with left hand drive, wheel base 4300MM, 12Cylinders, in line 4-strok, liquid cooled direct injection diesel engine with exhaust driven turbocharger and intercooler, cooler white, including garbage collector body with export specifications for Iraq. Manufacturer recommended first service and fast moving spare parts KIT	1	Each
03-10-00015	Bulldozer with spare parts for two years operation and (Manual and parts) catalogue in English.	4	Each
AGENCY:	UNICEF		
PHASE:	VII Tranche 2		
SECTOR:	Wat San		
PROJECT:	Sub-Project 2: Rural Water Supplies and Sanitation		
CODE	Description	QUANTITY	UNIT OF MEASURE
	1. Construction/Repair of Water Supply and Sanitation Systems:		

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00016	Casing pipe, mild steel, Grade ST-37 as per DIN 17100, food grade for lining of water borehole, one end male threaded, heavy duty female socket on the other end, to be produced according to DIN 4922 in lengths of 5.80 m, outer diameter 9.5/8 inch	400	Each
03-10-00017	Slotted casing pipe, mild steel, Grade ST-37 as per DIN 17100, food grade for lining of water borehole, one end male threaded, heavy duty female socket on the other end, to be produced according to DIN 4922 in lengths of 5.80 m, outer diameter 9.5/8 inch	100	Each
03-10-00018	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 150mm	300	Each
03-10-00019	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 100mm	2000	Each
03-10-00020	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 75mm	3000	Each
03-10-00021	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 62mm	3000	Each
03-10-00022	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 50mm	5000	Each
03-10-00023	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 37 mm	4000	Each
03-10-00024	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 25 mm	8000	Each
03-10-00025	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 19 mm	4000	Each
03-10-00026	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 19 mm, PN 16	100	Each
03-10-00027	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 25 mm, PN 16	100	Each
03-10-00028	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 37 mm, PN 16	150	Each
03-10-00029	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 50 mm, PN 16	300	Each
03-10-00030	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 62 mm, PN 16	300	Each
03-10-00031	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 75 mm, PN 16	300	Each
03-10-00032	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 100 mm, PN 16	300	Each
03-10-00033	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 150 mm, PN 16	10	Each
03-10-00034	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 19mm, PN 16	5000	Each
03-10-00035	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 25mm, PN 16	1500	Each
03-10-00036	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 37mm, PN 16	2000	Each
03-10-00037	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 50mm, PN 16	2000	Each
03-10-00038	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 62mm, PN 16	1500	Each
03-10-00039	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 75mm, PN 16	1200	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00040	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 100mm, PN 16	600	Each
03-10-00041	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 150mm, PN 16	50	Each
03-10-00042	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 19mm. PN	400	Each
03-10-00043	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 25mm. PN	400	Each
03-10-00044	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 37mm. PN	200	Each
03-10-00045	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 50mm. PN	200	Each
03-10-00046	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 62mm. PN	200	Each
03-10-00047	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 75mm. PN	200	Each
03-10-00048	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7. FxFxF. MD 100mm. PN	200	Each
03-10-00049	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7. FxF. PN 16 ND 19 mm.	2000	Each
03-10-00050	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7. FxF. PN 16 ND 25 mm.	500	Each
03-10-00051	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 16 ND 37 mm. CCX 98 2063	500	Each
03-10-00052	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7. FxF. PN 16 ND 50 mm.	500	Each
03-10-00053	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7. FxF. PN 16 ND 62 mm.	500	Each
03-10-00054	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7. FxF. PN 16 ND 75mm	500	Each
03-10-00055	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7. FxF. PN 16 ND 100mm	500	Each
03-10-00056	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 19mm	500	Each
03-10-00057	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 25mm	500	Each
03-10-00058	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 37mm	600	Each
03-10-00059	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 50mm	600	Each
03-10-00060	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 62mm	600	Each
03-10-00061	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 75mm	400	Each
03-10-00062	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) MxM PN 16 Size 100mm	400	Each
03-10-00063	GI reducer joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxF, size 150mm x 100mm , PN 16	10	Each
03-10-00064	Malleable cast iron, hot dip galvanized reducer joints for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) FxF PN 16 Size 100 x 75 mm	100	Each
03-10-00065	Ditto but size 100 x 62 mm.	100	Each
03-10-00066	Ditto but size 100 x 50 mm.	100	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00067	Ditto but size 75 x 62 mm.	100	Each
03-10-00068	Ditto but size 75 x 50 mm.	100	Each
03-10-00069	Ditto but size 75 x 37 mm.	100	Each
03-10-00070	Ditto but size 75 x 25 mm.	100	Each
03-10-00071	Ditto but size 62 x 50 mm.	100	Each
03-10-00072	Ditto but size 62 x 37 mm.	100	Each
03-10-00073	Ditto but size 62x 25 mm.	100	Each
03-10-00074	Ditto but size 62 x 19 mm.	100	Each
03-10-00075	Ditto but size 50 x 37 mm.	100	Each
03-10-00076	Ditto but size 50 x 25 mm.	100	Each
03-10-00077	Ditto but size 50 x 19 mm.	100	Each
03-10-00078	Ditto but size 37 x 25 mm.	100	Each
03-10-00079	Ditto but size 37 x 19 mm.	100	Each
03-10-00080	Ditto but size 25 x 19 mm.	100	Each
03-10-00081	Brass non return valve, for potable water, FxF. PN 20. Size 37 mm.	100	Each
03-10-00082	Ditto but size 50 mm.	100	Each
03-10-00083	Ditto but PN 16, size 62 mm.	100	Each
03-10-00084	Ditto but size 75 mm.	100	Each
03-10-00085	Ditto but size 100 mm.	100	Each
03-10-00086	Water tap, brass, with T-handle and threaded as per ISO 228, size 20 mm (3/4 inch). PN 10	4000	Each
03-10-00087	Brass air valve ,FxF PN 16, size 100mm	10	Each
03-10-00088	Ditto but size 75mm	10	Each
03-10-00089	Ditto but size 63 mm	10	Each
03-10-00090	Ditto but size 50 mm	10	Each
03-10-00091	Ditto but size 37 mm	10	Each
03-10-00092	Ditto but size 25 mm	10	Each
03-10-00093	Submersible pump, Q= (10-18) m3/hr, head= 190-135 m, with direct coupled electrical motor and with non-return valve, control panel complete set, 150 M three core cable; suitable for control panel, tail cable and cable terminal kit, with low level cut-out electrode and cable, two years spare parts. CABLE TO BE SUPPLIED SEPERATELY FOR EACH	2	Set
03-10-00094	Ditto, but Q= 4-8 m3/hr, head= 124-90 m.	2	Set
03-10-00095	Ditto, but Q= 4-11 m3/hr, head= 220-100 m,	2	Set
03-10-00096	Ditto, but Q=18 m3/hr, head=200m	2	Set
03-10-00097	Ditto but Q= 10m3/hr, head= 140m	2	Set
03-10-00098	Deep well turbine pumping system, operating at 2,700 RPM for pumping clean water to fit in a 8 inch bore well, Q=10 cum/hr and head = 133 M at 1,200 metres altitude/elevation, 50 deg centigrade complete set with pump head, discharge flange, right angle gear drive connected to engine by universal shaft. Air or water cooled diesel engine unit with centrifugal clutch , electric starter, heavy duty oil bath, air cleaner, speed governor, silencer exhaust pipe, mounted fuel tank, with column pipes and line shafts, foot valve with strainer, water level indicator, tool-kit, spare parts for 2 years operation. O&M manual in English and spare parts catalogue	5	Set
03-10-00099	Ditto but Q = 8 cum/hr, H= 140 m,	5	Set
03-10-00100	Ditto but Q = 12 cum/hr, H= 180 m,	10	Set
03-10-00101	Air-cooled diesel engine to drive a vertical turbine pump through a right angle gear. Including cardan shafts. With centrifugal clutch, electric starter, heavy duty oil bath, air cleaner, speed governor, silencer exhaust pipe, mounted fuel tank. Max altitude 1,200m. Two years spare parts	4	Set

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00102	Diesel generator, 50 KVA,400/220V, 3-Phase, 50 Hz for continous operation complete set with control panel, comprising automatic mains circuit breaker, voltmeter, ammeter, hourmeter, emergency stop and keystack, high temperature and low oil pressure warning lamp, low fuel warning; 12V voltage regulator, battery charger, water cooled with tropical radiator, air , oil & fuel filters, speed governor, silencer, 1.5 m exhaust flexible piping, 142 liters fuel tank to run for 14 hours. spare parts for 2 years operation, operation and maintenance manual(s) and wiring diagram. in English and (if available) in Arabic- toolkit.	5	Set
03-10-00103	Diesel generator, 30 KVA,400/220V, 3-Phase, 50 Hz for continous operation complete set with control panel, comprising automatic mains circuit breaker, voltmeter, ammeter, hourmeter, emergency stop and keystack, high	5	Set
03-10-00104	Ordinary Portland cement packed in 3-ply 50 kg paper bags	5000	Ton
03-10-00105	Mild steel deformed reinforcing bars in 6 meter length (+/- 100 mm), commercial grade tensile strength: 42.5-53.5 K _a /mm ² in bundles of 1 MT. size: Dia 10 mm : average	100	Ton
03-10-00106	Ditto but size 12 mm dia.,	200	Ton
03-10-00107	Ditto but size 16 mm dia.,	75	Ton
03-10-00108	Concrete hollow/solid blocks	1000000	Each
03-10-00109	Steel door with door frame for latrine of size 0.8x1.90 metres (local procurement).	5000	Each
03-10-00110	50x50x3 mm angle iron, mild steel, of 6 metres length.	100	Each
03-10-00111	Cast iron manhole cover for medium duty carriage way, size 0.5x0.5 M.	1500	Each
03-10-00112	Cast iron manhole cover for light duty domestic use, size 0.3x0.3 M.	1500	Each
03-10-00113	Mud bricks, size 7x11x22 cm	2500000	Each
03-10-00114	Squatting FRP latrine pan with P-trap of standard design with 20 mm water seal, material: specification: as per IS 11246-1985	10000	Each
03-10-00115	PVC pipes for sanitary purposes with spigot and socket type suitable for solvent cement joining, with ends protection. Size 90 mm OD 6m length and 5-6 bar	1000	Each
	2. Training and Capacity Building		
CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00116	Buldozer with 2 years spare parts, Operation and maintenance Manual in English and Arabic if possible.	1	Each
03-10-00117	Community maintenance tool kit consisting of the following: 1. Lubricating oil can, 200 ml capacity 2. Flat spanner set with open end one side and box type on other end of same size (10, 12, 14, 17, 19 and 22 mm) 3. Adjustable wrench, 200 mm length 4. Pipe wrench, 460 mm length 5. Pipe wrench, 600 mm length 6. Screw driver, 300 mm length	100	Each
03-10-00118	Vehicle Station Wagon 4WD, 7 seater, 5-speed floor shift, LHD, 4200cc diesel engine, white colour, complete with standard UN and export specifications for Iraq, including rear seat belts, with air conditioner, fire extinguisher, front grill guard, rear window wiper, Jerry can 20 liters with holder	2	Each
03-10-00119	Vehicle PICKUP Double cabin, 4 WD, long wheel base 2700 cc petrol engine, 5-speed floor shift, colour-white, left hand drive incl. air conditioner, power steering, fire extinguisher, FR/RR mud guards with export specifications for Iraq. Plus spare parts	3	Each
03-10-00120	UPS, 250 VA, 220/240 V	2	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00121	Paper for photocopiers and printers, size A4/210 x 297 mm	150	Ream
03-10-00122	Ditto, but A3 size	75	Ream
03-10-00123	H2S strips for testing bacteriological contamination of water (small bottles)	5000	Each
03-10-00124	Toner for photocopier colour black.	10	Each
03-10-00125	Colour LASER printer with accessories and extra toner	2	Set
03-10-00126	Laser jet printer, A3 & A4. additional 8MB ram, with 1 extra toner cartridge	2	Set
03-10-00127	Desk-top computer. Pentium with monitor, complete with all accessories and attachments.	8	Set
03-10-00128	Heavy duty Photocopier, with 10 toner cartridges, 20 bin stapler sorter, staples, copy drum, spare parts for two years operations and English manual for parts/services/operation	2	Set
03-10-00129	Voltage regulator for photocopier 8 Amp, 220-240 V	3	Each
03-10-00130	Keyboard No. 10636840, 1 pcs. GDF12 tribrach with opt. plummet No. 10664828, 1 pcs. GEB77 plug-in battery, 12V/0.6 Ahm No. 10439149, 1 pcs. GKL22 Charger 230 Volt, EU-standard No. 106366983, 1 pcs. GST20 Tripod, telescopic No. 10296632, angle measurement according to DIN 18723, Battery module to be used continuous for 12	3	Each
03-10-00131	Wheel loader, general purpose bucket with straight edge & teeth, -diesel engine - Flywheel horsepower gross 185HP at 2,200 RPM - Tyre: 20.5-22 16 PR (L3) tubeless tyres- Sun canopy without steel Cabin	2	Each
03-10-00132	Levelling instrument w/tripod with all accessories and necessary attachments	2	Each
03-10-00133	Colour Scanner, including software	1	Each
03-10-00134	Battery, 12V x 11P x 60 ampere, for pick-up	20	Each
03-10-00135	Battery, 12V x 19P x 135 ampere.	20	Each
03-10-00136	Battery, 12V x 13P x 90 ampere, for station wagon 4wd	20	Each
03-10-00137	Tyre with internal tube, size 205x16 .	50	Each
03-10-00138	Tyre with internal tube, size 16 x 750	50	Each
03-10-00139	Tyre with internal tube, size 195x15 .	50	Each
03-10-00140	Tyre with internal tube, size 1200x24	60	Each
03-10-00141	Tyre with internal tube, size 1100x20	40	Each
03-10-00142	Tyre with internal tube, size 1200x20	40	Each
03-10-00143	Tyre with internal tube, size 25x17.5 for wheel loaders.	8	Each
03-10-00144	Tyre with internal tube, size 25x20.5 for wheel loaders.	8	Each
03-10-00145	Tyre with internal tube, size 1300x24 for grader.	12	Each
03-10-00146	Tyre with internal tube, size 1400x24 for grader.	12	Each
03-10-00147	Vehicle, Service truck with rear cab crane 8.5 tons lifting capacity and fixed body.	1	Each
03-10-00148	Mobile caravan of 5m length, 2.6 m height, 2.1m height installed on four wheel the front wheel should be movable and to be pulled by any heavy truck, contains 6 beds, washing basin, air conditioner capacity 2 ton, office table and three flexible chairs with all other accessories	2	Each
03-10-00149	Alignment telescope / Range finder	4	Each
03-10-00150	Mobile concrete mixer (1000)L,	4	Each
03-10-00151	Vehicle General Cargo diesel truck 16 ton,	4	Each
03-10-00152	Laptop computer, Pentium, complete with carrying bag and all accessories. attachments.	4	Set
03-10-00153	Spare part for the complete rig unit including rig unit including desk engine, compressor, DTH hammers and mudpump for two years operation: for Complementary parts for Atlas Copco drilling rig AQUA well drill 1000:	1	Set
03-10-00154	Drilling tools and accessories: for Complementary parts for Atlas Copco well drilling rig AQUA drill 1000:	1	Set
03-10-00155	Service Training and Commissioning: for Complementary parts for Atlas Copco well drilling rig AQUA drill 1000:	1	Set

CODE	Description	QUANTITY	UNIT OF MEASURE
03-10-00156	Welding rectifier three phase 380V, max. power required 15.6 KVA adjustment range 30-250 A with set of cables 2K x 10m 35 mm ² x 2 core	2	Each
AGENCY:	UNICEF		
PHASE:	VII Tranche 2		
SECTOR:	Wat San		
PROJECT:	Sub-Project 3: Hygiene Education		
CODE	Description	QUANTITY	UNIT OF MEASURE
	Development and Printing of IEC materials		
03-10-00157	Vehicle, PICKUP Double cabin, 4 WD, long wheel base 2700 cc petrol engine, 5-speed floor shift, colour-white, left hand drive incl. air conditioner, power steering, fire extinguisher, FR/RR mud guards with export	1	Each
03-10-00158	Paper for photocopiers and printers. size A4/210 x 297	50	Ream
03-10-00159	Ditto. but A3 size	25	Ream
03-10-00160	Colour LASER printer with accessories and extra toner	1	Set
03-10-00161	Desk-top computer. Pentium with colour monitor, complete with all accessories and attachments.	1	Set
03-10-00162	Heavy duty Photocopier, with 10 toner cartridges, 20 bin stapler sorter, staples, copy drum, spare parts for two years operations and English manual for	1	Set
03-10-00163	Coloured Scanner, including software	1	Each
03-10-00164	Voltage regulator for photocopier 8 Amp, 220-240 V	2	Each
03-10-00165	UPS, 250 VA, 220/240 V	2	Each