

AGENCY: UNICEF Water and sanitation, Phase VIII
 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00001	Casting diameter: 13 3/8 outer diameter as per API standard, Casting 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.	1,240	Each
03-07-00002	Casting diameter: 12 3/4" outer diameter as per API standard, Casting 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.	410	Each
03-07-00003	Hydraulic oil Harmony AW 32,	3,160	Ltr
03-07-00004	Compressor oil	1,440	Ltr
03-07-00005	Rock drill oil (RD),Grade 30	440	Ltr
03-07-00006	Bentonite according to API specifications,	10	Ton
03-07-00007	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 150mm PN 25.	1,600	Each
03-07-00008	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 100mm PN 25.	6,000	Each
03-07-00009	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 75mm PN 25.	8,200	Each
03-07-00010	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 62mm PN 25.	11,000	Each
03-07-00011	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 50mm PN 25.	11,300	Each
03-07-00012	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 37 mm PN 25,	8,350	Each
03-07-00013	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 25 mm PN 25.	3,700	Each
03-07-00014	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 19 mm PN 25.	5,500	Each
03-07-00015	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 19 mm, PN 16.	60	Each
03-07-00016	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 25 mm,PN 16.	60	Each
03-07-00017	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 37 mm, PN 16.	500	Each
03-07-00018	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 50 mm, PN 16.	600	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00019	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 62 mm, PN 16.	550	Each
03-07-00020	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 75 mm, PN 16.	420	Each
03-07-00021	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 100 mm, PN 16.	350	Each
03-07-00022	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS 21 (ISO R7), ND = 150 mm, PN 16.	20	Each
03-07-00023	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 19mm, PN 25.	13,500	Each
03-07-00024	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 25mm, PN 25.	5,000	Each
03-07-00025	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 37mm, PN 25.	6,500	Each
03-07-00026	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 50mm, PN 25.	4,900	Each
03-07-00027	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 62mm, PN 25.	4,100	Each
03-07-00028	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 75mm, PN 25.	3,000	Each
03-07-00029	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 100mm, PN 25.	1,450	Each
03-07-00030	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, FxF, ND 150mm, PN 25.	70	Each
03-07-00031	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	100	Each
03-07-00032	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	250	Each
03-07-00033	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size 2	350	Each
03-07-00034	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	350	Each
03-07-00035	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	400	Each
03-07-00036	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	250	Each

AGENCY: UNICEF Water and sanitation, Phase VIII
 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00037	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, PN 25. Size	30	Each
03-07-00038	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 19mm, PN 25	1,750	Each
03-07-00039	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 25mm, PN 25	2,500	Each
03-07-00040	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 37mm, PN 25	2,200	Each
03-07-00041	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 50mm, PN 25	1,700	Each
03-07-00042	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 62mm, PN 25	1,900	Each
03-07-00043	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 75mm, PN 25	1,200	Each
03-07-00044	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, FxFxF, MD 100mm, PN 25	950	Each
03-07-00045	GI equal tee joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxFxF, MD 150mm, PN 25	30	Each
03-07-00046	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 25 ND 19 mm.	8,000	Each
03-07-00047	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 25 ND 25 mm.	1,700	Each
03-07-00048	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 25 ND 37 mm.	1,550	Each
03-07-00049	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 25 ND 50 mm.	1,350	Each
03-07-00050	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R7, FxF, PN 25 ND 62 mm.	1,450	Each
03-07-00051	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxF, PN 25 ND 75mm	1,600	Each
03-07-00052	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxF, PN 25 ND 100mm	1,150	Each
03-07-00053	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxF, PN 25 ND 150mm	55	Each

AGENCY: UNICEF Water and sanitation, Phase VIII
 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00054	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 19mm.	2,100	Each
03-07-00055	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 25mm .	2,100	Each
03-07-00056	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 37mm inch.	2,100	Each
03-07-00057	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 50mm.	1,300	Each
03-07-00058	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 62mm.	1,200	Each
03-07-00059	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 75mm.	800	Each
03-07-00060	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 100mm.	700	Each
03-07-00061	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. PN 25. Size 150mm.	60	Each
03-07-00062	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF. PN 25. Size 19 mm.	500	Each
03-07-00063	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF. PN 25. Size 25 mm.	200	Each
03-07-00064	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF. PN 25. Size 37 mm.	100	Each
03-07-00065	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF. PN 25. Size 50 mm.	100	Each
03-07-00066	GI reducer joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, FxF, size 150mm x 100mm , PN 25	20	Each
03-07-00067	Malleable cast iron, hot dip galvanized reducer joints for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF. PN 25. Size 100 x 75 mm	350	Each
03-07-00068	Ditto but size 100 x 62 mm.	330	Each
03-07-00069	Ditto but size 100 x 50 mm	430	Each
03-07-00070	Ditto but size 75 x 62 mm.	450	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00071	Ditto but size 75 x 50 mm.	500	Each
03-07-00072	Ditto but size 75 x 37 mm.	850	Each
03-07-00073	Ditto but size 75 x 25 mm.	450	Each
03-07-00074	Ditto but size 62 x 50 mm.	650	Each
03-07-00075	Ditto but size 62 x 37 mm	800	Each
03-07-00076	Ditto but size 62x 25 mm.	750	Each
03-07-00077	Ditto but size 62 x 19 mm.	600	Each
03-07-00078	Ditto but size 50 x 37 mm.	1,350	Each
03-07-00079	Ditto but size 50 x 25 mm.	500	Each
03-07-00080	Ditto but size 50 x 19 mm.	600	Each
03-07-00081	Ditto but size 37 x 25 mm.	950	Each
03-07-00082	Ditto but size 37 x 19 mm.	850	Each
03-07-00083	Ditto but size 25 x 19 mm.	1,600	Each
03-07-00084	Malleable cast iron, hot dip galvanized end plugs for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7). Male type. PN 25. Size 19 mm.	50	Each
03-07-00085	Ditto but size 25 mm.	50	Each
03-07-00086	Ditto but size 37 mm.	50	Each
03-07-00087	Ditto but size 50 mm.	150	Each
03-07-00088	Ditto but size 62 mm	150	Each
03-07-00089	Ditto but size 75 mm.	100	Each
03-07-00090	Ditto but size 150 mm.	10	Each
03-07-00091	Brass non return valve, for potable water, FxF. PN 20. Size 37 mm.	150	Each
03-07-00092	Ditto but size 50 mm	200	Each
03-07-00093	Ditto but PN 16, size 62 mm.	230	Each
03-07-00094	Ditto but size 75 mm.	200	Each
03-07-00095	Ditto but size 100 mm.	160	Each
03-07-00096	Ditto but size 150 mm.	5	Each
03-07-00097	Water tap, brass, with T-handle and threaded as per ISO 228, size 20 mm (3/4 inch). PN	6,500	Each
03-07-00098	Brass air valve ,F*F PN 25, size 100mm	20	Each
03-07-00099	Ditto but size 75mm	20	Each
03-07-00100	Ditto but size 63 mm	20	Each
03-07-00101	Ditto but size 50 mm	20	Each
03-07-00102	Ditto but size 37 mm	20	Each
03-07-00103	Ditto but size 25 mm	20	Each
03-07-00104	Submersible pump type SP17-18, MS 6000 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 PUMP AND TO BE INSTALLED ON NEW BOREWELL complete with 50 riser GI pipes each of 3ml.	10	Set
03-07-00105	As in item 104, submersible pump type SP8A-21, MS 4000. CABLE TO BE SUPPLIED SEPERATELY FOR EACH PUMP AND TO BE INSTALLED ON NEW	7	Set

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 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00106	As in item 104, submersible pump type SP8A-44, MS 6000. CABLE TO BE SUPPLIED SEPERATELY FOR EACH PUMP AND TO BE INSTALLED ON NEW BOREWELL, complete with 50 riser GI pipes each of 3ml.	10	Set
03-07-00107	Submersible pump with direct coupled with electrical motor, 400 V, 50 Hz, 3 Phases, SP 17-20, MS 6000.	3	Each
03-07-00108	As in item 107 but, SP 17-15, MS 6000.	3	Each
03-07-00109	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 with appropriate seaworthy packing. Please note that temperatures in summer exceeds 50 degree Celsius and reaches -15 degree Celsius in winter. with the set 40 No. mild steel welded hot dip galvanized pipes of 3m length, complete with 40 No. mild steel welded hot dip galvanized pipes of 3m length, (the unit is set)	29	Set
03-07-00110	Ditto but Q = 8 cum/hr, H= 140 m,	12	Set
03-07-00111	Ditto but Q = 12 cum/hr, H= 180 m, complete with 40 No. mild steel welded hot dip galvanized pipes of 3m length, (the unit is set)	9	Set
03-07-00112	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. Please note that temperatures in summer exceeds 50 degree Celsius and reaches -15 degree Celsius in winter	9	Set

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00113	Electric Motor for driving vertical turbine pump, squirrel cage motor, complete set, from 15 to 45 degree Celsius maximum with relative humidity < 90%, max altitude 1,200m, 380V, 50HZ, 3PH, 2900-3000 RPM, insulation class F, speed 2 poles, protection degree IP55. Capacity 15 KW, for BP 27-15	4	Set
03-07-00114	Ditto but capacity 22 KW, for BP 45-12	4	Set
03-07-00115	Handpump, INDIA MARK III, 40 m well- Cat No. 9184, complete set including connecting rods and riser pipes	150	Set
03-07-00116	Deepwell turbine pump complete with body(bowls and impellers), discharge column(Coloum pipe elements and lineshaft), drivehead (electric motor), capacity Q=15 cum/hr(max), head=124 M (min). Complete with bowl assembly, pump head and discharge flange with 2.5 inch BSP thread, electric motor 3x380/660V, 50Hz, (RPM 2900) with housing guard direct coupled with pump head, top column pipe 3 inch length 0.485M threaded with 8 threads per inch, complete with 3/4 inch line shaft, mechanical shaft seal and coupling, intermediate column pipe 3 inch line shaft, column bearing and liner, suction pipe 3 inch, length 1.64M with 3 inch spring loaded foot-valve with strainer 50M cable 4x6MM2 and 4 PCS cable gland, spare parts for two years operatoin. O&M manual in English	2	Set
03-07-00117	Horizontal electrical motor for vertical Turbine pumps , through right angle gear, 400 V , 50 Hz, 3 P and 1470 RPM : Capacity : 15 Kw, for BP 27-15	6	Set
03-07-00118	Ditto but capacity 22 Kw, for BP 45-12	2	Set
03-07-00119	Diesel generator, 100 KVA,400/220V, 3-Phase, 50 Hz for continous operation complete set with control panel, comrising automatic mains circuit breaker, voltmeter, ammeter, hourmeter, emergency stop and keystart, 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, scilencer, 1.5 m exhaust flexible piping, 185 liters fuel tank to run for 8 hours. Model TC 100 FM type:8061 SI 16 also including: spare parts for 2 years operation, operation and maintenance manual(s) and wiring diagram, in English and (if available) in Arabic- toolkit packed in strong wooden crate, with operation and Spares /Service / Operation manual (English)	1	Each

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 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00120	UNICEF Commodity Code: 461132 Diesel generator, 50 KVA,400/220V, 3-Phase, 50 Hz for continous operation complete set with control panel, comrising automatic mains circuit breaker, voltmeter, ammeter, hourmeter, emergency stop and keystart, high temperature and low oil pressure warnning lamp, low fuel warning; 12V voltage regulator, battery charger, water cooled with tropical radiator, air , oil & fuel filters, speed governor, scilencer, 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 packed in strong wooden crate, with operation and Spares / Service/ Operation manual (English)	7	Each
03-07-00121	Diesel generator, 30 KVA,400/220V, 3-Phase, 50 Hz for continous operation complete set with control panel, comrising automatic mains circuit breaker, voltmeter, ammeter, hourmeter, emergency stop and keystart, high	5	
03-07-00122	Ordinary Portland cement packed in 3-ply 50 kg paper bags (equivalent to BS12)	7,000	Ton
03-07-00123	Mild steel deformed reinforcing bars in 6 meter length (+/- 100 mm), commercial grade tensile strength: 42.5-53.5 Kg/mm2 in bundles of 1 MT. size: Dia 10 mm : average weight	185	Ton
03-07-00124	Ditto but size 12 mm dia.	80	Ton
03-07-00125	Ditto but size 16 mm dia.	23	Ton
03-07-00126	Mild steel binding wire (flexible), 1 mm diameter, fully annealed, used to tie reinforcing bars for concrete work, supplied in coils of 50 kg (approx)	1,040	Kg
03-07-00127	Concrete holow blocks of size 20x20x40 cm and of size 15x20x40 solid , (in thousand)	1,400	Each
03-07-00128	Steel door with door frame for latrine of size 0.8x1.90 metres	8,700	Each
03-07-00129	50x50 mm angle iron, mild steel, of 6 metres length.	550	Each
03-07-00130	Cast iron manhole cover for medium duty carriage way, size 0.5x0.5 M.	5,000	Each
03-07-00131	Cast iron manhole cover for light duty domestic use, size 0.3x0.3 M.	6,100	Each
03-07-00132	Mud bricks, size 7x11x22 cm (in thousand)	3,625	Each
03-07-00133	Squatting FRP latrine pan with P-trap of standard design with 20 mm water seal, material: specification: as per IS 11246-1985 or equivalent	18,400	Each
03-07-00134	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	12,450	Each

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 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-07-00135	Roofing Sheet, steel corrugated, galvanized, low carbon steel, lengthwise sinus sendzimir process, commercial prime quality. - Zinc Coated on both sides 275 G/M 2 - 11 Corrugations 16 X 76MM - 20 Guage B.G. (0.26MM) before gulvanizing - Overall width 900MM - Sheet length 2,000MM Packed in bundles of 100 sheets, export packed, covered with thick plastic, steel enveloped, banded on two wooden skids.	12,000	Each
	Spare Parts for Aquadrill 2500		
03-07-00136	Hydraulic Pump drive:		
	Coupling shaft, part No. 6990103167	1	Each
	Gear box, part No. 6990102806	1	Each
03-07-00137	Compressor oil filter		
	Oil filter assay, part No. 6990103173	2	Each
03-07-00138	Compressor air cleaner		
	Safety element, part No. 3965296400	4	Each
	Primary element, part No. 3965296200	4	Each
03-07-00139	Compressor intake		
	Cylinder inlet control, part No. 6990101559	1	Each
03-07-00140	Compressor control parts:		
	Regulator (porp), part No. 6990101666	1	Each
	Pilot valve, part No. 6990101667	1	Each
	Filter coalescing, part No. 6990100747	1	
03-07-00141	Compressor & air selector valve		
	Valve ball, part No. 3965088504	1	Each
	Air /oil tank group		
	Separator kit, part No. 3956357600	2	Each
03-07-00142	Compressor drive coupling & mounting		
	Coupling Assay, part No. 6990101388	1	Each
	Element, part No. 6990101389	1	Each
	Drive ring, part No. 6990101390	1	Each
	Drive nub, part No. 6990101728	1	Each
	Bushing, part No. 6990101729	1	Each
	Air valve parts		
	Hydraulic cylinder, part No. 3965153900	1	Each
	Control lever assay, part No. 3965301400	1	Each
	Hose air 2", part No. 3960097000	1	
	Hose air 2", part No. 3960197200	1	Each
	Hose air 2", part No. 6990100630	1	
03-07-00143	Cooler fan motor connection		
	Hydraulic motor, part No. 2999-0075 (x)	1	Each
03-07-00144	Lubricator ON- OFF valve		
	Lubricator, part No. 6990100674	1	Each
03-07-00145	Hydraulic pump1, 3, 4 & hydraulic pump gearbox parts		
	Coupling, part No. 3965348800	1	Each
	Hydraulic pump, part No. 6990102832	1	
	Hydraulic pump, part No. 6990103194	1	Each
	Hydraulic pump, part No. 6990100803	1	Each
	Hydraulic pump 2, 5		

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Hydraulic pump, part No. 6990102832	1	Each
	Hydraulic pump, part No. 6990102836	1	Each
03-07-00146	Slow feed circuit parts:		
	Relief valve assay, part No. 6990101030	1	Each
	Relief valve cartridge, part No. 6990101032	1	Each
03-07-00147	Rotation gear box circuit		
	Air hose, part No. 6990100630	2	Each
	Valve assey, part No. 6990101039	1	Each
03-07-00148	Mast assembly bottom parts		
	Pipe seal, part No. 3965345200	2	Each
	Guide slip 8 inch, part No. 6990103068	2	Each
	Guide slip 114 mm, part No.3965359800	2	Each
	Guide slip 12-18 inch, part No.6990102823	2	Each
03-07-00149	Mud pump discharge piping parts		
	Air/Mud hose 2", part No. 6990103274	1	Each
	Air/Mud hose , part No. 6990103275	1	Each
	Nipple, part No. 6990103276	2	Each
	Coupler, part No. 6990103277	2	Each
	Clamp, part No. 6990103278	2	Each
	Air/Mud hose 2 1/2", part No. 6990103279	1	Each
	Air/mud hose, part No., 6990103280,	4	Mtr
	Nipple, part No. 6990103281	2	
	Coupler, part No. 6990103282	2	Each
	Clamp, part No. 6990103283	2	Each
03-07-00150	Piston mud pump parts:		
	Suction hose, part No. 31410008	1	Each
	Hose, part No. 9H080004	1	Each
	Nipple, part No. 20180036	2	
	Adapter, part No. 9910128	1	Each
	Clamp, part No. 5560011	4	Each
03-07-00151	Floating Sub assy.		
	Tube, air seal, part No. 6990102376	1	Each
	Tube, tourque, part No.6990102377	1	Each
	Wiper strip, part No.3960045600	1	Each
	O- ring, part No.3960120000	1	Each
	Floating sub shaft, part No.6990388400	1	Each
	Collart, part No.3960094700	1	Each
	Adaptor, part No.6990102487	1	Each
03-07-00152	Break- out cylinder		
	Repair kit, part No.3960042800,	1	Each
03-07-00153	Feed cylinder		
	Repair kit, part No.3965370000	1	Set
03-07-00154	Front outrigger cylinder		
	Repair kit, part No., 3965114000	1	Set
03-07-00155	Mast tilt cylinder		
	Repair kit, part No. 3965349800	1	Set
03-07-00156	Rear outrigger cylinder		
	Repair kit, part No. 3965175600	1	Set
03-07-00157	Jib boom Extend cylinder		
	Repair kit, part No.3965296100	1	Set
03-07-00158	Jib boom swing cylinder		
	Repair kit, part No.3965368300	1	Set
03-07-00159	Air valve cylinder		

AGENCY: UNICEF Water and sanitation, Phase VIII
 PROJECT: **2.1 Construction / Repair of Water Supply and Sanitation Systems:**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Repair kit, part No.3960175800	1	Set
03-07-00160	Slip box & holding wrench cylinder		
	Repair kit, part No.6990101364	1	Set
03-07-00161	Gear box slide cylinder		
	Repair kit, part No. 6990101364	1	Set
03-07-00162	Rotation gear box assembly		
	Bearing cup, part No.3965066900	2	Each
	Bearing cup, part No.3965066700	2	Each
	Bearing cone, part No.3965066600	2	Each
	Bearing cone, part No.3965071500	2	Each
	Hydraulic motor, part No. 3965311100	2	Each
	Shaft seal kit, part No.3965355100	1	Each
	Motor seal kit, part No.3965355000	1	Each
	Shaft seal, part No.6990101496	1	Each
	Pinion, part No.3965310600	2	Each
	Oil seal retainer, part No. 3965064400	1	Each
	O- ring, part No.3965067400	2	Each
	Oil seal, part No.3965152200	2	Each
	O- ringpart No.3960097800	2	Each
	O- ring, part No.3965311000	2	Each
	Drive gear, part No.3965309600	2	Each
03-07-00163	Pipe Wrench		
	Wrench assay, part No. 8092012890	2	Each
	Jaw hook, part No. 3965014400	3	Each
03-07-00164	Mild Steel GI Riser Pipes, for submersible pumps, 3m long, threaded, PN 25 bars, diameter ND=2"	800	EA
03-07-00165	Same as item above, but ND=2 1/2"	750	EA
03-07-00166	Same as item above, but ND=3"	1,300	EA
03-07-00167	Same as item above, but ND=4"	350	EA
03-07-00168	Mild Steel GI Riser Pipes, 3m long, threaded, PN 25 bars, diameter ND=2"	600	each
03-07-00169	Mild Steel GI Riser Pipes, 3m long, threaded, diameter ND=2 1/2"	550	each