

## UNICEF - WATER & SANITATION - PHASE VII

### 1.1 Construction/Renovation/Expansion/Repair of Water Supply Systems

Code	Description	Qty	Unit
03-03-00001	Submersible pump with direct coupled electrical motor and with non-return valve, control panel, 150 m three core cable and cable termination kit. Q = 10 cum/hr (min), head = 210 m (max), (SP 16-24), 380 V, 50 Hz, 3 Ph for 6.0 and 8.0 inches cased borewell.	4	Each
03-03-00002	Ditto item 1, but Q=14cum/hr (min), head=135M (max), (SP 27-14).	3	Each
03-03-00003	Ditto item 1, but Q=14cum/hr (min), head=185M (max), (SP 27-19).	4	Each
03-03-00004	Ditto item 1, but Q=14cum/hr (min), head=270 M (max), (SP 27-28).	7	Each
03-03-00005	Ditto item 1, but Q=22cum/hr (min), head=310 M (max), (SP 45-31).	1	Each
03-03-00006	Ditto item 1, but Q=2 cum/hr (min), head=115 M (max), (SP 8A-21).	2	Each
03-03-00007	Ditto item 1, but Q=16 cum/hr (min), head=280 M (max), (SP 25-30).	1	Each
03-03-00008	Ditto item 1, but (SP 8A-37).	2	Each
03-03-00009	Ditto item 1, but Q=50 cum/hr (min), head=135 M (max), (SP 77-10).	3	Each
03-03-00010	Ditto item 1, but (SP 27-24).	2	Each
03-03-00011	Submersible pump, Q=750cum/hr (min), head=70M (max), 1450 rpm, 180 Kw, 400V 50Hz, 3Ph.	6	Each
03-03-00012	Ditto item 1, but Q=22cum/hr (min), head=310M (max), (SP 46-23).	5	Each
03-03-00013	Steel spiral welded pipe 600mm thickness 8mm, PN 25 bar 12 meter long.	580	Each
03-03-00014	Pipe Mild steel medium series, longitudinally welded(High induction frequency welding), to be used for water distribution purposes, hot dipped galvanized and passivated, each pipe to be hydro tested to tested as per eddy current method, to be manufactured as per ISO65-1981 from ST-37 commercial grade steel coil as per DIN 17100, both ends male threaded to ISO 7, duly galvanized and chamfered, socket one end with a galvanized socket, parallel thread and the other end protected with a HDPE threaded protected, covering enter pre greased thread of pipe and socket thread to be protected with oil, pipe length (excluding socket length): 6.00 meters (+0/-25mm) nominal diameter 150mm.	50	Each
03-03-00015	Ditto item 14 but ND = 200mm.	50	Each
03-03-00016	Ditto item 14 but ND = 250mm.	50	Each
03-03-00017	Ditto item 14 but ND = 300mm.	50	Each
03-03-00018	Motor set for submersible pump with tail cable and cable joint and control panel, 400V, 50HZ, 3PH, capacity 3.7KW	3	Each
03-03-00019	Ditto item 18 but capacity 5.5KW	4	Each

03-03-00020	Ditto item 18 but capacity 7.5KW	2	Each
03-03-00021	Ditto item 18 but capacity 11.0KW	6	Each
03-03-00022	Ditto item 18 but capacity 15.0KW	5	Each
03-03-00023	Ditto item 18 but capacity 18.5KW	4	Each
03-03-00024	Ditto item 18 but capacity 22.0KW	4	Each
03-03-00025	Ditto item 18 but capacity 30.0KW	4	Each
03-03-00026	Ditto item 18 but capacity 37.0KW	4	Each
03-03-00027	Flexible electrical power cable for deep well submersible motors size 3x16 mm <sup>2</sup>	1500	ML
03-03-00028	Ditto as item 27 but size 3x10 mm <sup>2</sup>	1000	Each
03-03-00029	Ditto as item 27 but size 3x6 mm <sup>2</sup>	1500	Each
03-03-00030	Ditto as item 27 but size 3x4 mm <sup>2</sup>	1000	Each
03-03-00031	Control panel for submersible 11.00 KW motor with main switch circuit breaker phase failure relay, timer relay, over load relay, ammeter, and voltmeter, 380 Volt, 50 Hz, 3 PH, auto-transformer starter.	8	Each
03-03-00032	Ditto item 31 but capacity motor 18.5KW	4	Each
03-03-00033	Ditto item 31 but capacity motor 22.0 KW	6	Each
03-03-00034	Ditto item 31 but capacity motor 30.0 KW	5	Each
03-03-00035	Ditto item 31 but capacity motor 37.0 KW	2	Each
03-03-00036	Ditto item 31 but capacity motor for 75.0 KW	2	Each
03-03-00037	Deep well turbine pump capacity Q=14cum/hr(min), head=160M (max), BP27-16. Complete with bowl assembly, pump head and discharge flange with 3 inch BSP thread, electric motor 3x380/660V, 50Hz, 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 4x6MM <sup>2</sup> and 4 PCS cable gland, spare parts for two years operation, O&M manual in English with appropriate packing.	2	Each
03-03-00038	Ditto item 37, Q=22cum/hr (min), H=165m (max), (BP 45-16), or equivalent	1	Each
03-03-00039	Ditto item 37, Q=14cum/hr ), H=95m (max), (BP 27-10)	2	Each
03-03-00040	Ditto item 37, Q=22cum/hr (min), H=155m (max), (BP 45-12)	2	Each
03-03-00041	Column bearing with vulcanized rubber outer sleeve and rubber linings with bushes of synthetic material for vertical turbine pumps, size 3 x 1/2 inch	50	Each
03-03-00042	Ditto item 41 but size 3 x 5/8 inch	50	Each
03-03-00043	Ditto item 41 but size 3 x 3/4 inch	50	Each
03-03-00044	Ditto item 41 but size 4 x 3/4 inch	50	Each
03-03-00045	Ditto item 41 but size 4 x 7/8 inch	50	Each
03-03-00046	Sealing set for shaft seal for vertical turbine pumps size 5/8 inch	30	Each
03-03-00047	Ditto item 46 but size 3/4 inch	20	Each
03-03-00048	Ditto item 46 but size 7/8 inch	20	Each
03-03-00049	Shaft coupling for vertical turbine pumps size 5/8 inch	20	Each
03-03-00050	Ditto item 49 but size 3/4 inch	20	Each

03-03-00051	Ditto item 49 but size 7/8 inch	20	Each
03-03-00052	Driver for vertical turbine pump type BP 16/27/45 size 3/4 inch	6	Each
03-03-00053	Ditto item 52 but size 5/8 inch	6	Each
03-03-00054	Ditto item 52 but size size 7/8 inch	6	Each
03-03-00055	Line shaft with shaft with coupling for vertical turbine pumps, size 5/8 inch x 1.8 m	20	Each
03-03-00056	Ditto item 55 but size 3/4 inch x1.8m	20	Each
03-03-00057	Ditto item 55 but size 7/8 inch x1.8m	20	Each
03-03-00058	Gland packing size 1/2 inch; pH 5-8.5 RPM = 2440 H = 80m	450	ML
03-03-00059	Gland packing size 3/4 inch pH 5-8.5 RPM = 2440 H = 150m	430	ML
03-03-00060	Gland packing size 3/8 inch pH 5-8.5. RPM = 2900, 20 bar	430	ML
03-03-00061	Gland packing size 5/8 inch pH 5-8.5 RPM = 2440 H = 40m	430	ML
03-03-00062	Centrifugal booster pump for pumping treated water . Q=150 cum/hr, H=120m Coupled with electrical driven motor with soft starter and automatic circuit breaker connection and with control panel. 380V, 50Hz, 3 phase, 1450 RPM. Max altitude 1,000m. With spare parts for 2 years operation, spare parts/operation manual in English, and necessary valves, non-return valves, flanges, elbows, reducers, cables FOR NEW INSTALLATION.	3	set
03-03-00063	Ditto item 62 but: Q=200 cum/hr, H=170m	1	Each
03-03-00064	Ditto item 62 but: Q=422 cum/hr, H=60m	3	Each
03-03-00065	Ditto item 62 but: Q=390 cum/hr, H=320m	1	Each
03-03-00066	Ditto item 62 but: Q=150 cum/hr, H=100m	2	Each
03-03-00067	Ditto item 62 but: Q=55 cum/hr, H=120m	2	Each
03-03-00068	Ditto item 62 but: Q=100 cum/hr, H=150m. Type: 152 FP 3E.	2	Each
03-03-00069	Ball bearing 7317	30	Each
03-03-00070	Ball bearing 7411	30	Each
03-03-00071	Ball bearing type N 218 Mc3/SKF N 218 C3	10	Each
03-03-00072	Ball bearing type 6218 C3/SKF	10	Each
03-03-00073	Ball bearing type N322	5	Each
03-03-00074	Ball bearing type 6322	5	Each
03-03-00075	Ball bearing type 6328C3	5	Each
03-03-00076	Ball bearing type 2317	15	Each
03-03-00077	Ball bearing type 7317 BG	15	Each
03-03-00078	Ball bearing type 6322C3	5	Each
03-03-00079	Ball bearing type 7216	10	Each
03-03-00080	Ball bearing type NU 216 EC	10	Each
03-03-00081	Ball bearing type N320 MC3	5	Each
03-03-00082	Ball bearing type 6320 C3	5	Each
03-03-00083	Ball bearing type 7219	15	Each
03-03-00084	Ball bearing type NU 219 EC	15	Each
03-03-00085	Ball bearing type 7314	5	Each

03-03-00086	Ball bearing type N217 MC3/SKF 217 C3	20	Each
03-03-00087	Ball bearing type 6217 C3/SKF 5217 C3	15	Each
03-03-00088	Ball bearing type 6319 C3	5	Each
03-03-00089	Ball bearing type 6316 C3	5	Each
03-03-00090	Ball bearing type 3316	10	Each
03-03-00091	Ball bearing type 6316	10	Each
03-03-00092	Ball bearing type NU 322 C3	5	Each
03-03-00093	Ball bearing type 2311	20	Each
03-03-00094	Control panel for submersible motor with main switch, circuit breaker, illuminated selector switch, contactor, phase failure relay, timing relay, overload relay, fuse holder, auto transformer, ammeter and voltmeter, 380V, 50Hz, 3Ph. in addition to that single phase to neutral (220 V, 50Hz) must also be available for the control panel components such as ammeter, voltmeter, etc. Capacity 22 Kw, 45 Amp	3	Each
03-03-00095	Ditto item 94 but capacity 37 Kw, 72 Amp	4	Each
03-03-00096	Control panel for star-delta motor with main switch, circuit breaker, illuminated selector switch, contactor, phase failure relay, timing relay, overload relay, fuse holder, auto transformer, ammeter and voltmeter, 380V, 50Hz, 3Ph. Capacity 45 Kw	4	Each
03-03-00097	Ditto item 96 but capacity 75 Kw	3	Each
03-03-00098	Ditto item 96 but capacity 110 Kw	2	Each
03-03-00099	Ditto item 96 but capacity 200 Kw	2	Each
03-03-00100	Automatic air-circuit breaker, MCCB, 500V, 50Hz & 3P. Capacity 630-800	3	Each
03-03-00101	Ditto item 100 but capacity 150-200	10	Each
03-03-00102	Ditto item 100 but capacity 400-500 amps	2	Each
03-03-00103	Ditto item 100 but capacity 80-120	25	Each
03-03-00104	Ditto item 100 but capacity 50-63 amps	80	Each
03-03-00105	Ditto item 100 but capacity 30-40 amps	40	Each
03-03-00106	Flexible electrical power cable for 400V, size 1x240 mm <sup>2</sup>	300	ML
03-03-00107	Ditto item 106 but size 1x150 mm <sup>2</sup>	300	ML
03-03-00108	Ditto item 106 but size 1x95 mm <sup>2</sup>	500	ML
03-03-00109	Ditto item 106 but size 1 X 70 mm <sup>2</sup>	400	ML
03-03-00110	Ditto item 106 but size 1x50 mm <sup>2</sup>	400	Each
03-03-00111	Ditto item 106 but size 1x35 mm <sup>2</sup>	500	Each
03-03-00112	Ditto item 106 but size 1x25 mm <sup>2</sup>	400	Each
03-03-00113	Ditto item 106 but size 4x35 mm <sup>2</sup> or (3x35+16mm <sup>2</sup> )	500	Each
03-03-00114	Oil for high tension transformers, 33/11KV and 11/0.4 KV	2000	litter
03-03-00115	Electric contactors, 500V, 50 Hz, coil voltage 380V, type 3TF 56	6	Each
03-03-00116	Ditto item 115, type 3TF 55	6	Each
03-03-00117	Ditto item 115, type 3TF 54	10	Each
03-03-00118	Ditto item 115, type 3TF 52	20	Each
03-03-00119	Ditto item 115, type 3TF 50	20	Each
03-03-00120	Ditto item 115, type 3TF 48	20	Each
03-03-00121	Ditto item 115, type 3TF 46	20	Each

03-03-00122	Phase failure, three phase asymmetry and sequence relay, 380 V, 50 Hz. Type BA 9041	60	Each
03-03-00123	Electric cable, high tension, 3.3KV, size 3 x 150mm	150	ML
03-03-00124	Ditto item 123 but size 3 x 95mm	150	ML
03-03-00125	Self-amalgating electrical tape 19mm x 10m. for high tension voltage-moister resistant, ozone resistant	200	Each
03-03-00126	Insulating tape, low voltage, 19mm x 33m	200	Each
03-03-00127	Shrinkable terminations (12,000V) three core for cable size (50-95)mm, 60 cm long	30	Each
03-03-00128	GI pipe for drinking Water supply, to be of mild steel, medium series, standard, longitudinally welded, (high induction frequency welding), hot dipped galvanized and passivated. Each pipe to be hydro tested or tested as per current method. To be manufactured as per ISO 65-1981. Both ends male threaded ISO 7, socked one end (female threaded socket), duly galvanized and chamfered, and the other end protected with a HDPE threaded protector, covering entire thread of pipe, male threads to be protected with anti-rust zinc aluminum paste, socket threads to be protected with anti-rust varnish Pipe/socket to adequately zinc coated to satisfy copper sulfate test as prescribed in appendix A of BS 1387 / 67 or equivalent ISO standard. Steel, zinc, anti-rust paste and varnish to be made from food grade material. Pipe length (excluding socket length): 5.8 meters. PN 25, Nominal diameter: ND 2.0 inch.	3500	Each
03-03-00129	Ditto item 128, PN 25, size 1.5 inch	800	Each
03-03-00130	Ditto item 128, PN 25, size 3.0 inch	5100	Each
03-03-00131	Ditto item 128, PN 25, size 4.0 inch	5000	Each
03-03-00132	Ditto item 128, PN 25, size 6.0 inch	200	Each
03-03-00133	Brass gate valve set with hand wheel, clockwise closing, FxF, threaded to BS21 (ISO R7), size 2.0 inch, PN 25. Food quality.	200	Each
03-03-00134	Ditto item 133, PN 25, size 3.0 inch, PN 20.	200	Each
03-03-00135	Ditto item 133, size 4.0 inch, PN 16.	200	Each
03-03-00136	Ditto item 133, PN 25, size 6.0 inch, PN 16.	10	Each
03-03-00137	Brass non-return valve set, FxF, threaded to BS21 (ISO R7), PN 20, size 4.0 inch. Food quality.	10	Each
03-03-00138	Malleable cast iron, hot dip galvanized equal elbows for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), 90 degree, FxF, size 2.0 inch, PN 25. Food quality.	100	Each
03-03-00139	Ditto item 138, size 3.0 inch, PN 25	200	Each
03-03-00140	Ditto item 138, size 4.0 inch, PN 25	200	Each
03-03-00141	Ditto item 138, size 6.0 inch, PN 25	50	Each
03-03-00142	Malleable cast iron, hot dip galvanized equal Tee-joints for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxFxF, size 2.0 inch, PN 25.	75	Each
03-03-00143	Ditto item 142, size 3.0 inch, PN 25	150	Each
03-03-00144	Ditto item 142, size 4.0 inch, PN 25	200	Each
03-03-00145	Ditto item 142, size 6.0 inch, PN 25	20	Each

03-03-00146	Malleable cast iron, hot dip galvanized equal unions for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, size 2.0 inch, PN 25.	80	Each
03-03-00147	Ditto item 146, size 3.0 inch, PN 25	200	Each
03-03-00148	Ditto item 146, size 6.0 inch, PN 25	200	Each
03-03-00149	Ditto item 146, size 4.0 inch, PN 25	20	Each
03-03-00150	Malleable cast iron, hot dip galvanized reducer joints for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), FxF, size 6.0 x 4.0 inch, PN 25	10	Each
03-03-00151	Ditto item 150, size 6.0 x 3.0 inch.	10	Each
03-03-00152	Ditto item 150, size 4.0 x 3.0 inch.	2	Each
03-03-00153	Ditto item 150, size 4.0 x 2.0 inch	6	Each
03-03-00154	Ditto item 150, size 3.0 x 2.0 inch	2	Each
03-03-00155	Coupling for 90 mm, PN 25, Standard length pipe	260	Each
03-03-00156	Ditto item 155 but for 110 mm pipe.	160	Each
03-03-00157	Ditto item 155 but for 160 mm pipe.	70	Each
03-03-00158	Clamps for 90 mm, PN 25, Standard length pipe	140	Each
03-03-00159	Ditto item 158 but for 110 mm pipe.	80	Each
03-03-00160	Ditto item 158 but for 160 mm pipe.	80	Each
03-03-00161	Ditto item 158, but for 220 mm pipe.	20	Each
03-03-00162	Stainless steel repair clamps, quality A131304 with waffled rubber seal according to DIN 3535. Double section for 80 mm pipe. PN 24.	50	Each
03-03-00163	Ditto item 162 but for 100mm pipe.	50	Each
03-03-00164	Ditto item 162 but for 150mm pipe.	70	Each
03-03-00165	Ditto item 162 but for 200mm pipe.	70	Each
03-03-00166	Ditto item 162 but for 250mm pipe.	30	Each
03-03-00167	Ditto item 162 but for 300mm pipe.	30	Each
03-03-00168	Ductile iron pipe with rubber gasket joints (Tighten joints) with rubber gaskets, 6 meters nominal length, 3 inch diameter. PN 25	2000	Each
03-03-00169	Ditto item 168 but 4 inch dia.	2000	Each
03-03-00170	Ditto item 168 but 6 inch dia.	2800	Each
03-03-00171	Ditto item 168 but 8 inch dia.	1100	Each
03-03-00172	Ditto item 168 but 10 inch dia.	300	Each
03-03-00173	Ditto item 168 but 12 inch dia.	200	Each
03-03-00174	Ditto item 168 but 16 inch dia.	100	Each
03-03-00175	Equal elbows for ductile pipes with rubber gasket joints, 90 degree, with rubber gaskets, FxF, 3 inch dia, PN 25.	40	Each
03-03-00176	Ditto item 175 but 4 inch dia.	100	Each
03-03-00177	Ditto item 175 but 6 inch dia.	70	Each
03-03-00178	Ditto item 175 but 8 inch dia.	30	Each
03-03-00179	Ditto item 175 but 10 inch dia.	5	Each
03-03-00180	Ditto item 175 but 12 inch dia.	5	Each
03-03-00181	Equal elbows for ductile pipes with rubber gasket joints, 45 degree, with rubber gaskets, FxF, 3 inch diam, PN 25.	40	Each
03-03-00182	Ditto item 181 but 4 inch diam	35	Each
03-03-00183	Ditto item 181 but 6 inch diam	40	Each
03-03-00184	Ditto item 181 but 8 inch diam	15	Each

03-03-00185	Ditto item 181 but 10 inch diam	5	Each
03-03-00186	Ditto item 181 but 12 inch diam	5	Each
03-03-00187	Equal Tees for ductile pipes with rubber gasket joints, with rubber gaskets, FxFxF, 4 inch diam, PN 25.	20	Each
03-03-00188	Ditto as item 187 but 6 inch diam	20	Each
03-03-00189	Ditto as item 187 but 8 inch diam	10	Each
03-03-00190	Ditto as item 187 but 10 inch diam	5	Each
03-03-00191	Ditto as item 187 but 12 inch diam	5	Each
03-03-00192	Ductile Tee Socket with rubber, 4x3 inch dia, PN 25.	20	Each
03-03-00193	Ditto as item 192 but 6x4 inch dia	35	Each
03-03-00194	Ditto as item 192 but 6x3 inch dia	15	Each
03-03-00195	Ditto as item 192 but 6x6 inch dia	20	Each
03-03-00196	Ditto as item 192 but 8x8 inch dia	5	Each
03-03-00197	Ditto as item 192 but 8x6 inch dia	5	Each
03-03-00198	Ditto as item 192 but 8x4 inch dia	10	Each
03-03-00199	Ditto as item 192 but 10x4 inch dia	5	Each
03-03-00200	Ditto as item 192 but 10x6 inch dia	5	Each
03-03-00201	Ditto as item 192 but 10x10 inch dia	2	Each
03-03-00202	Ditto as item 192 but 10x8 inch dia	2	Each
03-03-00203	Parallel reducers for ductile pipes with rubber gasket joints, with rubber gaskets, FxF, 12x10 inch dia, PN 25.	4	Each
03-03-00204	Ditto as item 203 but 12 x 8 inch dia	4	Each
03-03-00205	Ditto as item 203 but 12 x 6 inch	4	Each
03-03-00206	Ditto as item 203 but 10 x 8 inch dia	2	Each
03-03-00207	Ditto as item 203 but 10 x 6 inch dia	2	Each
03-03-00208	Ditto as item 203 but 8 x 6 inch dia	2	Each
03-03-00209	Ditto as item 203 but 6 x 4 inch dia	22	Each
03-03-00210	Ditto as item 203 but 6 x 3 inch dia	15	Each
03-03-00211	Ditto as item 203 but 4 x 3 inch dia	20	Each
03-03-00212	Equal sockets for ductile pipes with rubber gasket joints, FxF, 4 inch dia, PN 25.	10	Each
03-03-00213	Ditto as item 212 but 6 inch dia	10	Each
03-03-00214	Standard socket & spigot joints for ductile pipes with rubber gasket joints, with rubber gaskets, FxM, 4 inch dia, PN 25.	15	Each
03-03-00215	Ditto as item 214 but 6 inch dia	15	Each
03-03-00216	Ditto as item 214 but 8 inch dia	5	Each
03-03-00217	Ditto as item 214 but 10 inch dia	5	Each
03-03-00218	Ditto as item 214 but 12 inch dia	5	Each
03-03-00219	Ductile Iron Adapters from socket unit rubber joint to , PN 25 flanged end, 4 inch dia	10	Each
03-03-00220	Ditto as item 219, 6 inch dia	10	Each
03-03-00221	Ditto as item 219, 8 inch dia	5	Each
03-03-00222	Ditto as item 219, 10 inch dia	5	Each
03-03-00223	Ditto as item 219, 12 inch dia	5	Each
03-03-00224	Bolted flanged spigot joint for ductile pipes, with bolts, nuts & gaskets, 4 inch dia, PN 25, ISO flanges	10	Each
03-03-00225	Ditto as item 224 but 6 inch dia	15	Each
03-03-00226	Ditto as item 224 but 8 inch dia	5	Each

03-03-00227	Ditto as item 224 but 10 inch dia	5	Each
03-03-00228	Ditto as item 224 but 12 inch dia	5	Each
03-03-00229	Flanged gate valves for ductile pipes with bolts, nuts & gaskets, 3 inch dia, PN 25, ISO flanges	30	Each
03-03-00230	Ditto as item 229 but 4 inch dia	10	Each
03-03-00231	Ditto as item 229 but 6 inch dia	15	Each
03-03-00232	Ditto as item 229 but 8 inch dia	10	Each
03-03-00233	Ditto as item 229 but 10 inch dia	5	Each
03-03-00234	Ditto as item 229 but 12 inch dia	5	Each
03-03-00235	Flanged none-return valves for ductile pipes with bolts, nuts & gaskets, 3 inch dia, PN 25, ISO flanges	5	Each
03-03-00236	Ditto as item 235 but 4 inch dia	5	Each
03-03-00237	Ditto as item 235 but 6 inch dia	5	Each
03-03-00238	Mild steel GS pipe 3 inch dia, 3 m long.	300	Each
03-03-00239	Ditto as item 238 but 4 inch dia	200	Each
03-03-00240	Casing pipe, mild steel, commercial grade st-37 as per DIN 17100, food grade, for lining of water bore hole One end male threaded, heavy duty female socket on the other end , To be produced according to DIN 4922 in lengths of 6 m, outer diameter 8 5/8 inch.	480	Each
03-03-00241	As in item 240 but pipe with slots of 2.3 mm width, length of 6 m, outer diameter 8 5/8 inch	130	Each
03-03-00242	Ball bearing type 6314	60	Each
03-03-00243	Ball bearing type 7314	60	Each
03-03-00244	Spiral welded steel bent 90 degree, size 600mm, PN 25.	5	Each
03-03-00245	Flexible coupling for joining steel spiral pipe size 600mm with the valve. The spigot should comprise two glands with bolts and two rubber joints PN 25.	4	Each
03-03-00246	Impedance for motor 300 KW VERTOLA, ISP 3200 Tipo ZTB68, Vi 380, 50HZ, V=%70	2	Each
03-03-00247	Control Panel, N C9704401, KW 300, HZ50, Volt 380, 110	2	Each
03-03-00248	Control type: GH62, Ie AC-1=1000A.	4	Each
03-03-00249	Voltage transformer PRI=220-380 V, 50-60Hz, Secondary 55V, 12AgG, 110V, 6AgG, 2X55V, 2X6AgG, No. 42146, 630VA, -00-3ID	3	Each
03-03-00250	Control panel, STARTER REF D.O.F 19711 Serial No.: STR 559450, Mains voltage 380V, 3PH, 50HZ, Max current 690A, CIRCUIT Diagram A3/F19711/LK	2	Each
03-03-00251	Magnetic contactor S-K400, T/5/L3 JEM 1038 NK 82T408, AC number -1.1-1 V=380V, serial number: 955S, ACI=1th=450A, Coil Voltage 380V.	5	Each
03-03-00252	Contactore IEC-947-4-1,600A, Coil Voltage 110V, GH 55.	4	Each
03-03-00253	Hard-Held temperature indicator (PT 100).	4	Each
03-03-00254	Control panel HV for pumps for motor 315KW, 3300 volt, 65 Amp., All protection, ALLEN WEST 4HWD, Vacutac H.V, 3300V.	4	Each