

AGENCY: **UNICEF - WATER & SANITATION - PHASE VIII**
 PROJECT: **1.1- Construction/Renovation/Expansion/Repair
 of Water Supply Systems**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00001	Submersible pump with direct coupled electrical motor and with non-return valve, control panel, 150 m three core cable, electrode to avoid dry running and cable termination kit type KM, (SP 17-23), MS 6000 380 V, 50 Hz, 3 Ph. TO BE INSTALLED ON NEW BORE WEELS. ALL CABLES TO BE PACKED SEPARATELY WITH EACH PUMP	4	Each
03-03-00002	Ditto but (SP 30-13). MS 6000	7	Each
03-03-00003	Ditto but (SP 30-17).MS 6000	3	Each
03-03-00004	Ditto but (SP 30-24). 6000	6	Each
03-03-00005	Ditto but (SP 46-19). MS 6000	5	Each
03-03-00006	Ditto but (SP 8A-21). MS 4000	4	Each
03-03-00007	Ditto but (SP 30-24). MS 6000	5	Each
03-03-00008	Ditto but (SP 30-20). MS 6000	5	Each
03-03-00009	Ditto but (SP 46-23) Franklin 6"	2	Each
03-03-00010	Submersible pump, Q=750cum/hr (min), head=70M (max), 1450 rpm, 180 Kw, 400V 50Hz, 3Ph.	2	Each
03-03-00011	Pre-fabricated compact unit of out put capacity 150 cubic meter per hour for water turbidity ranging between 10 to 750 including clarifying tanks which could be open type all internal components should be made of hot dip galvanized or coated with non-toxic black bituminous paints, intermediate storage tank made of pressed steel, Alum dosers, filters, chemical sterilization & intermediate pumps to pump the water through filters against static head 8M, the motor of pump should be 1450 RPM, 3 phase, 50 HZ. The cost should include installation of the units in project	1	Each
03-03-00012	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	50	Each
03-03-00013	Ditto but ND = 200mm.	50	Each
03-03-00014	Ditto but ND = 250mm.	50	Each
03-03-00015	Ditto but ND = 300mm.	25	Each
03-03-00016	Motor set for submersible pump with tail cable and cable joint and control panel, 400V, 50HZ, 3PH, capacity 5.5KW for SP (17-	2	Each
03-03-00017	Ditto but capacity 7.5KW for SP (17-12) MS	4	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00018	Ditto but capacity 11.0KW for SP (17-20) MS 6000	4	Each
03-03-00019	Ditto but capacity 15.0KW for SP (17-27) MS 6000	3	Each
03-03-00020	Ditto but capacity 18.5KW for SP(17-33) MS 6000	5	Each
03-03-00021	Ditto but capacity 22.0KW for SP (30-26) MS 6000	5	Each
03-03-00022	Ditto but capacity 30.0KW for SP (30-35) MS 6000	5	Each
03-03-00023	Ditto but capacity 37.0KW for SP (46-23) Franklin 6"	2	Each
03-03-00024	Flexible electrical power cable for deep well submersible motors size 3x16 mm2	500	ML
03-03-00025	Ditto but size 3x10 mm 2	500	Each
03-03-00026	Ditto but size 3x6 mm2	1000	Each
03-03-00027	Ditto but size 3x4 mm2	500	Each
03-03-00028	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.	10	Each
03-03-00029	Ditto but capacity motor 18.5KW	12	Each
03-03-00030	Ditto but capacity motor 22.0 KW	8	Each
03-03-00031	Ditto but capacity motor 30.0 KW	8	Each
03-03-00032	Ditto but capacity motor 37.0 KW	4	Each
03-03-00033	Ditto but capacity motor for 75.0 KW	6	Each
03-03-00034	Vertical motor complete set for vertical turbine pumps, 380V, 50Hz, 2900 rpm, 3PH and capacity 15KW for BP 27-15	8	Each
03-03-00035	Ditto but capacity 22KW for BP 45-12	6	Each
03-03-00036	Ditto but capacity 30KW for BP 75-8	2	Each
03-03-00037	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	30	Each
03-03-00038	Ditto but size 3 x 5/8 inch	30	Each
03-03-00039	Ditto but size 3 x 3/4 inch	30	Each
03-03-00040	Ditto but size 4 x 3/4 inch	20	Each
03-03-00041	Ditto but size 4 x 7/8 inch	20	Each
03-03-00042	Ditto but size 5 x 7/8 inch	20	Each
03-03-00043	Sealing set for shaft seal for Grundfos vertical turbine pumps size 5/8 inch	20	Each
03-03-00044	Ditto but size 3/4 inch	20	Each
03-03-00045	Ditto but size 7/8 inch	20	Each
03-03-00046	Ditto but size 1 inch	20	Each
03-03-00047	Shaft coupling for Grundfos vertical turbine pumps size 5/8 inch	10	Each
03-03-00048	Ditto but size 3/4 inch	10	Each
03-03-00049	Ditto but size 7/8 inch	10	Each
03-03-00050	Driver for vertical turbine pump type BP 16/27/45 size 3/4 inch	5	Each
03-03-00051	Ditto but size 5/8 inch	5	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00052	Ditto but size 7/8 inch	5	Each
03-03-00053	Line shaft with shaft with coupling for vertical turbine pumps, size 5/8 inch x 1.8 m	10	Each
03-03-00054	Ditto but size 3/4 inch x1.8m	10	Each
03-03-00055	Ditto but size 7/8 inch x1.8m	10	Each
03-03-00056	Column pipes for vertical turbine pumps, size 4.0 inch x 1.8 m	10	Each
03-03-00057	Bottom column pipe complete with shaft, coupling and bearing with thread in bottom end, size 3 x 5/8 inch	10	Each
03-03-00058	Ditto but size 3 x 3/4 inch	10	Each
03-03-00059	Ditto but size 4 x 3/4 inch	10	Each
03-03-00060	Ditto but size 4 x 7/8 inch	10	Each
03-03-00061	Gland packing size 1/2 inch; pH 5-8.5 RPM = 2440 H = 80m	400	ML
03-03-00062	Gland packing size 3/4 inch pH 5-8.5 RPM = 2440 H = 150m	400	ML
03-03-00063	Gland packing size 3/8 inch pH 5-8.5. RPM = 2900, 20 bar	400	ML
03-03-00064	Gland packing size 5/8 inch pH 5-8.5 RPM = 2440 H = 40m	400	ML
03-03-00065	Centrifugal booster pump for pumping treated water, Q=200 cum/hr, H= 100m 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 FOR NEW INSTALLATION. CABLES TO BE PACKED SEPARATELY	1	Each
03-03-00066	Ditto but Q=150 cum/hr, H=120m	2	Each
03-03-00067	Ditto but Q=200 cum/hr, H=170m	2	Each
03-03-00068	Ditto but Q=82 cum/hr, H=380m	10	Each
03-03-00069	Ditto but Q=80 cum/hr, H=250m	2	Each
03-03-00070	Ditto but Q=120 cum/hr, H=60m	4	Each
03-03-00071	Ditto but Q=55 cum/hr, H=120m	2	Each
03-03-00072	Ball bearing type 6322	6	Each
03-03-00073	Ball bearing type NU 216 EC	20	Each
03-03-00074	Ball bearing type 6217 C3/5217 C3	20	Each
03-03-00075	Ball bearing type 6319 C3	15	Each
03-03-00076	Ball bearing type 6316 C3	15	Each
03-03-00077	Ball bearing type 6316	15	Each
03-03-00078	Control panel for submersible motor with main switch, circuit breaker, illuminated selector switch, contactor, phase failure relay, timing relay, overload relay, sequence and asymmetry 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	4	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00079	Ditto but capacity 37 Kw, SP(30-43) Franklin 6"	4	Each
03-03-00080	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, 83 Ampere,	2	Each
03-03-00081	Ditto but capacity 75 Kw, 137 A, 2960 RPM, induction motor	6	Each
03-03-00082	Ditto but capacity 110 Kw, 267 A, 1480 RPM , WEG 500 D250 M, CFA 6743/1	2	Each
03-03-00083	Ditto but capacity 200 Kw	6	Each
03-03-00084	Flexible electrical power cable for 400V, size 4*35 mm ²	500	ML
03-03-00085	Oil for high tension transformers, 33/11KV and 11/0.4 KV	2000	litter
03-03-00086	Electric contactors, 500V, 50 Hz, coil voltage 380V, type 3TF 56 Ampere	10	Each
03-03-00087	Ditto, type 3TF 55	20	Each
03-03-00088	Ditto, type 3TF 54	8	Each
03-03-00089	Ditto, type 3TF 52	20	Each
03-03-00090	Ditto, type 3TF 50	20	Each
03-03-00091	Ditto, type 3TF 48	5	Each
03-03-00092	Ditto, type 3TF 46	20	Each
03-03-00093	Phase failure, three phase asymmetry and sequence relay, 380 V, 50 Hz. Type BA 9041	55	Each
03-03-00094	Electric cable, high tension, 3.3KV, size 3 x 150mm	600	ML
03-03-00095	Ditto but size 3 x 95mm	600	ML
03-03-00096	Self-emulating electrical tape 19mm x 10m. for high tension voltage-moister resistant, ozone resistant	540	ML
03-03-00097	Insulating tape, low voltage, 19mm x 33m	50	Each
03-03-00098	Shrinkable terminations (12,000V) three core for cable size (50-95)mm, 60 cm long	10	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00099	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	1400	Each
03-03-00100	Ditto but PN 25, size 3.0 inch	2150	Each
03-03-00101	Ditto but PN 25, size 4.0 inch	2150	Each
03-03-00102	Ditto but PN 25, size 6.0 inch	850	Each
03-03-00103	Bronze heavy type gate valve set with hand wheel, clockwise closing, FxF, threaded to BS21 (ISO R7), size 2.0 inch, PN 25. Food	80	Each
03-03-00104	Ditto but PN 25, size 3.0 inch, PN 25	180	Each
03-03-00105	Ditto but size 4.0 inch, PN 25	170	Each
03-03-00106	Ditto but PN 25, size 6.0 inch, PN 25	55	Each
03-03-00107	Brass non-return valve set, FxF, threaded to BS21 (ISO R7), PN 25, size 2.0 inch. Food quality.	10	Each
03-03-00108	Ditto but size 3.0 inch, PN 25	25	Each
03-03-00109	Ditto but size 4.0 inch, PN 25	20	Each
03-03-00110	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. 2" * 2"	50	Each
03-03-00111	Ditto but size 3.0 inch, PN 25	145	Each
03-03-00112	Ditto but size 4.0 inch, PN 25	135	Each
03-03-00113	Ditto but size 6.0 inch, PN 25	40	Each
03-03-00114	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.	40	Each
03-03-00115	Ditto but size 3.0 inch, PN 25	105	Each
03-03-00116	Ditto but size 4.0 inch, PN 25	95	Each
03-03-00117	Ditto but size 6.0 inch, PN 25	40	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00118	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. 2"*2"	90	Each
03-03-00119	Ditto but size 3.0 inch, PN 25	130	Each
03-03-00120	Ditto but size 6.0 inch, PN 25	60	Each
03-03-00121	Ditto but size 4.0 inch, PN 25	130	Each
03-03-00122	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	20	Each
03-03-00123	Ditto but size 6.0 x 3.0 inch.	20	Each
03-03-00124	Ditto but size 6.0 x 2.0 inch.	10	Each
03-03-00125	Ditto but size 4.0 x 3.0 inch.	20	Each
03-03-00126	Ditto but size 4.0 x 2.0 inch	30	Each
03-03-00127	Ditto item 123, size 3.0 x 2.0 inch	10	Each
03-03-00128	Viking Johnson coupling for 90 mm, PN 25, Standard length pipe	250	Each
03-03-00129	Ditto but for 110 mm pipe.	380	Each
03-03-00130	Ditto but for 160 mm pipe.	230	Each
03-03-00131	V. J. Easy clamps for 90 mm, PN 25, Standard length pipe	380	Each
03-03-00132	Ditto but for 110 mm pipe.	380	Each
03-03-00133	Ditto but for 160 mm pipe.	230	Each
03-03-00134	Ditto but for 220 mm pipe.	180	Each
03-03-00135	Stainless steel repair clamps, quality A131304 with waffled rubber seal according to DIN 3535. Double section for 80 mm pipe. PN 24. Required length is (30-40) cm	50	Each
03-03-00136	Ditto but for 100mm pipe.	200	Each
03-03-00137	Ditto but for 150mm pipe.	100	Each
03-03-00138	Ditto but for 200mm pipe.	50	Each
03-03-00139	Ditto but for 250mm pipe.	10	Each
03-03-00140	Ditto but for 300mm pipe.	20	Each
03-03-00141	Ductile iron pipe with rubber gasket joints (Tighten joints) with rubber gaskets, 6 meters nominal length, 3 inch diameter. PN 25	3750	Each
03-03-00142	Ditto but 4 inch dia.	5250	Each
03-03-00143	Ditto but 6 inch dia.	3000	Each
03-03-00144	Ditto but 8 inch dia.	2050	Each
03-03-00145	Ditto but 10 inch dia.	2000	Each
03-03-00146	Ditto but 12 inch dia.	2000	Each
03-03-00147	Ditto but 16 inch dia.	500	Each
03-03-00148	Equal elbows for ductile pipes with rubber gasket joints, bolts & spigot, 90 degree, FxF, 3 inch dia, PN 25.	120	Each
03-03-00149	Ditto but 4 inch dia.	230	Each
03-03-00150	Flanged equal elbow size 6", 90 degree with socket, spigot, bolts and rubber.	90	Each
03-03-00151	Ditto but 8 inch dia.	40	Each

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03-03-00152	Ditto but 10 inch dia.	20	Each
03-03-00153	Ditto but 12 inch dia.	35	Each
03-03-00154	Equal elbows for ductile pipes with rubber gasket joints, bolts, spigot & rubber, 45 degree, FxF, 3 inch diam, PN 25. 3"*3"	180	Each
03-03-00155	Ditto but 4 inch diam	200	Each
03-03-00156	Flanged equal elbow size 6"*6", 45 degree with socket, spigot, and rubber.	80	Each
03-03-00157	Ditto but 8 inch diam	45	Each
03-03-00158	Ditto but 10 inch diam	20	Each
03-03-00159	Ditto but 12 inch diam	45	Each
03-03-00160	Equal Tees for ductile pipes with rubber gasket joints, bolts & spigot, FxFxF, 3 inch diam, PN 25.3"*3"*3"	95	Each
03-03-00161	Ditto as but 4 inch diam	125	Each
03-03-00162	Ditto as but 6 inch diam	45	Each
03-03-00163	Ditto as but 8 inch diam	35	Each
03-03-00164	Ditto as but 10 inch diam	20	Each
03-03-00165	Ditto as but 12 inch diam	30	Each
03-03-00166	Ductile Socket with rubber, bolts & spigot 3x3 inch dia, PN 25.	45	Each
03-03-00167	Ditto as but 4x4 inch dia	60	Each
03-03-00168	Ditto as but 4x3 inch dia	40	Each
03-03-00169	Ductile Socket with rubber, bolts & spigot 3x3 inch dia, PN 25.	70	Each
03-03-00170	Ditto as but 6x3 inch dia	70	Each
03-03-00171	Ditto as but 6x6 inch dia	35	Each
03-03-00172	Ditto as but 8x8 inch dia	15	Each
03-03-00173	Ductile reducer size 8x6 inch dia	25	Each
03-03-00174	Ditto as but 8x4 inch dia	9	Each
03-03-00175	Ditto as but 8x3 inch dia	7	Each
03-03-00176	Ditto as but 10x4 inch dia	4	Each
03-03-00177	Ditto as but 10x6 inch dia	4	Each
03-03-00178	Ditto as but 10*8 inch dia	6	Each
03-03-00179	Ductile equal socket size 10x10 inch dia	2	Each
03-03-00180	Ditto as but 12x12 inch dia	2	Each
03-03-00181	Flanged Parallel reducers for ductile pipes with rubber gasket joints, bolts & spigot FxF, 12x10 inch dia, PN 25.	4	Each
03-03-00182	Ditto as but 12 x 8 inch dia	4	Each
03-03-00183	Ditto as but 12 x 6 inch	7	Each
03-03-00184	Ditto as but 10 x 8 inch dia	2	Each
03-03-00185	Ditto as but 10 x 6 inch dia	2	Each
03-03-00186	Ditto as but 10 x 4 inch dia	2	Each
03-03-00187	Ditto as but 8 x 6 inch dia	15	Each
03-03-00188	Ditto as but 8 x 4 inch dia	20	Each
03-03-00189	Ditto as but 6 x 4 inch dia	30	Each
03-03-00190	Ditto as but 6 x 3 inch dia	30	Each
03-03-00191	Ditto as but 4 x 3 inch dia	40	Each

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03-03-00192	Ductile Equal push in sockets for ductile pipes with rubber gasket joints, FxF, 4 inch dia, PN 25.	154	Each
03-03-00193	Ditto as but 6 inch dia, flanged with bolts, nuts & spigot	104	Each
03-03-00194	Ditto as but 8 inch dia	54	Each
03-03-00195	Ditto as but 10 inch dia	29	Each
03-03-00196	Ditto as but 12 inch dia	4	Each
03-03-00197	Standard socket & spigot joints for ductile pipes with rubber gasket joints, FxM, 3 inch dia, PN 25.	89	Each
03-03-00198	Ditto as but 4 inch dia	126	Each
03-03-00199	Ditto as but 6 inch dia	54	Each
03-03-00200	Ditto as but 8 inch dia	32	Each
03-03-00201	Ditto as but 10 inch dia	4	Each
03-03-00202	Ditto as but 12 inch dia	14	Each
03-03-00203	Ductile Iron Adapters from socket unit rubber joint to , PN 25 flanged end, 3 inch dia	50	Each
03-03-00204	Ditto as , 4 inch dia	50	Each
03-03-00205	Ditto as , 6 inch dia	40	Each
03-03-00206	Ditto as , 8 inch dia	30	Each
03-03-00207	Ditto as , 12 inch dia	10	Each
03-03-00208	Bolted flanged spigot joint for ductile pipes, with bolts, nuts & gaskets, 3 inch dia, PN 25, ISO flanges	50	Each
03-03-00209	Ditto as but 4 inch dia	50	Each
03-03-00210	Ditto as but 6 inch dia	40	Each
03-03-00211	Ditto as but 8 inch dia	30	Each
03-03-00212	Ditto as but 12 inch dia	10	Each
03-03-00213	Flanged gate valves for ductile pipes with bolts, nuts & gaskets, 3 inch dia, PN 25, ISO flanges	140	Each
03-03-00214	Ditto as but 4 inch dia	190	Each
03-03-00215	Ditto as but 6 inch dia	120	Each
03-03-00216	Ditto as but 8 inch dia	65	Each
03-03-00217	Ditto as but 10 inch dia	5	Each
03-03-00218	Ditto as but 12 inch dia	10	Each
03-03-00219	Flanged non-return valves for ductile pipes with bolts, nuts & gaskets, 3 inch dia, PN 25, ISO flanges	14	Each
03-03-00220	Ditto as but 4 inch dia	16	Each
03-03-00221	Ditto as but 6 inch dia	24	Each
03-03-00222	Ditto as but 8 inch dia	22	Each
03-03-00223	Ditto as but 10 inch dia	4	Each
03-03-00224	Flanged air valves for ductile pipes with bolts, nuts & gaskets, 4 inch dia, PN 25, ISO flanges	15	Each
03-03-00225	Flanged foot valves with strainers 4 inch dia	10	Each
03-03-00226	Ditto as but 6 inch dia	10	Each
03-03-00227	Ditto as but 8 inch dia	5	Each
03-03-00228	Ditto as but 10 inch dia	2	Each
03-03-00229	Ditto as but 12 inch dia	5	Each

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03-03-00230	Surface box for roadways	100	Each
03-03-00231	Mild steel GS pipe 3 inch dia, 3 m long.	1000	Each
03-03-00232	Ditto as item 232 but 4 inch dia	300	Each
03-03-00233	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.	470	Each
03-03-00234	Ditto but pipe with slots of 2.3 mm width, length of 6 m, outer diameter 8 5/8 inch	140	Each
03-03-00235	Ball bearing type 6314	160	Each
03-03-00236	Ball bearing type 7314	140	Each
03-03-00237	Diesel driven centrifugal booster pump Q= 10 M3, Head = 80 M, type N540-250236	1	Set
03-03-00238	Deep well turbine pump capacity Q=14cum/hr(min), head=160M (max), preferably BP27-16 type 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 4x6MM2 and 4 PCS cable gland, spare parts for two years operation, O&M manual in English with appropriate packing	2	Set
03-03-00239	Ditto but Q=22cum/hr (min), H=165m (max), (BP 45-16)	1	Set
03-03-00240	Ditto but Q=14cum/hr (min), H=95m (max), (BP 27-10)	1	Set
03-03-00241	High-Lift, Multi-Stage pump with direct coupled vertical type electrical motor Q= 1,800 M3/Hr, Head= 132 M, N= 989 RPM, 1604 KW, 11000 volt, 50 HZ and 3P, From IDP(Ingirsol Dressure pump)	1	Set

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03-03-00242	Spare part for pump Q=300m ³ /hr , H=220m ,V=380v ,50Hz,1460 RPM No. 1720027-08/02 Drawing No. 1973563 year 1998/SP pump type 152 NM61 .Shaft Sleeve =4No.Drawing No. 2450 Space sleeve =4 No. Drawing No. 2460-02 Space sleeve for bearing =2 no. Drawing No. 2461 Inner race centering sleeve with collar =2 No. Drawing No. (2472-01) Innerrace centering Sleeve with couler =2 no. drawing no. (2472-02) Gasket = 2no. drawing no. 45490 pump shaft (with keys)=1 no. drawing no. 2110 Sleeve =2 set Drawing no.2420 Radial flow impeller shrouded =2 set drawing no. 2250. wear ring =2 set drawing no. 1500-01 Radial flow impeller Shrouded =2 set drawing no. 1500-02. flower =4 no. drawing no. 4131. lock washer =4 no drawing no 6541	8	Set
03-03-00243	Spare part for pump Q=680m ³ /hr , H=200m, No.SP 17200027-02/01 year 1998 pump type 10UZD-1 drawing no. 3978792 Oil- constant level =1 no. drawing no. 077. Impeller ring =4 no. drawing no. 0400 Ring casing =4 no. drawing no. 0500 Sleeve distance =2No.Drawing No. 0700 Sleeve shaft =2 No. Drawing No. 0700a Diaphragm =1 no. Drawing no. 0839 Impeller =2 no. drawing no. 1200. Gasket =2 No.Drawing no. 1310 Gasket = 2no. drawing no. 1301a Gasket = 2no. drawing no. 1301b Gasket = 2no. drawing no. 1306 Nut shaft sleeve =2 no.drawing no. 2000b Bearing nut =2 no. Drawing no.2001 Nut shaft = 2 no. drawing no. 2005 Key =2 no. drawing no.2101 Key =2 no. drawing no.2104 Key =2 no. drawing no.2105 Key =2 set drawing no.2106	1	Each
03-03-00244	Over load range about (18-28) A	10	Each
03-03-00245	Ditto but range about (28-35) A	10	Each
03-03-00246	Ditto but range about (30-40) A	10	Each
03-03-00247	Ditto but range about (40-50) A	10	Each
03-03-00248	Ditto but range about (50-63) A	10	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00249	Electrical transformer according to IEC76 standard 100 KVA 11/0.4 KV oil immersed distribution transformer furnished with conservation and off-load tap changer including the following accessories:THERMOMETER WITH TWO CONTACTS WHEELSSILICAGEL BREATHER MAGNETIC OIL LEVEL.	14	Each
03-03-00250	Ditto but size 250 KVA	6	Each
03-03-00251	Ditto but size 400 KVA	2	Each
03-03-00252	Ditto but size 500 KVA	2	Each
03-03-00253	Electrical transformer (out door type) according to IEC 76 standard 1250 KVA 33/0.4 KV oil impressed distribution transformer furnished with conservation & off-load tap changer including the following accessories :Dial type thermometer with two contacts ,wheel silica gel breather magnetic oil level	2	Each
03-03-00254	Change over switch 3 ph ,400V, 50A for generator & main electrical power	50	Each
03-03-00255	Ditto but 63 A	50	Each
03-03-00256	Ditto but 100 A	30	Each
03-03-00257	Ditto but 125 A	20	Each
03-03-00258	Ditto but 150 A	15	Each
03-03-00259	Ditto but 200 A	15	Each
03-03-00260	Ditto but 250 A	10	Each
03-03-00261	Pre-fabricated compact unit of out put capacity 250 cubic meter per hour for water turbidity ranging between 100 to 1000 including clarifying tanks which could be open type all internal components should be made of hot dip galvanized or coated with non-toxic black bituminous paints, intermediate storage tank made of pressed steel, Alum dosers, filters, chemical sterilization & intermediate pumps to pump the water through filters against static head 14M, the motor of pump should be 1450 RPM, 3 phase, 50 HZ. The cost should include installation of the units	2	Each
03-03-00262	High-Lift, Multi-Stage pump with direct coupled vertical type electrical motor Q= 1,627 M3/Hr, Head= 295 M, N= 985 RPM, power= 1560 KW 11000 volt, 50 HZ and 3P	1	Set
	01-02 Rehabilitation of Water Systems/Urban		
03-03-00267	Submersible pump with direct coupled electrical motor and with non-return valve, control panel, 150 m three core cable, electrode to avoid dry running and cable termination kit , MS 6000 380 V, 50 Hz, 3 Ph. TO BE INSTALLED ON NEW BORE WELLS. ALL CABLES TO BE PACKED SEPARATELY WITH EACH PUMP, Qmin.=12 M3/H, Hmax= 160M. To be from	20	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00268	Submersible pump with direct coupled electrical motor and with non-return valve, control panel, 150 m three core cable, electrode to avoid dry running and cable termination kit , MS 6000 380 V, 50 Hz, 3 Ph. TO BE INSTALLED ON NEW BORE WELLS. ALL CABLES TO BE PACKED SEPARATELY WITH EACH PUMP, Qmin.=22 M3/H, Hmax= 215M. To be from	12	Each
03-03-00269	Submersible pump with direct coupled electrical motor and with non-return valve, control panel, 150 m three core cable, electrode to avoid dry running and cable termination kit , MS 6000 380 V, 50 Hz, 3 Ph. TO BE INSTALLED ON NEW BORE WELLS. ALL CABLES TO BE PACKED SEPARATELY WITH EACH PUMP, Qmin.=20 M3/H, Hmax= 270M. To be from	10	Each
	Programme/contingency Items (funded by		
03-03-00270	Water bladder 20,000 lit.	131	Each
03-03-00271	Slow dissolving chlorine tablets of each 200 gm for disinfecting water, packed in plastic container of 1 Kg.	500	Kg
03-03-00272	Compact unit plant, skid mounted for pumping & purification Code No.: 000 5846 (5 m3/hr at 20 m head).	20	Each
03-03-00273	Compact unit plant, skid mounted on a trailer for water pumping, pumping and storage unit. Code No.: 568 0020 (20 m3/hr at 20 m head).	10	Each
03-03-00274	20 liters semi-collapsible Jerry cans for storage at household level	50000	Each
03-03-00275	5 liters semi-collapsible Jerry cans while people are on move	50000	Each
03-03-00276	Soap, toilet. Set of 4, 110 g, wrapped	350000	Each
03-03-00277	Soap, washing	6000	Box / 45 pc.
03-03-00278	Plastic sheet, tarpaulin, reinforce, polyeth, roll 4x50m.	800	Roll
03-03-00279	Towels, bath-standard size 50x90 cm.	48000	Each
03-03-00280	Blankets, wool-blend, 150x200 cm	75000	Each
03-03-00281	Sanitary napkin	225000	Each
03-03-00282	Diesel / Electric driven turbine pump 10-20 m3/hr at 80 m head	12	Set
03-03-00283	Water quality test kit, portable, OXFAM	12	Each
03-03-00284	Dewatering pump unit 11 to 22 cum/hr	3	Each
03-03-00285	Distribution tap stand (6 tap)	131	Each
03-03-00286	Chloramine tablet 2 and 4 grams, 1000 tablets Distributed by IDA	500	Pack of 1000
03-03-00287	Chlorine comparator test kits include chemical / consumable (DPD1, DPD2 tablets, etc.) to do about 3,000 tests.	24	Each

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
03-03-00288	PE or flexi hose to connect bladder to tap stands: Normally the quantity of hose supplied with the bladder is in addequate and local conditions are not considered.	4000	Meter Length
03-03-00289	Solar submersable pumps 20 m3/day at 100 m	3	Each
03-03-00290	PVC pipes, 4", 6 ml, 5-6 bar.	10000	Each
03-03-00291	PVC pipes, 6", 6 ml, 5-6 bar.	2000	Each
03-03-00292	GI Pipe, ND 6.0", PN 25	555	Each
03-03-00293	GI Pipe, ND 4.0", PN 26	1110	Each
03-03-00294	GI Pipe, ND 3.0", PN 27	1850	Each
03-03-00295	GI Pipe, ND 2.5", PN 28	1480	Each
03-03-00296	GI Pipe, ND 2.0", PN 29	1850	Each
03-03-00297	GI Pipe, ND 1.5", PN 30	1850	Each