

AGENCY:	UNICEF		
PHASE:	IX		
SECTOR:	Water and Sanitation		
PROJECT:	Rural Water Supply and Sanitation		
CODE	Description	QUANTITY	UNIT OF MEASURE
	Human Waste Disposal		
03-04-00001	Ordinary Portland cement packed in 3-ply 50 kg paper bags (equivalent to BS12). (the unit is Ton)	7,325	metric ton
03-04-00002	Mild steel deformed reinforcing bars in 6 meter length (+/- 100 mm), commercial grade tensile strength: 42.5-53.5 Kg/mm ² in bundles of 1 MT. size: Dia 10 mm : average weight 0.617 Kg/m.	217	metric ton
03-04-00003	Concrete hollow blocks of size 20x20x40 cm (to be procured locally). For Dobuk blocks should be solid and of size 15x20x40.	1,820,000	Each
03-04-00004	Steel door with door frame for latrine of size 0.8x1.90 metres (to be locally procured)	13,500	Each
03-04-00005	Manhole cover for medium duty carriage way. size 0.5x0.5 M.	5,700	Each
03-04-00006	Manhole cover for light duty domestic use. size 0.3x0.3 M.	5,500	Each
03-04-00007	Mud bricks. size 7x11x22 cm	5,240,000	Each
03-04-00008	Squatting FRP latrine pan with P-trap of standard design with 20 mm water seal. material: specification: as per IS 11246-1985 or	18,500	Each
03-04-00009	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.	6,670	Each
03-04-00010	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 - thickness (0.26MM) before galvanizing - Overall width 900MM - Sheet length 2,000MM Packed in bundles of 100 sheets, export packed, covered with thick	10,300	bundles
	Water Quality and Pollution Prevention		
03-04-00011	Slow dissolving chlorine tablet in packs of 5 Kg or 4 Kg. (unit is	5800	Each
03-04-00012	H ₂ S strips for testing bacteriological contamination of water (small bottles)-	17500	Each
	Construction Water Supply Systems		
03-04-00013	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	540	Each
03-04-00014	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	180	Each
03-04-00015	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 150mm PN 25	500	Each
03-04-00016	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 100mm PN 25	2450	Each
03-04-00017	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 75mm PN 25	3300	Each
03-04-00018	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 62mm PN 25	4250	Each
03-04-00019	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end. ND 50mm PN 25	8300	Each
03-04-00020	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 37 mm PN 25.	8450	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00021	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 25 mm PN 25.	4000	Each
03-04-00022	GI pipe for drinking water supply, both ends male threaded ISO 7, female threaded socket fitted to one end, ND 19 mm PN 25.	3150	Each
03-04-00023	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 19 mm, PN 16.	100	Each
03-04-00024	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 25 mm, PN 16.	100	Each
03-04-00025	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 37 mm, PN 16.	175	Each
03-04-00026	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 50 mm, PN 16.	350	Each
03-04-00027	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 62 mm, PN 16.	400	Each
03-04-00028	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 75 mm, PN 16.	350	Each
03-04-00029	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 100 mm, PN 16.	300	Each
03-04-00030	Bronze heavy type gate valve set with hand wheel, clockwise closing, ExF threaded to BS 21 (ISO R7), ND= 150 mm, PN 16.	55	Each
03-04-00031	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 19mm, PN 16.	9800	Each
03-04-00032	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 25mm, PN 16.	2150	Each
03-04-00033	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 37mm, PN 16.	2000	Each
03-04-00034	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 50mm, PN 16.	1900	Each
03-04-00035	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 62mm, PN 16.	1900	Each
03-04-00036	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 75mm, PN 16.	1550	Each
03-04-00037	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 100mm, PN 16.	950	Each
03-04-00038	GI equal elbows for drinking water supply conforming to ISO R 49 and threaded to ISO R 7, 90 degree, ExF, ND 150mm, PN 16.	60	Each
03-04-00039	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	100	Each
03-04-00040	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	250	Each
03-04-00041	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	250	Each
03-04-00042	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	200	Each
03-04-00043	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	200	Each
03-04-00044	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	150	Each
03-04-00045	GI equal elbows, 45 degrees, for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), ExF, PN 16.	20	Each
03-04-00046	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 19mm, PN 16.	900	Each
03-04-00047	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 25mm, PN 16.	1200	Each
03-04-00048	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 37mm, PN 16.	1550	Each
03-04-00049	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 50mm, PN 16.	1050	Each
03-04-00050	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 62mm, PN 16.	1150	Each
03-04-00051	GI equal tee joints for drinking water supply conforming to iso R 49 and threaded to ISO R 7, ExExF, MD 75mm, PN 16.	850	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00052	GI equal tee joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExExE MD 100mm PN 16	550	Each
03-04-00053	GI equal tee joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExExE MD 150mm PN 16	105	Each
03-04-00054	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 19 mm	4750	Each
03-04-00055	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 25 mm	1750	Each
03-04-00056	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 37 mm	1750	Each
03-04-00057	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 50 mm	1650	Each
03-04-00058	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 62 mm	1100	Each
03-04-00059	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 75mm	1250	Each
03-04-00060	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 100mm	800	Each
03-04-00061	GI equal unions for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE PN 16 ND 150mm	125	Each
03-04-00062	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 10mm	2250	Each
03-04-00063	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 25mm	2050	Each
03-04-00064	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 27mm inch	2050	Each
03-04-00065	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 50mm	1350	Each
03-04-00066	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 62mm	1550	Each
03-04-00067	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 75mm	1300	Each
03-04-00068	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 100mm	1300	Each
03-04-00069	GI equal nipples (hexagonal or parallel) for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7), MxM. DN 16 Size 150mm	200	Each
03-04-00070	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) ExE PN 16 Size 19 mm	500	Each
03-04-00071	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) ExE PN 16 Size 25 mm	200	Each
03-04-00072	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) ExE PN 16 Size 37 mm	100	Each
03-04-00073	GI equal sockets for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) ExE PN 16 Size 50 mm	100	Each
03-04-00074	GI reducer joints for drinking water supply conforming to ISO R 49 and threaded to ISO R 7 ExE size 150mm x 100mm PN 16	65	Each
03-04-00075	Malleable cast iron, hot dip galvanized reducer joints for drinking water supply conforming to ISO R49 and threaded to BS21 (ISO R7) ExE DN 16 Size 100 x 75 mm	350	Each
03-04-00076	As in above but size 100 x 62 mm.	270	Each
03-04-00077	As in above but size 100 x 50 mm.	270	Each
03-04-00078	As in above but size 75 x 62 mm.	350	Each
03-04-00079	As in above but size 75 x 50 mm.	350	Each
03-04-00080	As in above but size 75 x 37 mm.	350	Each
03-04-00081	As in above but size 75 x 25 mm.	450	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00082	As in above but size 62 x 50 mm.	450	Each
03-04-00083	As in above but size 62 x 37 mm.	500	Each
03-04-00084	As in above but size 62x 25 mm.	450	Each
03-04-00085	As in above but size 62 x 19 mm.	350	Each
03-04-00086	As in above but size 50 x 37 mm.	600	Each
03-04-00087	As in above but size 50 x 25 mm.	550	Each
03-04-00088	As in above but size 50 x 19 mm.	450	Each
03-04-00089	As in above but size 37 x 25 mm.	600	Each
03-04-00090	As in above but size 37 x 19 mm.	450	Each
03-04-00091	As in above but size 25 x 19 mm.	1350	Each
03-04-00092	Brass non return valve, for potable water, FxF. PN 16. Size 37	50	Each
03-04-00093	As in above but size 50 mm.	50	Each
03-04-00094	As in above PN 16. size 62 mm.	80	Each
03-04-00095	As in above but size 75 mm.	50	Each
03-04-00096	As in above but size 100 mm.	10	Each
03-04-00097	As in above but size 150 mm.	5	Each
03-04-00098	Water tap, brass, with T-handle and threaded as per ISO 228, size 20 mm (3/4 inch) PN 10	5800	Each
03-04-00099	Submersible pump , Q= (10-18) m ³ /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 PUMP AND TO BE INSTALLED ON NEW BOREWELL. (the unit is set) Each set	9	set
03-04-00100	As in above. but Q= 4-8 m ³ /hr. head= 124-90 m. (the unit is set)	8	set
03-04-00101	As in above. but Q= 4-11 m ³ /hr. head= 220-100 m. (the unit is	8	set
03-04-00102	As in above. but Q=18 m ³ /hr. head=200m	6	set
03-04-00103	As in above but Q= 10m ³ /hr. head= 140m	4	set
03-04-00104	As in above but Q= 20m ³ /hr. head= 340m	7	set
03-04-00105	Diesel driven centrifugal surface mounted water pump, diesel engine, brackets with anti-vibration mountings, includes electrical starter. With two years spare parts. Altitude 1200m, capacity	3	set
03-04-00106	As in above. but 80m head.	7	Each
03-04-00107	As in above. but 180m head	10	Each
03-04-00108	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	13	set
03-04-00109	Same as above but O = 8 cum/hr. H= 140 m. (the unit is set)	6	set
03-04-00110	Same as above but O = 12 cum/hr. H= 180 m. (the unit is set)	12	set
03-04-00111	Handpump, complete set including connecting rods and riser pipes. (the unit is set) Each set with 15 nos of 3MI pipes	10	set
03-04-00112	Shallow well hand pump. complete set.	10	set

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00113	Deepwell turbine pump complete with body(bowls and impellers), discharge column(Column 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	2	set
03-04-00114	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	1	set
03-04-00115	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 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, 142 liters fuel tank to run for 14 hours. Model TC 50 FM type:7450 I 15- engine, :- spare parts for 2 years operation, operation and maintenance manual(s) and wiring diagram, in	10	set
03-04-00116	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 temperature,	5	Each
03-04-00117	Diesel generator, 200 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.	3	Each
03-04-00118	Ordinary Portland cement packed in 3-ply 50 kg paper bags (equivalent to BS12). (the unit is Ton)	1125	metric ton
03-04-00119	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 0.617 Kg/m,	35	metric ton
03-04-00120	As in above but size 12 mm dia. (the unit is Ton)	155	metric ton
03-04-00121	As in above but size 16 mm dia. (the unit is Ton)	95	metric ton
03-04-00122	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). (the unit is Kg)	2000	Kg
03-04-00123	Concrete holow blocks of size 20x20x40 cm (to be procured locally). For Dohuk blocks should be solid and of size 15x20x40,	700,000	Each
03-04-00124	50x50x3 mm angle iron, mild steel, of 6 metres length.	300	Each
03-04-00125	Manhole cover for light duty domestic use, size 0.3x0.3 M.	220	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00126	Manhole cover for medium duty carriage way, size 0.5x0.5 M.	700	Each
03-04-00127	Steel door with door frame for latrine of size 1 x 2 metres	100	Each
	Rehabilitation/Maintainance of Water Supply Systems		
03-04-00129	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	5	Set
03-04-00130	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 (the unit is set)	5	Set
03-04-00131	Same as above, capacity 22 Kw, for BP 45-12, (the unit is set)	4	Set
03-04-00132	Electrical drainage submersible pump Q=35m ³ /hr, head=50m, complete set with control panel, O&M manual in English with appropriate packing.(Unit is set). Each set should have 40Nos (3ML) each of red oxide threaded column assemblies	6	Set
03-04-00133	Same as above . but head=80m	4	Set
03-04-00134	Same as above. but head=85m	2	Set
03-04-00135	Same as above , but head=110m	2	Set
03-04-00136	Electrical booster pump for pumping treated water Q=30m ³ /hr, head=70m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes. O&M manual in English with appropriate packing.(	1	Set
03-04-00137	Electrical booster pump for pumping treated water Q=30m ³ /hr, head=100m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes. O&M manual in English with appropriate packing.(	1	Set
03-04-00138	Electrical booster pump for pumping treated water Q=30m ³ /hr, head=150m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes, O&M manual in English with appropriate packing.(	1	Set
03-04-00139	Electrical booster pump for pumping treated water Q=30m ³ /hr, head=220m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes. O&M manual in English with appropriate packing.(	3	Set
03-04-00140	Electrical booster pump for pumping treated water Q=30m ³ /hr, head=240m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes. O&M manual in English with appropriate packing.(	3	Set
03-04-00141	Electrical booster pump for pumping treated water Q=60m ³ /hr, head=280m, complete set consisting from pump unit, motor, coupling, control panel, extra flanges for connecting inlet and outlet pipes. O&M manual in English with appropriate packing.(	3	Set
03-04-00142	Sensor. temp. Part No. 3865312	1	Each
03-04-00143	Sensor. press. Part No. 3064521	1	Each
03-04-00144	Sensor postions. Part No. 3078151	1	Each
03-04-00145	Sensor. temp. Part No. 3085185	1	Each
03-04-00146	Sensor. press. Part No. 3085140	1	Each
03-04-00147	Injector. Part No. 3804788	18	Each
	Training and Personal Development/Capacity Building		

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00148	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	250	set
03-04-00149	Vehicle 4WD 5-door station wagon, petrol engine, back door swingout type with standard UN and export specifications for Iraq including air conditioner, front and rear seat belts, and with manufacturer's recommended first service and fast moving spare parts kit with manual in English and spare parts catalogue	1	Each
03-04-00150	Vehicle, 4WD pickup double cabin, long wheel base 2700 cc petrol engine, 5-speed manual floor shift, colour-white, left hand drive incl. air conditioner, power steering, fire extinguisher, FR/RR mud guards with export specifications for Iraq. With manufacturer recommended first service and fast moving spare parts kit with manual in English and spare parts catalogue	3	Each
03-04-00151	UPS, 250 VA, 220/240 V.	6	Each
03-04-00152	Vehicle Water Tanker Truck 9000 litres complete with all necessary accessories and centrifugal Pump, 500l/min at 30m head, spare parts for two years operation, with O & M and spare parts manuals in English	3	Each
03-04-00153	Paper for photocopiers and printers, A4/210 x 297mm	130	Ream
03-04-00154	Paper for photocopiers and printers, A3	25	Ream
03-04-00155	Toner for photocopier Canon, Code F41-8001-000 for NP 4050/4080 colour black.	35	Each
03-04-00156	LASER printer coloured, (unit is set).	3	set
03-04-00157	Laser jet printer or equivalent, A3 & A4. additional 4MB ram, with 1 extra toner cartridge, (unit is set).	4	set
03-04-00158	Desk-top computer. Pentium III, 733 MHz, 10 GB hard drive, 64 MB Ram, floppy disk, 16 Bit Audiocard, 52x CD ROM, 15" SVGA colour monitor-pre-loaded with English/Arabic Windows 98 & MS office professional Win 98 Stlye English keyboard, mouse and pad, external speakers, or updated version.	10	set
03-04-00159	Photocopier, capable of making 60 copies per minute or approx. with 10 toner cartidges, 20 bin stapler sorter, staples, copy drum, spare parts for two years opertions and English manual for parts/services/operation.	3	set
03-04-00160	Voltage regulator for photocopier 8 Amp, 220-240 V.	12	Each
03-04-00161	LECIA T 1100, 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 measurment according to DIN 18723, Battery module to be used continous for 12 hours with operation and user manual in English	3	Each
03-04-00162	Heavy Duty Tipper Truck vehicle:(tail gate type), 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 Injection Type. T. 1300 24 1800, 1200 cc, 8 M.F. 1 T. 1 2000	3	Each
03-04-00163	Hydraulic Crane, with spare parts for 2 years operation and spares/service/operation manual in English.	1	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00164	LEICA NA2 automatic level No. 10352036, GST 20 tripod, telscopic No. 10296632, supplied in foam-padded container made of high performance synthetic material.(unit is set), with operation and user manuals in English	5	Each
03-04-00165	Colour Scanner, including software (COREL PHOTO-PAINT & ADOBE PHOTO - PAINT) and SCSI cable.(To be used with A4	1	Each
03-04-00166	Battery, 12V x 11P x 60 amp-hour, for Toyota pick-up	10	Each
03-04-00167	Battery, 12V x 19P x 135 amp-hour, for Garbage collectors and sewage tankers (HINO, KB 422).	10	Each
03-04-00168	Battery, 12V x 13P x 90 amp-hour, for Land cruiser and Nissan	10	Each
03-04-00169	Tyre with internal tube, size 1200x20	100	Each
03-04-00170	Service truck vehicle with rear cab crane 8.5 tons lifting capacity and fixed body.	1	Each
03-04-00171	Video camera complete with all accessories.	2	Each
03-04-00172	Measuring wheel.	4	Each
03-04-00173	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	2	Each
03-04-00174	Alignment telescope / Range finder,	2	Each
03-04-00175	Mobile concrete mixer (1000)L,	1	Each
03-04-00176	General Cargo diesel truck vehicle 16 ton complete with all necessary accessories	1	Each
03-04-00177	Complete brick manufacturing plant for different sizes.	1	Each
	Training and Personnel Development / Rural Capacity Building		
03-04-00178	Mats (1.6 X 0.8) meter (Local Product)	300	Each
03-04-00179	Tyre with internal tube, size 265x70x16 for Land cruiser, type Toyota & Nissan .	16	Each
03-04-00180	Tyre with internal tube, size 245x70x16 for Pick up double cabine, type Toyota	34	Each
03-04-00181	Mobile caravan installed on four wheel the front wheel should be movable and to be pulled by any heavy truck	3	Each
03-04-00182	Tank for diesel with capacity of 3200 litters.	3	Each
03-04-00183	Flat truck trailer for transportation materials with 4 wheels.	3	Each
03-04-00184	Tank of water 6 m3 for foam	3	Each
03-04-00185	Wooden mattes 50 cm x 70 cm	12	Each
03-04-00186	Long range cordless telephone. SN 568B	1	EA
03-04-00187	Long range cordless telephone. SN 258	1	EA
03-04-00188	Tyre with internal tube. 1200x24	20	EA
03-04-00189	Tyre with internal tube. 1200x20	4	EA
03-04-00190	Tyre with internal tube. 750x16	6	EA
03-04-00191	Tents for trucks	5	EA
03-04-00192	Tyre with internal tube. 16x75	4	each
	Basil P9 AC Spares		
	1-Spare parts for drilling rig Atlas Conco Aquadrill 2500 and		
03-04-00193	Tri- cone bit size 12 1/4" for medium hard formations steel teeth 6 5/8 Reg. Pin. Huohs IIS made type XDV or equevelent	24	Each
03-04-00194	Tri- cone bit size 12 1/4" for hard formations tungsten carbide teeth 6 5/8 Reg. pin. Huohs IIS made type L22 or equevelent	15	Each
03-04-00195	Tri- cone bit size 10 5/8" for medium hard formations steel teeth 6 5/8 Reg. Pin. Huohs IIS made type XDV or equevelent	15	Each
03-04-00196	Tri- cone bit size 10 5/8" for hard formations tungsten carbide teeth 6 5/8 Reg. pin. Huohs IIS made type L22 or equevelent	12	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00197	Tri- cone bit size 8 1/2" for hard formations tungsten carbide teeth 4 1/2 IF pin Hughes US made type L22 or equivalent	10	Each
03-04-00198	Drill pipe OD 4 1/2" (114mm) length 6 meter, wall 8.8mm thread 2 7/8 API IF thread protection PN. 8484014394	17	Each
03-04-00199	Welded blade stabilizer 12 1/4" string type, thread 6 5/8 Reg. Box pin and 6 5/8 Reg. Pin down PN. 8484014854	5	Each
03-04-00200	Welded blade stabilizer 12 1/4" bottom type, thread 6 5/8 Reg. Box pin and 6 5/8 Reg. Box down PN. 8484014849	5	Each
03-04-00201	Cross over sub 2 7/8 IF box x 6 5/8 Reg. Pin.	8	Each
03-04-00202	Cross over sub 2 7/8 IF box x 6 5/8 Reg. box.	5	Each
03-04-00203	Cross over sub 2 7/8 IF box x 6 5/8 Reg. pin.	10	Each
03-04-00204	Cross over sub 3 1/2 IF pin x 6 5/8 Reg. box.	10	Each
03-04-00205	Cross over sub 3 1/2 IF box x 6 5/8 Reg. box.	10	Each
03-04-00206	Atlas copco DTH hammer COP84L for TC button bits 191-254 mm 4 1/2 Reg pin connection max operating pressure 25 bar	5	Each
03-04-00207	DTH bit. 8 5/8" for COP84L PN. 7950341940	15	Each
03-04-00208	DTH bit. 10" for COP84L PN. 7950345440	15	Each
03-04-00209	Heat exchanger Asy (Young T660II #X351120) PN. 6990103284	2	Each
03-04-00210	Fan Asy X60" 4x40.5D shft MT	2	Each
03-04-00211	Gauge electrical oil temp 100-250F(Hvd tank oil temp.) PN.	10	Each
03-04-00212	walk way platform 9-1/2 w x 48lg. PN. 6990100745	15	Each
03-04-00213	Pump water ini FMC E0413C PN. 6990102807.	4	Each
03-04-00214	Chain Roller #140 STD 349P PN. 3965359200	4	Each
03-04-00215	Mud pump Gardner denver FXG 5x6 Hvd driven PN. 6990056461	2	Each
03-04-00216	Compressor XRV 25 bar max. PN. 6990103085	2	Each
	Akram P9		
03-04-00217	Complete engine of AUSA Dumper Ref: PO 45013412	2	Each
03-04-00218	Complete engine of Valtra Tractor. Ref: PO 45018275	6	Each
03-04-00219	Complete engine of Volvo water tanker. Ref: PO 45024408	8	Each
03-04-00220	Complete engine of Kawasaki wheel loader. Ref: PO 45024271	5	Each
03-04-00221	Complete engine of Caterpillar grader. Ref.: PO 45017620.	2	Each
03-04-00222	Tyre with internal tube, size 1200x20 for tip trucks, type Scania Ref: CIX 980016	255	Each
03-04-00223	Tyre with internal tube, size 1200x24 for tip trucks, type Scania/Volvo Ref: 45025551	102	Each
03-04-00224	Tyre with internal tube, size 1400x24 for grader, type caterpillar.	42	Each
03-04-00225	Tyre with internal tube, size 17.5x25 for shovel, type Kawasaki.	20	Each
03-04-00226	Tyre with internal tube, size 20.5x25 for caterpillar Shovel.	26	Each
03-04-00227	Tyre with internal tube, size 16x750 for Tractor.	60	Each
03-04-00228	Tyre with internal tube, size 900x20 for faun road cleaner. Ref: CIX 980016	86	Each
03-04-00229	Tyre with internal tube, size 16.9/14 x 28 for Anter tractor.	40	Each
03-04-00230	Batteries, size 12x19x120 amp-hour for Hino tankers and trucks.	80	Each
03-04-00231	Batteries, size 12x17x88 amp-hour.	80	Each
03-04-00232	Batteries, size 12x13x70 amp-hour.	70	Each
03-04-00233	Batteries, size 12x11x60 amp-hour.	80	Each
03-04-00234	Automatic control panel for DEUTZ diesel generator L43. Ref: PO 45025142	2	Each
03-04-00235	Complete Engine of Volvo tip truck model FM10 Ref: PO 45016025	2	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00236	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Piston set Part No. 21-	30	Each
03-04-00237	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Ring set Part No. 21-	30	Each
03-04-00238	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Big end bearing set Part	30	Set
03-04-00239	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Main bearing set Part	30	Set
03-04-00240	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Oil Pump case Part No.	10	Each
03-04-00241	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Oil pump gear Part No.	10	Each
03-04-00242	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Oil pump gear Part No.	10	Each
03-04-00243	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Oil Pump cover Part No.	10	Each
03-04-00244	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Turbo charger set Part	12	Each
03-04-00245	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Injection Pump Part No.	9	Each
03-04-00246	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Injector Part No. 22-	39	Set
03-04-00247	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Nozzle Part No. 22-	100	Set
03-04-00248	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Radiator part No. 23-	9	Each
03-04-00249	Spare parts for Valtra Valmet Tractors Ref: PO 45018275: Front tiresize 12.4R24 with inner tube	50	Each
03-04-00250	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Rear tire size 16.9R30 with inner tube	50	Each
03-04-00251	Spare Parts for valmet Valtra Tractor 700, chassis No. K47507, Engine No. K17457, Ref: PO 45016834: Trailer tires size 400/60-15.5 with inner tube	60	Each
03-04-00252	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Gland bearing STD part No. A77405	1	Set
03-04-00253	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Cylinder liner set Part No. J904166	8	set
03-04-00254	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Pistons Part set No. A77730	4	Each
03-04-00255	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Ring set part No. A77729	8	Set
03-04-00256	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Big end bearing Part No. STD A77465	6	Set
03-04-00257	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Main bearing Part No STD A77896	6	Set
03-04-00258	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Crank Shaft Part No. J918323	1	Each
03-04-00259	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Turbo charger Part No. J802798	2	Each

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00260	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Gasket cylinder head set Part No. J283337	4	Each
03-04-00261	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Hydraulic Low pressure pump	5	Each
03-04-00262	Spare parts for Excavator type POCLAIN 788, REF: PO. 45018591: Hydraulic high pressure pump	6	Each
03-04-00263	Complete engine of Toyota land cruiser. Ref PO. 45015286	5	Each
03-04-00264	Complete engine of Toyota Pick-up double cabinet. Ref PO.	9	Each
03-04-00265	Complete engine of Nissan patrol station. Ref PO. 45016865	3	Each
BAGS			
03-04-00266	Bags for cement	8,000	Each
Sub-Project: Mon., Eval & Research			
03-04-00267	Colour Printer DeskJet, HP DeskJet 1220C, 600 dpi/ 8MB memory/ A3+, A3, A4 and A5, 11ppm black and 9.5ppm colour for A4, 7 ppm black and 6.4ppm colour for A3, HP's enhanced Color Layering Technology from PhotoREt III, 2400x1200 dpi mode included, including parallel cable.Product No.C2693A	1	each
03-04-00268	Colour Ink Cartridge for HP Deskjet1220C (product	3	each
03-04-00269	Desktop computer, CPQ Evo Deskpro D300s PIII 1.6Ghz, Intel 845 chipset with 133MHz system bus, 20GB Smart II Ultra ATA Hard disk, Integrated AC'97 audio/ 48X CD-ROM, 256 KB Level 2 cache/ CD-ROM 48x Max IDE, 256Mb SDRAM 133Mhz Memory (1 free slot), 3.5", 1.44 MB Floppy/ External Speaker, NVIDIA Vanta 16MB 4X APG Graphics, 3 PCI slot and 1 AGP slot, 2 USB stacked connectors/ 2 serial/ 1parallel, English Windows 98 include recovery CD and manual. On board Intel	8	each
03-04-00270	Laserjet printer, HP LaserJet 2200DN,HP Prores 1200 (true 1200 x 1200 dpi at up to 18 ppm, 8Mb Memroy (max 72MB 2free slots), HP PCL6, HP PCL5e, HP PostScript Level 2 emulation, Include 1 Toner cartridge, (Product NO.C7063A), For further specifications: www.hp.com/go/lj2200.	1	each
03-04-00271	Exrta toner cartridge for the above printer; HP Toner cartridge for LaserJet 2200 DN, (Product NO.C4096A)	3	each
03-04-00272	UPS, 220V for desktop computer, APC Smart UPS 1500 230V, (product NO.SU1500INET)	6	each
03-04-00273	Photocopier machine (complete with accessories and consumables); Photocopier, Canon complete copier NP-6317, Peter Justesen 2001, Page 722, Article No. 53269	1	each
03-04-00274	Toner for the above Photocopier	3	each
03-04-00275	A4 size, 80 mg, white colour, photocopier paper, ream 500 pages	10	ream
03-04-00276	A3 size paper, white colour, ream of 500 pages	5	ream
03-04-00277	Office table, double pedestal desk W1500xD750xH720mm wood separate drawer unit (3drawers)	8	each
03-04-00278	Office chair with arms rests, swivel fabric,	8	each
03-04-00279	Sofa set, 4 Pcs, 3+2+1+1, first quality wood and clothes cover	1	set

CODE	Description	QUANTITY	UNIT OF MEASURE
03-04-00280	Vehicle 2WD Pickup Double Cabin: TOYOTA Hilux RZN147L-PRMDSV, 2000 cc petrol engine, 5-speed manual floor shift, 6 seater, 4 door, left hand drive, color; white, with radio, AM/FM & cassette w/2sp, with fabric seats, front and rear seat belts, fire extinguisher, air conditioner (cooling and heating), FR.RR mud	1	each
03-04-00281	Air conditioner, split unit, capacity 18, 000 BTU, cold and heat, fixable on wall with remote control, including all installation requirement, providing circuit breaker 30 Amp, CRABTREE UK, 15 M.L cable size 2 X 4mm Iranian made and Iron base 1" of angle - Iron for the out door unit.	2	each
	Contingency Items for Local Procurement (funded by savings)		
03-04-00282	Mugs / Pitcher (for toilet)	50,000	Each
03-04-00283	Latrine Pan (Plastic) with trap	7,500	Each
03-04-00284	Plastic dust bin with cover (small size)	10,000	Each
03-04-00285	Washing bowls plastic diammeter 54 cm. capacity of 24 liter	40,000	Each
03-04-00286	Plastic barrel , size 100 liter	1,500	Each
03-04-00287	Sand for filtration. Sand shall be of hard and resistant quartz or quartzite and free of clay, fine particles, soft grains, organic matter and dirt of every description.	90	M3
03-04-00288	Gravel for filters. Gravel shall be of hard and resistant material, free of clay, fine particles, soft grains, organic matter and dirt of every description.	90	M3
03-04-00289	GI steel tanks of size (2x3x3) m for filtration	15	Each
03-04-00290	GI steel tanks of size (2x3x2) m for sedimentation tanks	30	Each
03-04-00291	Diesel for 7 days for critical areas	500.000	Liter
03-04-00292	Engine oil for 7 days for critical areas	10,000	Liter
03-04-00293	Measuring tapes 5M	50	Each
03-04-00294	Measuring tapes 20M	50	Each
03-04-00295	Measuring tapes 30M	50	Each
03-04-00296	GI steel tanks of capacity 20.000 liters for storing Diesel	12	Each
03-04-00297	GI steel tanks of capacity 12.000 liters for storing Diesel	12	Each
03-04-00298	GI steel tanks of capacity 8.000 liters for storing Diesel	12	Each
03-04-00299	Fuel tank, capacity 22.000 litre	1	Each
03-04-00300	Fuel tank, capacity 13.500 litre	1	Each
03-04-00301	Fuel tank, capacity 10.000 litre	3	Each
03-04-00302	GI Pipe, ND 6.0", PN 25	945	Each
03-04-00303	GI Pipe, ND 4.0", PN 26	1,890	Each
03-04-00304	GI Pipe, ND 3.0", PN 27	3,150	Each
03-04-00305	GI Pipe, ND 2.5", PN 28	2,520	Each
03-04-00306	GI Pipe, ND 2.0", PN 29	3,150	Each
03-04-00307	GI Pipe, ND 1.5", PN 30	3,150	Each