

**SECTION -1-
Aluminium Sulphate**

Code	Description	Qty
03-02-00001	Aluminium Sulphate in 50 Kg bags	20000 ton

**SECTION -2-
Supply Chlorine Gas**

Code	Description	Qty
03-02-00002	Supply New cylinder of (1) ton with chlorine gas	2000 ton
03-02-00003	Filling (1) ton Cylinder with chlorine gas	2000 ton
03-02-00004	Supply New cylinder of (50) kg with chlorine gas	500 ton
03-02-00005	Filling (50) kg Cylinder with chlorine gas	500 ton
	total	5000

**SECTION 3
BLEACHING POWDER
(CALCIUM HYPOCHLORITE)**

Code	Description	Qty
03-02-00006	Supply Bleaching Powder (calcium hypochlorite)	500 ton

**SECTION 4
CHLORINATROS with spare parts
for all Governorates**

Code	Description	Qty
03-02-00007	Cylinder mounted, 500 g / hr.	500
03-02-00008	Wall mounted, 1000 g / hr.	500
03-02-00009	Wall mounted 2000 g / hr.	1000
03-02-00010	Wall mounted, 3000 g / hr.	500
03-02-00011	Wall mounted, 4000g / hr.	500
03-02-00012	Wall mounted 5000 g / hr.	300
03-02-00013	Wall mounted 6000 g / hr.	300
03-02-00014	Floor mounted 8000 g / hr.	200
03-02-00015	Floor mounted 10000 g / hr.	300
03-02-00016	Floor mounted 12000 g / hr.	100

03-02-00017	Floor mounted 20000 g / hr.	100
TOTAL		4300

SECTION 5
Alumina dossing pumps

Code	Capacity (L/hr)	Head (m)	Qty
03-02-00018	250	30	20
03-02-00019	520	20	10
03-02-00020	200	30	90
03-02-00021	200	15	20
03-02-00022	180	15	10
03-02-00023	100	12	10
03-02-00024	1420	20	10
03-02-00025	25	70	10
03-02-00026	80	30	140
03-02-00027	50	25	330
03-02-00028	25	30	470
03-02-00029	142	20	180
03-02-00030	500	30	10
03-02-00031	100	25	50
03-02-00032	5.5	30	330
03-02-00033	600	25	20
03-02-00034	1000	30	10
03-02-00035	1000	40	25
03-02-00036	600	40	150
03-02-00037	300	30	20
03-02-00038	300	40	30
03-02-00039	150	25	10
03-02-00040	500	50	10
03-02-00041	400	70	20
03-02-00042	860	30	10
03-02-00043	420	30	10
03-02-00044	545	30	10
03-02-00045	760	30	20
03-02-00046	300	100	20
03-02-00047	100	100	20
03-02-00048	100	50	10
03-02-00049	50	80	10
03-02-00050	400	100	20
03-02-00051	800	100	10
03-02-00052	1100	50	10
03-02-00053	500	100	10
03-02-00054	150	40	30
03-02-00055	1200	60	20
03-02-00056	1100	100	10
03-02-00057	600	116	20
03-02-00058	800	116	10

Total

2235

Section - 6 -
CHLORINE BOOSTING PUMPS

Code	Capacity (m3/h)	Head (m)	Qty
03-02-00059	12	56	80
03-02-00060	25	70	80
03-02-00061	10	70	80
03-02-00062	20	80	100
03-02-00063	6	54	100

03-02-00064	15	80	400
03-02-00065	5	80	40
03-02-00066	2	80	500
03-02-00067	6	100	180
03-02-00068	9	120	50
03-02-00069	20	120	50
03-02-00070	15	100	60
03-02-00071	10	160	120
03-02-00072	16	200	80
03-02-00073	9	200	120
03-02-00074	4	80	100
03-02-00075	25	80	60
03-02-00076	10	80	80
03-02-00077	14	70	140
03-02-00078	20	60	120

Total

2540

SECTION 7

EQUIPMENT FOR WATER AND SEWAGE TREATMENT PLANTS

Code	Cov.name	Project name .	capacitym3/h	Qty
03-02-00079	Nenawa	Sinjar w t p	6000	1
03-02-00080	Nenawa	Hamam al alil water treatment plant	8000	1
03-02-00081	Nenawa	Tal-Afar water treatment plant	8000	1
03-02-00082	Salah-Al-Deen	Al- thiloya water treatment plant	3000	1
03-02-00083	Salah-Al-Deen	Tuz-Kufri water treatment plant	4000	1
03-02-00084	Salah-Al-Deen	Shirkat water treatment plant	2000	1
03-02-00085	Salah-Al-Deen	Qadissia water treatment plant	3000	1
03-02-00086	Salah-Al-Deen	Qadissia sewage treatment plant	L.S	1
03-02-00087	Salah-Al-Deen	AL- Ouga sewage pumping station and net work	L.S	1
03-02-00088	Salah-Al-Deen	Samara sewage treatment plant	12000	1
03-02-00089	Baghdad	Al-Nahrawan cattle raiseres village sewerage project	L.S	1
03-02-00090	Diala	Balad rose water treatment plant	2000	1
03-02-00091	Diala	Baquba 1 st stage sewerage project	L.S	1
03-02-00092	Babil	Al-Mahaweel w.t.p	3000	1
03-02-00093	Babil	Al-Hilla 2 nd stage sewerage project	L.S	1
03-02-00094	Kerbala	Kerbala 2nd stage sewerage project	L.S	1
03-02-00095	Al-Najaf	Al-Kufa sewerage network	L.S	1
03-02-00096	Al-Tamim	Al-Toon copri w.t.p	400	1
03-02-00097	Al-Tamim	Kirkuk 1 st stage sewerage project	L.S	1
03-02-00098	Wasit	Al-KUT Unified W.T.P	8000	1
03-02-00099	Wasit	Al-Kut 1st stage sewerage network	L.S	1

03-02-00100	Al-Muthana	New Samawa W.T.P	8000	1
03-02-00101	Al-Muthana	Al-Samawa 1st stage sewerage project	L.S	1
03-02-00102	Thigar	AL-Dawaya W.T.P	6000	1
03-02-00103	Missan	Al-Maimona W.T.P	800	1
03-02-00104	Missan	Al-Majer al kabir W.T.P	1000	1
03-02-00105	Missan	Al-Kahlaa W.T.P	1000	1
03-02-00106	Basrah	New basra W.T.P	30000	1
03-02-00107	Basrah	Al-Qurna unified w.t.p	4000	1
03-02-00108	Basra	Basra Sewage treatment plant phase (3)	94000	1

total

30

SECTION 8
Lorry with crane

Code	Description	Qty
03-02-00109	Lorry (10) ton with (5) ton telescopic crane	200

SECTION - 9 -
Horizontal Split Case Pumps

Code	Gov.Name	Project Name	Q (m3/h)	H (m)	Qty	Type	R.P.M
03-02-00110	Wasit	Al suwaira w.t.p	250	80	4	S.C	1500
03-02-00111	=	New Nummaniya w.t.p	165	40	8	S.C	1500
03-02-00112	=	Old Nummaniya w.t.p	120	40	6	S.C	1500
03-02-00113	=	Old Nummaniya w.t.p	120	20	6	S.C	1500
03-02-00114	=	New Nummaniya w.t.p	160	20	6	S.C	1500
03-02-00115	=	Al -Ahrar w.t.p	165	50	2	S.C	1500
03-02-00116	=	Al -Ahrar w.t.p	170	20	2	S.C	1500
03-02-00117	=	Jasan w.t.p	100	50	4	S.C	1500
03-02-00118	=	Jasan w.t.p	120	20	3	S.C	1500
03-02-00119	=	Sheikh saad w.t.p	80	50	1	S.C	1500
03-02-00120	=	Al Dubouni w.t.p	55	50	3	S.C	3000
03-02-00121	=	Al Dubouni w.t.p	60	25	6	S.C	1500
03-02-00122	=	Al Mazraa w.t.p	90	50	6	S.C	1500
03-02-00123	=	Al Mazraa w.t.p	60	25	6	S.C	1500
03-02-00124	=	Al Dahnouk w.t.p	350	20	8	S.C	1500
03-02-00125	=	Al Dahnouk w.t.p	230	50	4	S.C	1500
03-02-00126	=	Kut w.t.p	850	20	3	S.C	1500
03-02-00127	=	Kut w.t.p	650	40	3	S.C	1500
03-02-00128	=	Al Hay w.t.p	550	50	3	S.C	1500
03-02-00129	=	Al Hay w.t.p	450	20	2	S.C	1500
03-02-00130	=	Al Hay w.t.p	450	40	6	S.C	1500
03-02-00131	=	Al Suwaira w.t.p	550	40	4	S.C	1500
03-02-00132	=	Al Muaffaqiya w.t.p	90	20	2	S.C	1500
03-02-00133	=	Al Muaffaqiya w.t.p	80	40	2	S.C	1500
03-02-00134	=	Al Zubaidia w.t.p	55	40	2	S.C	3000
03-02-00135	=	Al Zubaidia w.t.p	60	20	6	S.C	1500
03-02-00136	=	Sheikh saad w.t.p	180	20	2	S.C	1500
03-02-00137	=	Sheikh saad w.t.p	80	100	6	S.C	1500
03-02-00138	=	Sheikh saad w.t.p	80	50	2	S.C	3000
03-02-00139	=	Um Sunayem w.t.p	60	20	2	S.C	1500
03-02-00140	=	Um Sunayem w.t.p	55	40	2	S.C	3000
03-02-00141	=	Al Suwaira w.t.p	650	50	6	S.C	1500
03-02-00142	=	Al Suwaira w.t.p	650	20	3	S.C	1500
03-02-00143	=	Al Suwaira w.t.p	500	85	8	S.C	1500
03-02-00144	=	Al Suwaira w.t.p	150	80	2	S.C	1500
03-02-00145	=	Al Samideen wal Muntasireen C.U.	110	20	2	S.C	1500
03-02-00146	=	Al Samideen wal Muntasireen C.U.	90	40	2	S.C	1500
03-02-00147	=	Al Bashar w.t.p	60	20	2	S.C	1500
03-02-00148	=	Al Bashar w.t.p	55	50	2	S.C	3000
03-02-00149	=	Wasit W.T.P	60	20	2	S.C	1500
03-02-00150	=	Wasit W.T.P	90	40	2	S.C	1500
03-02-00151	=	Al Aziziya w.t.p	600	10	3	S.C	1500
03-02-00152	=	Al Aziziya w.t.p	400	20	3	S.C	1500
03-02-00153	Missan	Amara w.t.p Unified	600	20	6	S.C	1500
03-02-00154	=	Amara w.t.p Unified	550	40	6	S.C	1500
03-02-00155	=	Boosting Station	120	60	6	S.C	1500
03-02-00156	=	Al Rafiden w.t.p	350	40	3	S.C	1500
03-02-00157	=	Al Rafiden w.t.p	400	20	3	S.C	1500
03-02-00158	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	120	40	24	S.C	1500

03-02-00159	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	150	20	24	S.C	1500
03-02-00160	Basrah	Al Hussien Boosting Station	930	60	3	S.C	1500
03-02-00161	=	Al Hussien Boosting Station	750	120	3	S.C	1500
03-02-00162	=	Al Mudaina W.T.P	200	50	8	S.C	1500
03-02-00163	=	Al Jasem	100	60	4	S.C	1500
03-02-00164	=	Shatt – Al Hel	50	50	8	S.C	2900
03-02-00165	=	Garma No. (2)	50	50	20	S.C	2900
03-02-00166	=	Shatt – Arab W.T.P	480	9	6	S.C	1500
03-02-00167	=	Al –Mufeqeya Boosting Station	160	80	6	S.C	1500
03-02-00168	=	Khor AL Zubair W.T.P	378	60	4	S.C	1500
03-02-00169	=	Khor AL Zubair W.T.P	405	6	4	S.C	1500
03-02-00170	=	Khor AL Zubair W.T.P	540	11	6	S.C	1500
03-02-00171	=	Al Dair W.T.P	250	50	5	S.C	1500
03-02-00172	=	Al Dair W.T.P	200	20	5	S.C	1500
03-02-00173	=	Al Bratheaa W.T.P	400	60	8	S.C	1500
03-02-00174	=	Al Bratheaa W.T.P	400	25	8	S.C	1500
03-02-00175	=	Al –Faw W.T.P	400	79	5	S.C	1500
03-02-00176	=	Al –Faw W.T.P	300	20	5	S.C	1500
03-02-00177	=	Faw Net Work	50	50	6	S.C	2900
03-02-00178	=	Faw Net Work	200	50	4	S.C	1500
03-02-00179	=	Old Al-Mudaina w.t.p	200	20	10	S.C	1500
03-02-00180	=	Old Al-Mudaina w.t.p	200	80	8	S.C	1500
03-02-00181	=	Al Bratheaa w.t.p	1500	90	8	S.C	1500
03-02-00182	=	Al Suwaip w.t.p	200	60	8	S.C	1500
03-02-00183	=	Al Basrah Unified w.t.p	1000	80	8	S.C	1500
03-02-00184	=	Al Basrah Unified w.t.p	400	60	9	S.C	1500
03-02-00185	=	Old Al Shuwaiba w.t.p	400	60	12	S.C	1500
03-02-00186	=	Al Ribat w.t.p	200	50	16	S.C	1500
03-02-00187	=	Abo –Alkasib w.t.p	200	50	25	S.C	1500
03-02-00188	=	Abo –Alkasib w.t.p	200	50	8	S.C	1500
03-02-00189	=	Abo –Alkasib w.t.p	50	50	30	S.C	2900
03-02-00190	Al Muthana	Hay –Al Saniya	300	80	6	S.C	1500
03-02-00191	=	Al Daraje w.t.p	60	50	12	S.C	3000
03-02-00192	=	Al Daraje w.t.p	60	20	12	S.C	1500
03-02-00193	=	Al Majed w.t.p	60	50	3	S.C	3000
03-02-00194	=	Al –HALAL Village	60	50	2	S.C	3000
03-02-00195	=	Al –HALAL w.t.p	100	50	2	S.C	1500
03-02-00196	=	Storm Station	100	20	20	S.C	1500
03-02-00197	=	Storm Station	150	20	20	S.C	1500
03-02-00198	=	Storm Station	200	20	10	S.C	1500
03-02-00199	=	Al Warka W.T.P	300	20	3	S.C	1500
03-02-00200	=	Al Warka W.T.P	216	60	4	S.C	1500
03-02-00201	=	Al Warka W.T.P	216	90	6	S.C	1500
03-02-00202	=	Al Warka W.T.P	216	15	2	S.C	1500
03-02-00203	=	Ramathan Boosting	500	40	3	S.C	1500
03-02-00204	=	Al Karama Boosting	100	70	8	S.C	3000
03-02-00205	=	Al Majed – Al –Mamlaha B.S	300	70	6	S.C	1500
03-02-00206	=	Al Mamlaha B.S	216	60	10	S.C	1500
03-02-00207	=	Al –Entsar B.S	100	40	6	S.C	1500
03-02-00208	=	Al Rsala Residenital Building	100	60	6	S.C	1500
03-02-00209	=	Al Askan Residenital Building	25	20	1	S.C	1500
03-02-00210	=	New Project	675	90	5	S.C	1500
03-02-00211	=	New Project	810	15	5	S.C	1500
03-02-00212	=	Al Kader w.t.p	216	40	8	S.C	1500
03-02-00213	=	Al Sakak Houses	120	50	3	S.C	1500
03-02-00214	=	New Rumaitha W.T.P	700	80	5	S.C	1500
03-02-00215	=	New Rumaitha W.T.P	200	60	8	S.C	1500
03-02-00216	=	New Rumaitha W.T.P	800	12	5	S.C	1500

03-02-00217	=	New Rumaitha W.T.P	510	15	3	S.C	1500
03-02-00218	=	New Rumaitha W.T.P	300	15	3	S.C	1500
03-02-00219	=	New Rumaitha W.T.P	375	90	3	S.C	1500
03-02-00220	=	New Rumaitha W.T.P	180	90	2	S.C	1500
03-02-00221	=	New Rumaitha W.T.P	200	70	8	S.C	1500
03-02-00222	=	New Rumaitha W.T.P	20	20	2	S.C	1500
03-02-00223	=	New Rumaitha W.T.P	100	50	2	S.C	1500
03-02-00224	=	New Rumaitha W.T.P	600	21	8	S.C	1500
03-02-00225	=	New Rumaitha W.T.P	800	12	3	S.C	1500
03-02-00226	Diala	Al Abara W.T.P	160	11	3	S.C	1500
03-02-00227	=	Abo –Sadia W.T.P	600	8	1	S.C	1500
03-02-00228	=	Abo –Sadia W.T.P	315	15	3	S.C	1500
03-02-00229	=	Abo –Sadia W.T.P	90	60	2	S.C	1500
03-02-00230	=	Abo –Sadia W.T.P	200	60	8	S.C	1500
03-02-00231	=	Baladroz W.T.P	210	20	3	S.C	1500
03-02-00232	=	Baladroz W.T.P	210	30	2	S.C	1500
03-02-00233	=	Baladroz W.T.P	220	60	8	S.C	1500
03-02-00234	=	Baladroz W.T.P	110	60	4	S.C	1500
03-02-00235	=	Baladroz W.T.P	100	60	4	S.C	1500
03-02-00236	=	Baladroz W.T.P	75	60	2	S.C	3000
03-02-00237	=	Baladroz W.T.P	110	30	6	S.C	1500
03-02-00238	=	Old Al Muqdadiya W.T.P.	350	11	3	S.C	1500
03-02-00239	=	Old Al Muqdadiya W.T.P.	180	50	3	S.C	1500
03-02-00240	=	Beni – Saad W.T.P	410	10	11	S.C	1500
03-02-00241	=	Beni – Saad W.T.P	160	50	6	S.C	1500
03-02-00242	=	Beni – Saad W.T.P	200	60	5	S.C	1500
03-02-00243	=	Beni – Saad W.T.P	350	60	4	S.C	1500
03-02-00244	=	Kanaan W.T.P	200	15	2	S.C	1500
03-02-00245	=	Kanaan W.T.P (M.S)	65	91	2	S.C	1500
03-02-00246	=	Kanaan W.T.P	135	75	2	S.C	1500
03-02-00247	=	Kanaan W.T.P	65	52	2	S.C	3000
03-02-00248	=	Kanaan W.T.P	360	11	2	S.C	1500
03-02-00249	Diala	Al Khalis W.T.P	675	35	6	S.C	1500
03-02-00250	=	Al Khalis W.T.P	780	30	6	S.C	1500
03-02-00251	Diala	Al Khalis W.T.P	625	30	10	S.C	1500
03-02-00252	=	Al Khalis W.T.P (M.S)	100	100	8	S.C	1500
03-02-00253	=	Baquba W.T.P	1050	10	5	S.C	1500
03-02-00254	=	Baquba W.T.P	600	20	3	S.C	1500
03-02-00255	=	Baquba W.T.P	300	68	8	S.C	1500
03-02-00256	=	Baquba W.T.P	420	100	4	S.C	1500
03-02-00257	=	Baquba W.T.P	420	36	4	S.C	1500
03-02-00258	=	Baquba W.T.P	300	100	6	S.C	1500
03-02-00259	=	Khanagin W.T.P	250	125	8	S.C	1500
03-02-00260	=	Khanagin W.T.P	630	12	5	S.C	1500
03-02-00261	=	Boosting Station	600	70	6	S.C	1500
03-02-00262	=	Boosting Station	60	50	2	S.C	3000
03-02-00263	=	Boosting Station	160	50	2	S.C	1500
03-02-00264	=	Boosting Station	120	82	6	S.C	1500
03-02-00265	=	Jalwla W.T.P	420	36	3	S.C	1500
03-02-00266	=	Jalwla W.T.P	400	40	8	S.C	1500
03-02-00267	=	Jalwla W.T.P	250	70	8	S.C	1500
03-02-00268	=	Jalwla W.T.P	275	12	4	S.C	1500
03-02-00269	=	Qura – Taba W.T.P	312	30	4	S.C	1500
03-02-00270	=	Qura – Taba W.T.P	86	68	4	S.C	3000
03-02-00271	=	Qura – Taba W.T.P (M.S)	60	96	8	S.C	1500
03-02-00272	=	Qura – Taba W.T.P	90	66	4	S.C	3000
03-02-00273	=	Qura – Taba W.T.P	450	24	2	S.C	1500
03-02-00274	=	Qura – Taba W.T.P (M.S)	50	100	6	S.C	1500
03-02-00275	=	Al Munathraa W.T.P (M.S)	100	100	3	S.C	1500
03-02-00276	=	Al Tahrer W.T.P	630	20	2	S.C	1000
03-02-00277	=	Al Tahrer W.T.P	550	36	2	S.C	1500

03-02-00278	Thiqar	Nasseriah Unified W.T.P	820	20	6	S.C	1500
03-02-00279	=	Nasseriah Unified W.T.P	796	170	12	S.C	1500
03-02-00280	=	Nasseriah Unified W.T.P	900	30	12	S.C	1000
03-02-00281	=	Al Shatra W.T.P	575	20	9	S.C	1500
03-02-00282	=	Al Shatra W.T.P	575	65	9	S.C	1500
03-02-00283	=	Al Refayi W.T.P	250	50	12	S.C	1500
03-02-00284	=	Al Refayi W.T.P	300	20	12	S.C	1500
03-02-00285	=	Al Refayi W.T.P	300	20	2	S.C	1500
03-02-00286	=	Al Refayi Village W.T.P	125	20	6	S.C	1500
03-02-00287	=	Al Refayi Village W.T.P	120	40	6	S.C	1500
03-02-00288	Thiqar	Qalaat Sukkur W.T.P	420	40	12	S.C	1500
03-02-00289	=	Qalaat Sukkur W.T.P	420	20	6	S.C	1500
03-02-00290	=	Qalaat Sukkur W.T.P	90	60	12	S.C	3000
03-02-00291	=	Qalaat Sukkur W.T.P (M.S)	90	100	12	S.C	1500
03-02-00292	=	Qalaat Sukkur W.T.P	600	20	6	S.C	1500
03-02-00293	=	Al –Fajer W.T.P	60	40	6	S.C	1500
03-02-00294	=	Al –Fajer W.T.P	64	20	12	S.C	1500
03-02-00295	=	Al –Nasir W.T.P	60	40	12	S.C	1500
03-02-00296	=	Al –Nasir W.T.P	64	20	12	S.C	1500
03-02-00297	=	Sug Al – Shuqi W.T.P	205	40	3	S.C	1500
03-02-00298	=	Sug Al – Shuqi W.T.P	120	50	3	S.C	1500
03-02-00299	=	Wafah Al –Qaid Boosting	600	100	12	S.C	1500
03-02-00300	=	Garmat –Beni –Saeed W.T.P	60	40	9	S.C	3000
03-02-00301	=	Garmat –Beni –Saeed W.T.P	64	20	3	S.C	1500
03-02-00302	=	Al Fahod W.T.P	200	40	8	S.C	1500
03-02-00303	=	Al Fahod W.T.P	205	30	8	S.C	1500
03-02-00304	=	Al Dawyia W.T.P	90	20	8	S.C	1500
03-02-00305	=	Al Dawyia W.T.P	90	40	3	S.C	1500
03-02-00306	=	Al Baathya W.T.P	200	40	8	S.C	1500
03-02-00307	=	Al Baathya W.T.P	200	20	8	S.C	1500
03-02-00308	=	Al Eslah W.T.P	90	40	8	S.C	1500
03-02-00309	=	Al Eslah W.T.P	90	20	3	S.C	1500
03-02-00310	=	Old Nasseriah W.T.P	250	30	8	S.C	1500
03-02-00311	=	Old Nasseriah W.T.P	250	50	8	S.C	1500
03-02-00312	Salaheldeen	Tikrit W.T.P 2 nd stage	850	41	8	S.C	1500
03-02-00313	=	Tikrit W.T.P 2 nd stage	750	57	8	S.C	1500
03-02-00314	=	Old Tikrit W.T.P	450	60	8	S.C	1500
03-02-00315	=	Old Tikrit W.T.P	400	40	8	S.C	1500
03-02-00316	=	Al Ougi W.T.P	200	25	8	S.C	1500
03-02-00317	=	Al Ougi W.T.P	120	60	9	S.C	1500
03-02-00318	=	Al Ailam W.T.P	250	30	4	S.C	1500
03-02-00319	=	Al Ailam W.T.P (M.S)	60	60	12	S.C	1500
03-02-00320	=	New Al Dor W.T.P	430	25	3	S.C	1500
03-02-00321	=	New Al Dor W.T.P	414	50	8	S.C	1500
03-02-00322	=	New Al Dor W.T.P	300	80	6	S.C	1500
03-02-00323	Salaheldeen	Old Al Dor W.T.P	250	50	8	S.C	1500
03-02-00324	=	Old Al Dor W.T.P	60	40	8	S.C	3000
03-02-00325	=	Al – Sharqid W.T.P	350	25	8	S.C	1500
03-02-00326	=	Al – Sharqid W.T.P	225	40	4	S.C	1500
03-02-00327	=	Al – Sharqid W.T.P	120	100	8	S.C	3000
03-02-00328	=	Al – Sharqid W.T.P	288	25	6	S.C	1500
03-02-00329	=	Al – Sharqid W.T.P	288	40	6	S.C	1500
03-02-00330	=	Old Al – Sharqid W.T.P	150	25	4	S.C	1500
03-02-00331	=	Old Al – Sharqid W.T.P	96	30	4	S.C	1500
03-02-00332	=	Al – Sharqid Villiage W.T.P	350	25	6	S.C	1500
03-02-00333	=	Al – Sharqid Villiage W.T.P	120	100	6	S.C	3000
03-02-00334	=	Al – Sharqid W.T.P No. (2)	210	25	6	S.C	1500

03-02-00335	=	Al –Sharqid W.T.P No. (2)	144	40	8	S.C	1500
03-02-00336	=	Al –Fairs W.T.P	95	20	2	S.C	1500
03-02-00337	=	Al –Fairs W.T.P	95	60	4	S.C	1500
03-02-00338	=	Al –Tarmiyah W.T.P	90	20	2	S.C	1500
03-02-00339	=	Al –Tarmiyah W.T.P	90	50	2	S.C	1500
03-02-00340	=	Old Dozz W.T.P	180	80	2	S.C	1500
03-02-00341	=	Samarra W.T.P	800	60	8	S.C	1500
03-02-00342	=	Samarra W.T.P	450	50	3	S.C	1500
03-02-00343	=	Al –Fairs W.S.S	1495	15	4	S.C	1500
03-02-00344	=	New Balad W.T.P	250	20	6	S.C	1500
03-02-00345	=	Ishaqi – Uthrap W.T.P	130	30	1	S.C	1500
03-02-00346	=	Ishaqi – Uthrap W.T.P	90	60	1	S.C	1500
03-02-00347	=	Ishaqi – Uthrap W.T.P	360	102	4	S.C	1500
03-02-00348	=	Ishaqi – Uthrap W.T.P	420	82	4	S.C	1500
03-02-00349	=	Ishaqi – Uthrap W.T.P	575	20	2	S.C	1500
03-02-00350	=	Balad W.S.S.	250	25	2	S.C	1500
03-02-00351	=	Balad W.S.S.	500	25	4	S.C	1500
03-02-00352	=	New Al –Thoayia W.S.S	250	25	4	S.C	1500
03-02-00353	=	Old Al –Thoayia W.S.S	250	25	4	S.C	1500
03-02-00354	=	New Al –Thoayia W.S.S	210	45	6	S.C	1500
03-02-00355	=	Old Al –Thoayia W.S.S	210	45	6	S.C	1500
03-02-00356	Baghdad	Old Madain W.T.P.	264	68	6	S.C	1500
03-02-00357	=	Old Madain W.T.P.	264	12	8	S.C	1500
03-02-00358	=	New Madain W.T.P.	900	17	8	S.C	1500
03-02-00359	=	Al Rashidya W.T.P	780	14	6	S.C	1500
03-02-00360	=	Al –Muhmodia W.T.P.	1050	15	4	S.C	1500
03-02-00361	=	Al –Muhmodia W.T.P.	1000	37	8	S.C	1500
03-02-00362	=	Al –Muhmodia B.S.	500	15	5	S.C	1500
03-02-00363	=	Al- Lateffai W.T.P	300	15	3	S.C	1500
03-02-00364	Baghdad	Al- Lateffai W.T.P	300	5	3	S.C	1500
03-02-00365	=	Al- Lateffai W.T.P	100	30	2	S.C	1500
03-02-00366	=	Al-Rashida W.T.P	183	11	3	S.C	1500
03-02-00367	=	Al-Rashida W.T.P	800	11	3	S.C	1500
03-02-00368	=	Al-Rashida W.T.P	450	55	2	S.C	1500
03-02-00369	=	Al-Rashida W.T.P	195	60	2	S.C	1500
03-02-00370	=	Al-Rashida W.T.P	150	58	2	S.C	1500
03-02-00371	=	Al-Rashida W.T.P	735	40	3	S.C	1500
03-02-00372	=	Al-Rashida W.T.P	600	12	3	S.C	1500
03-02-00373	=	Al-Nahrawin Boosting	500	80	2	S.C	1500
03-02-00374	=	Al-Nahrawin Boosting	1000	85	3	S.C	1500
03-02-00375	Najaf	Najaf W.T.P	2280	196	2	S.C	1500
03-02-00376	Kerbala	Jadwal Al-Gharbi W.T.P	120	40	2	S.C	1500
03-02-00377	=	Jadwal Al-Gharbi W.T.P	120	20	2	S.C	1500
03-02-00378	=	Jadwal Al-Gharbi W.T.P	60	40	2	S.C	3000
03-02-00379	=	Jadwal Al-Gharbi W.T.P	60	20	2	S.C	1500
03-02-00380	=	Boosting Station	1200	42	3	S.C	1500
03-02-00381	=	Project No. (7)	1400	17	6	S.C	1000
03-02-00382	=	Project No. (7)	1350	50	6	S.C	1000
03-02-00383	=	Project No. (7)	540	9	4	S.C	1000
03-02-00384	=	Ain –Tamer Boosting Station	350	100	3	S.C	1500
03-02-00385	=	Al-Uriba Boosting Station	1200	40	3	S.C	1500
03-02-00386	=	Al-Hindaya W.T.P	735	25	4	S.C	1500
03-02-00387	=	Al-Hindaya W.T.P	445	46	4	S.C	1500
03-02-00388	=	Al-Hindaya W.T.P	333	60	3	S.C	1500
03-02-00389	=	Al-Hindaya W.T.P	1200	25	2	S.C	1500
03-02-00390	=	Al-Hindaya W.T.P	762	30	3	S.C	1500
03-02-00391	=	Sewage Project	500	30	2	S.C	1000
03-02-00392	=	Old Al-Hindaya W.T.P	160	25	3	S.C	1500
03-02-00393	=	Old Al-Hindaya W.T.P	150	60	4	S.C	1500
03-02-00394	Babil	New –Hilla W.T.P	1600	7	2	S.C	1000
03-02-00395	taameem	Different Place	540	70	10	S.C	1500
03-02-00396	=	Different Place	900	30	10	S.C	1500
03-02-00397	=	Al Zap Unified W.T.P (M.S)	100	80	6	S.C	1500

03-02-00398	=	Al Zap W.T.P (M.S)	90	100	3	S.C	1500
03-02-00399	=	Al Zap Village (M.S) W.T.	80	60	4	S.C	1500
03-02-00400	=	Al Zap Village (M.S) W.T.	85	20	4	S.C	1500
03-02-00401	=	Al Reyadh Village W.T.	312	20	3	S.C	1500
03-02-00402	=	Al Reyadh W.T.	200	60	6	S.C	1500
03-02-00403	=	Al Reyadh W.T.	220	20	6	S.C	1500
03-02-00404	taameem	Al Abassy w.t.	140	70	2	S.C	1500
03-02-00405	=	Al Abassy w.t.	160	20	2	S.C	1500
03-02-00406	=	Al Daquk w.t.p	375	60	4	S.C	1500
03-02-00407	=	Al Daquk w.t.p	380	20	3	S.C	1500
03-02-00408	=	Taza W.T.	260	60	2	S.C	1500
03-02-00409	=	Taza W.T.	280	20	2	S.C	1500
03-02-00410	=	Hassan Village W.T.	80	20	2	S.C	1500
03-02-00411	=	Hassan Village W.T.	70	60	2	S.C	3000
03-02-00412	=	Tal Ali W.T.	150	70	4	S.C	1500
03-02-00413	=	Tal Ali W.T.	160	30	4	S.C	1500
03-02-00414	=	Al Toon Kobry W.T.	400	60	4	S.C	1500
03-02-00415	=	Al Toon Kobry W.T.	420	20	4	S.C	1500
03-02-00416	=	Al DEBIS W.T.	600	20	4	S.C	1500
03-02-00417	=	Al DEBIS W.T.	800	20	3	S.C	1500
03-02-00418	=	Al DEBIS W.T.	600	20	4	S.C	1500
03-02-00419	=	Al DEBIS W.T.	300	60	6	S.C	1500
03-02-00420	=	Al DEBIS W.T./3300		500	2	S.C	1500
03-02-00421	Qadeseaya	Diwaniya W.T. *	1150	17	6	S.C	1500
03-02-00422	=	Diwaniya W.T. *	1000	16	6	S.C	1500
03-02-00423	=	Diwaniya W.T. *	225	64	2	S.C	1500
03-02-00424	=	Diwaniya W.T. *	350	21	1	S.C	1500
03-02-00425	=	Diwaniya W.T. *	600	10	1	S.C	1500
03-02-00426	=	Diwaniya W.T. *	1000	53	6	S.C	1500
03-02-00427	=	Diwaniya W.T. *	300	33	4	S.C	1500
03-02-00428	=	Diwaniya W.T. *	300	15	4	S.C	1500
03-02-00429	=	Diwaniya W.T. *	590	17	6	S.C	1500
03-02-00430	=	Al Shameayah W.T.	425	40	4	S.C	1500
03-02-00431	=	Al Shameayah W.T.	290	55	4	S.C	1500
03-02-00432	=	Al Shameayah W.T.	270	53	4	S.C	1500
03-02-00433	=	Al Shameayah W.T.	261	53	4	S.C	1500
03-02-00434	=	Al Qammas W.T.	150	40	6	S.C	1500
03-02-00435	=	Al Qammas W.T.	200	20	6	S.C	1500
03-02-00436	=	Al Bdeer W.T.	150	20	6	S.C	1500
03-02-00437	=	Al Bdeer W.T.	90	40	6	S.C	1500
03-02-00438	=	Al Dagara W.T.	300	24	4	S.C	1500
03-02-00439	=	Al Dagara W.T. (M.S)	90	84	4	S.C	3000
03-02-00440	=	Al Dagara W.T. (M.S)	150	73	4	S.C	1500
03-02-00441	Nenewa	Al-Mousel right bank w.t	1440	35	12	S.C	1500
03-02-00442	=	Al-Mousel right bank w.t	1380	90	8	S.C	1500
03-02-00443	=	Al-Mousel right bank w.t	1380	60	8	S.C	1500
03-02-00444	=	Al-Mousel right bank w.t	960	60	8	S.C	1500
03-02-00445	=	Al-Mousel lift bank w.t	1000	30	9	S.C	1500
03-02-00446	=	Al-Mousel lift bank w.t	960	60	9	S.C	1500
03-02-00447	=	Al-Mousel lift bank w.t	1190	80	9	S.C	1500
03-02-00448	=	Al-Mousel lift bank w.t	1190	53	8	S.C	1500
03-02-00449	=	Al-Mousel lift bank w.t	1000	80	8	S.C	1500
03-02-00450	=	Al-Mousel lift bank w.t	130	55	8	S.C	1500
03-02-00451	=	Hamam Al-Alel W.T.P	200	40	8	S.C	1500
03-02-00452	=	Hamam Al-Alel W.T.P	250	20	8	S.C	1500
03-02-00453	=	Al-Hather W.T.P	300	190	6	S.C	1500
03-02-00454	=	Al-Hather W.T.P	350	75	8	S.C	1500
03-02-00455	=	Al-Baiaj W.T.P	150	20	8	S.C	1500
03-02-00456	=	Makhmor W.T.P	400	50	8	S.C	1500
03-02-00457	=	Makhmor W.T.P	60	70	8	S.C	1500
03-02-00458	=	Makhmor W.T.P	100	120	8	S.C	1500
03-02-00459	=	Makhmor W.T.P	200	20	8	S.C	1500
03-02-00460	=	Al-Hamdanya W.T.P	200	60	8	S.C	1500
03-02-00461	=	Al-Hamdanya W.T.P	600	40	8	S.C	1500
03-02-00462	=	Al-Hamdanya W.T.P	210	35	8	S.C	1500

03-02-00463	Nenewa	Al-Shikan W.T.P	90	30	5	S.C	1500
03-02-00464	=	Rabia a W.T.P	150	20	2	S.C	1500
03-02-00465	=	Tal Akaif W.T.P (M.S)	100	255	8	S.C	1500
03-02-00466	=	Tal Akaif W.T.P	100	20	8	S.C	1500
03-02-00467	=	Tal Akaif W.T.P (M.S)	600	180	8	S.C	1500
03-02-00468	=	Tal Akaif W.T.P (M.S)	200	116	8	S.C	1500
03-02-00469	=	Tal Akaif W.T.P	1200	47	8	S.C	1500
03-02-00470	=	Singaar W.T.P	60	80	12	S.C	1500
03-02-00471	=	Hamadit W.T.P	90	30	8	S.C	1500
03-02-00472	=	Hamadit W.T.P	60	40	8	S.C	1500
03-02-00473	=	Hamadit W.T.P	90	50	2	S.C	1500
03-02-00474	=	Hamadit W.T.P	60	40	2	S.C	1500
03-02-00475	=	Zemar W.T.P	61	36	2	S.C	1500
03-02-00476	=	Zemar W.T.P (M.S)	210	25	6	S.C	1500
03-02-00477	=	Al-Kaira W.T.P	144	30	6	S.C	1500
03-02-00478	=	Al-Kaira W.T.P	144	50	6	S.C	1500
03-02-00479	=	Al-Kaira W.T.P	60	30	6	S.C	1500
03-02-00480	=	Al-Shora W.T.P	300	40	4	S.C	1500
03-02-00481	=	Al-Shora W.T.P	144	30	4	S.C	1500
03-02-00482	=	Al-Shora W.T.P	280	80	6	S.C	1500
03-02-00483	=	Al-Shora W.T.P	50	75	4	S.C	1500
03-02-00484	=	Al-Rashidya w.t.p	150	15	8	S.C	1500
03-02-00485	=	Al-Rashidya w.t.p	100	15	8	S.C	1500
03-02-00486	=	Al-Rashidya w.t.p (M.S)	100	100	6	S.C	1500
03-02-00487	=	Tal afer W.T.P	1050	15	12	S.C	1500
03-02-00488	=	Tal afer W.T.P	850	115	8	S.C	1500
03-02-00489	=	Tal afer W.T.P	250	200	12	S.C	1500
03-02-00490	=	Tal afer W.T.P	300	18	8	S.C	1500
03-02-00491	=	Tal afer W.T.P	600	125	8	S.C	1500
03-02-00492	=	Tal afer W.T.P	90	50	6	S.C	1500
03-02-00493	=	Tal afer W.T.P	300	50	6	S.C	1500
03-02-00494	=	Tal afer W.T.P (M.S)	240	150	8	S.C	1500
03-02-00495	=	Tal afer W.T.P(M.S)	60	140	4	S.C	1500
03-02-00496	=	Al-Hamadanya W.T.P	720	30	8	S.C	1500
03-02-00497	=	Al-Hamadanya W.T.P	900	165	8	S.C	1500
03-02-00498	=	Al-Hamadanya W.T.P	120	40	2	S.C	1500
03-02-00499	=	Al-Hamadanya W.T.P	180	90	2	S.C	1500
03-02-00500	=	Al-Hamadanya W.T.P	780	52	2	S.C	1500
03-02-00501	=	Al-Hamadanya W.T.P	500	40	3	S.C	1500
03-02-00502	=	Gir –Gaber W.T.P (M.S)	150	125	8	S.C	1500
03-02-00503	=	Gir –Gaber W.T.P	150	20	4	S.C	1500
03-02-00504	=	Gir –Gaber W.T.P (M.S)	90	90	3	S.C	1500
03-02-00505	=	Gir –Gaber W.T.P (M.S)	90	100	3	S.C	1500
03-02-00506	=	Gir –Gaber W.T.P	90	30	3	S.C	1500
03-02-00507	=	Gir –Gaber W.T.P	150	30	4	S.C	1500
03-02-00508	Nenewa	Al – Quraj W.T.P	400	35	8	S.C	1500
03-02-00509	=	Al – Quraj W.T.P	200	150	6	S.C	1500
03-02-00510	=	Al – Quraj W.T.P	90	60	4	S.C	1500
03-02-00511	=	Al – Quraj W.T.P (M.S)	150	100	4	S.C	1500
03-02-00512	=	Al-Kware W.T.P	550	40	4	S.C	1500
03-02-00513	=	Al-Kware W.T.P	180	70	2	S.C	1500
03-02-00514	=	Al-Kware W.T.P (M.S)	90	100	2	S.C	1500
03-02-00515	=	Al-Dindin W.T.P	650	60	4	S.C	1500
03-02-00516	=	Al-Dindin W.T.P	45	15	4	S.C	1500
03-02-00517	=	Al-Kware W.T.P	900	8	2	S.C	1000
03-02-00518	=	Al-Kware W.T.P (M.S)	100	200	2	S.C	1500
03-02-00519	=	Dabaka W.T.P(M.S)	75	200	2	S.C	1500
03-02-00520	=	Tal a fer W.T.P(M.S)	250	200	4	S.C	1500
03-02-00521	=	Tal a fer W.T.P(M.S)	150	200	2	S.C	1500
03-02-00522	=	Makhmor W.T.P (M.S)	150	200	6	S.C	1500
03-02-00523	=	Makhmor W.T.P	100	60	2	S.C	1500
03-02-00524	=	Makhmor W.T.P (M.S)	100	125	4	S.C	1500
03-02-00525	=	Makhmor W.T.P	200	20	4	S.C	1500
03-02-00526	=	Makhmor W.T.P (M.S)	400	160	3	S.C	1500
03-02-00527	=	Qadissia Boosting Station	200	35	6	S.C	1500

03-02-00528	=	Boosting Station inside mosul	400	50	6	S.C	1500
03-02-00529	=	Boosting Station inside mosul	90	60	4	S.C	1500
03-02-00530	=	Boosting Station inside mosul	400	60	6	S.C	1500
03-02-00531	=	Boosting Station inside mosul	144	40	6	S.C	1500
03-02-00532	=	Boosting Station inside mosul	500	60	4	S.C	1500
03-02-00533	=	Boosting Station inside mosul	500	50	4	S.C	1500
03-02-00534	=	Boosting Station inside mosul	60	40	9	S.C	1500
03-02-00535	=	Boosting Station inside mosul	400	50	2	S.C	1500
03-02-00536	=	Boosting Station inside mosul	500	60	8	S.C	1500
03-02-00537	=	Boosting Station inside mosul	640	80	4	S.C	1500
03-02-00538	=	Boosting Station inside mosul	500	60	6	S.C	1500
03-02-00539	=	Boosting Station inside mosul	400	50	7	S.C	1500
03-02-00540	=	Boosting Station inside mosul	500	50	3	S.C	1500
03-02-00541	Nenewa	Boosting Station inside mosul	250	40	3	S.C	1500
03-02-00542	=	Boosting Station inside mosul	20	40	2	S.C	1500
03-02-00543	=	Boosting Station inside mosul	144	60	14	S.C	1500
03-02-00544	=	Boosting Station inside mosul	200	60	2	S.C	1500
03-02-00545	=	Boosting Station inside mosul	600	50	3	S.C	1500
03-02-00546	=	Boosting Station inside mosul	250	60	2	S.C	1500
03-02-00547	=	Boosting Station inside mosul	300	60	4	S.C	1500
03-02-00548	=	Adnania / Dabaka	400	120	4	S.C	1500
03-02-00549	=		200	50	4	S.C	1500
03-02-00550	=	=	200	145	4	S.C	1500
03-02-00551	Anbar	Ramadi W.T.P	1000	68	2	S.C	1500
03-02-00552	=	New Ramadi W.T.P	300	20	4	S.C	1500
03-02-00553	=	Al-Fallaja W.T.P	700	80	4	S.C	1500
03-02-00554	=	Old Al-Fallaja W.T.P	350	50	4	S.C	1500
03-02-00555	=	Al-Namaia W.T.P	250	50	4	S.C	1500
03-02-00556	=	Unified Heet –Kabasia w.t.p	350	60	2	S.C	1500
03-02-00557	=	Kabasia W.T.P	150	160	2	S.C	1500
03-02-00558	=	Unified Heet –Kabasia w.t.p	60	53	2	S.C	1500
03-02-00559	=	Unified Heet w.t.p	30	61	2	S.C	1500
03-02-00560	=	Unified Heet Village w.t.p	210	51	3	S.C	1500
03-02-00561	=	Old Heet w.t.p	250	40	2	S.C	1500
03-02-00562	=	Old Heet w.t.p	250	60	2	S.C	1500
03-02-00563	=	Yogaslive W.T.P	200	60	6	S.C	1500
03-02-00564	=	Al-Frait W.T.P	150	60	2	S.C	1500
03-02-00565	=	Al-Karma W.T.P	700	50	2	S.C	1500
03-02-00566	=	Al-Karhol Line	320	57	2	S.C	1500
03-02-00567	=	Al-Samah line	240	62	8	S.C	1500
03-02-00568	=	Al-Karma W.T.P	600	10	6	S.C	1500
03-02-00569	=	Al-Karma W.T.P	750	60	4	S.C	1500
03-02-00570	=	West –desert W.T.P	700	190	20	S.C	1500
03-02-00571	=	West –desert W.T.P	700	171	6	S.C	1500

03-02-00572	=	West –desert W.T.P	600	200	6	S.C	1500
03-02-00573	=	West –desert W.T.P	600	132	6	S.C	1500
03-02-00574	=	West –desert W.T.P	600	250	6	S.C	1500
03-02-00575	=	West –desert W.T.P& Al-Qaim	375	70	13	S.C	1500
03-02-00576	=	Deferent Sites	1000	70	70	S.C	1500
03-02-00577	=	Rawa W.T.P	200	70	6	S.C	1500
03-02-00578	=	Rawa W.T.P	180	90	6	S.C	1500
03-02-00579	=	Rawa W.T.P	150	70	4	S.C	1500
03-02-00580	Anbar	Rawa W.T.P	180	80	4	S.C	1500
03-02-00581	=	Al-Tharther W.T.P	105	150	8	S.C	1500
03-02-00582	=	Al-Tharther W.T.P	50	100	6	S.C	1500
03-02-00583	=	Al-Tharther W.T.P	75	100	2	S.C	1500
03-02-00584	=	Al-Tharther W.T.P	75	75	2	S.C	1500
03-02-00585	=	Al-Eabadey W.T.P	60	20	10	S.C	1500
03-02-00586	=	Al-Eabadey W.T.P	100	80	5	S.C	1500
03-02-00587	=	Al-Ratiba W.T.P	150	100	5	S.C	1500
03-02-00588	=	Al-Habaniya W.T.P	100	55	3	S.C	1500
03-02-00589	=	Al-Habaniya W.T.P	72	40	3	S.C	1500
03-02-00590	=	Al-Habaniya W.T.P	216	40	2	S.C	1500
03-02-00591	=	Anna W.T.P	470	50	9	S.C	1500
03-02-00592	=	Al-Ramadiy W.T.P	1050	20	8	S.C	1500
03-02-00593	=	Al-Ramadiy W.T.P	350	20	4	S.C	1500
03-02-00594	=	Al-Falloja W.T.P	500	40	3	S.C	1500
03-02-00595	=	Al-Falloja W.T.P	410	20	4	S.C	1500

TOTAL

2712

**Section -10 -
Ball Bearing**

Code	Gov. name	Ball Bearing no.	Qty.
03-02-00596	Nenewa	29324	100
03-02-00597	=	6026	100
03-02-00598	=	7317	250
03-02-00599	=	6317	250
03-02-00600	=	6224	100
03-02-00601	=	7224	100
03-02-00602	=	6226	100
03-02-00603	=	7310	250
03-02-00604	=	7312	250
03-02-00605	=	7313	200
03-02-00606	=	6316	100
03-02-00607	=	6318	100
03-02-00608	=	6319	100
03-02-00609	=	6320	100
03-02-00610	=	6322	100
03-02-00611	=	N4 224 E	150
03-02-00612	=	N3 22N	150
03-02-00613	=	N 312 E	150
03-02-00614	=	N4 322	250
03-02-00615	=	N4 317	250
03-02-00616	=	N4 318	250
03-02-00617	=	N4 319	200
03-02-00618	=	6220	100
03-02-00619	=	6211	150
03-02-00620	=	7214	100
03-02-00621	=	6217	100
03-02-00622	=	6222	100
03-02-00623	=	6314	100
03-02-00624	=	6216	100
03-02-00625	=	6212	100
03-02-00626	=	6306	100
03-02-00627	=	6311	100
03-02-00628	=	6406	100
03-02-00629	=	6308	100
03-02-00630	=	6312	100
03-02-00631	=	6307	100
03-02-00632	=	6309	100
03-02-00633	=	6312	100

03-02-00634	=	6313	100
03-02-00635	=	6411	100
03-02-00636	=	6305	100
03-02-00637	=	6209	100
03-02-00638	=	N4 215	100
03-02-00639	nenewa	3312	50
03-02-00640	Baghdad	6311	40
03-02-00641	=	6308	40
03-02-00642	=	6315	20
03-02-00643	=	6305	20
03-02-00644	=	6306	40
03-02-00645	=	6206	20
03-02-00646	=	6309	20
03-02-00647	=	6310	30
03-02-00648	=	6216	20
03-02-00649	=	6312	20
03-02-00650	=	6414	20
03-02-00651	=	6217	20
03-02-00652	=	6313	20
03-02-00653	=	6205	20
03-02-00654	=	6307	20
03-02-00655	=	6313 C3	30
03-02-00656	=	N 216 - E CP	30
03-02-00657	=	6209 C3	20
03-02-00658	=	6314	25
03-02-00659	=	N 317	25
03-02-00660	=	6310 C3	25
03-02-00661	Najaf	6311	100
03-02-00662	=	6322	115
03-02-00663	=	6319	150
03-02-00664	=	7314	150
03-02-00665	=	6314	100
03-02-00666	=	6212	120
03-02-00667	=	6306	120
03-02-00668	=	6309	120
03-02-00669	=	6324	120
03-02-00670	=	6317	100
03-02-00671	=	6307	100
03-02-00672	=	6313	120
03-02-00673	=	6316	15
03-02-00674	=	6320	20
03-02-00675	=	6311	20
03-02-00676	=	6315	20
03-02-00677	=	313 NU	20
03-02-00678	=	315	20
03-02-00679	Kerbala	MJ 2 1/2	32
03-02-00680	=	6320	16
03-02-00681	=	6414	15
03-02-00682	=	6314	40
03-02-00683	=	N U 318	10
03-02-00684	=	6318	20
03-02-00685	=	6307	24
03-02-00686	Kerbala	6306	14
03-02-00687	=	6206	16
03-02-00688	=	6308	20
03-02-00689	=	6310	30
03-02-00690	=	6307	20
03-02-00691	=	6311	12
03-02-00692	=	6312	12
03-02-00693	=	6411	12
03-02-00694	AL-Anbar	6410	90
03-02-00695	=	6305	90
03-02-00696	=	7311	25
03-02-00697	=	314 N S	25
03-02-00698	=	R M S 14	90
03-02-00699	=	R M S 159 / 16	50
03-02-00700	=	1 4 3	50

03-02-00701	=	1 4 1	50
03-02-00702	=	6204	10
03-02-00703	=	6304	50
03-02-00704	=	6310	50
03-02-00705	=	6209	50
03-02-00706	=	6321	25
03-02-00707	=	6317	140
03-02-00708	=	6318	25
03-02-00709	=	7321	25
03-02-00710	=	6224	25
03-02-00711	=	N S 624	25
03-02-00712	=	6315	25
03-02-00713	=	6312	25
03-02-00714	=	6307	25
03-02-00715	=	6306	25
03-02-00716	=	7310	25
03-02-00717	=	3301	25
03-02-00718	=	3310	25
03-02-00719	=	6000	75
03-02-00720	=	6205	75
03-02-00721	=	6206	75
03-02-00722	=	6308	75
03-02-00723	=	6309	75
03-02-00724	=	6311	25
03-02-00725	=	6300	50
03-02-00726	=	6312	25
03-02-00727	=	6313	25
03-02-00728	=	6406	25
03-02-00729	=	216	50
03-02-00730	=	212	50
03-02-00731	=	309	25
03-02-00732	=	7320	25
03-02-00733	AL-Anbar	NU 320	50
03-02-00734	=	NU 318	50
03-02-00735	=	NU 311	10
03-02-00736	=	3311	50
03-02-00737	Qadissia	6216	80
03-02-00738	=	6310	60
03-02-00739	=	6314 Z Z	48
03-02-00740	=	6216 Z Z	40
03-02-00741	=	6312 2 R S	80
03-02-00742	=	6211	30
03-02-00743	=	N U - 22125	40
03-02-00744	=	3211	40
03-02-00745	=	6315 / C3	40
03-02-00746	=	N U 2305	40
03-02-00747	=	56207 NA	40
03-02-00748	=	FG 207	40
03-02-00749	=	22216 H C	50
03-02-00750	=	NU P 309 E N	50
03-02-00751	=	63062 Z	25
03-02-00752	=	30207	40
03-02-00753	=	6308 2 R S	90
03-02-00754	=	6317 C 3	80
03-02-00755	=	6320 C 3	40
03-02-00756	=	6321	24
03-02-00757	=	N 321	24
03-02-00758	=	6217	32
03-02-00759	=	N 217	32
03-02-00760	=	6309	80
03-02-00761	=	6311	90
03-02-00762	=	6316	50
03-02-00763	=	6305	100
03-02-00764	=	6414	50
03-02-00765	=	6313	50
03-02-00766	=	N U 316	60
03-02-00767	=	N U 314	60

03-02-00768	=	NU 2220	40
03-02-00769	=	6220 C3	40
03-02-00770	=	7316 B	30
03-02-00771	=	N U 320	30
03-02-00772	=	23026 E S	30
03-02-00773	=	29426 E	30
03-02-00774	=	31315	40
03-02-00775	=	2316 NU	40
03-02-00776	=	23230	8
03-02-00777	=	22316 C	8
03-02-00778	=	24152 C	8
03-02-00779	=	24136 C	8
03-02-00780	Qadissia	7310 B	40
03-02-00781	=	7310 C3	150
03-02-00782	=	7312 C3	150
03-02-00783	Tameem	6310	90
03-02-00784	=	6309	60
03-02-00785	=	6308	50
03-02-00786	=	6307	80
03-02-00787	=	6311	20
03-02-00788	=	6305	46
03-02-00789	=	6306	30
03-02-00790	=	6315	32
03-02-00791	=	6322	30
03-02-00792	=	6210	25
03-02-00793	=	6312	12
03-02-00794	Mesaan	6305	50
03-02-00795	=	6306	50
03-02-00796	=	6308	50
03-02-00797	=	6309	50
03-02-00798	=	6310	50
03-02-00799	=	6311	50
03-02-00800	=	6411	50
03-02-00801	=	6410	50
03-02-00802	=	6314	50
03-02-00803	=	6315	50
03-02-00804	=	6316	50
03-02-00805	=	6317	50
03-02-00806	Muthana	6312 C3	100
03-02-00807	=	7314	100
03-02-00808	=	N 314	120
03-02-00809	=	6308 C3	120
03-02-00810	=	1 1 4	100
03-02-00811	=	N 1 1 / 4	80
03-02-00812	=	N U 222	100
03-02-00813	=	6217	80
03-02-00814	=	6306	150
03-02-00815	=	6308	120
03-02-00816	=	6312	200
03-02-00817	=	6305	200
03-02-00818	=	G 204	100
03-02-00819	=	6212	110
03-02-00820	=	6208	120
03-02-00821	=	6206	150
03-02-00822	=	6315	80
03-02-00823	=	6316	75
03-02-00824	=	6317	100
03-02-00825	=	7314 B	50
03-02-00826	=	314 N	50
03-02-00827	Muthana	222 N	12
03-02-00828	=	6309	50
03-02-00829	=	6310	50
03-02-00830	=	6307	50
03-02-00831	Basrah	692 Z1	170
03-02-00832	=	6407 Z2	180
03-02-00833	=	6211 Z2	160
03-02-00834	=	6410 Z2	190

03-02-00835	=	6314 Z2	300
03-02-00836	=	6309 Z2	300
03-02-00837	=	6294 Z2	150
03-02-00838	=	6313 Z2	300
03-02-00839	=	6308 Z2	300
03-02-00840	=	6209 Z2	175
03-02-00841	=	6305 Z2	160
03-02-00842	=	6210 Z2	160
03-02-00843	=	6310 Z2	175
03-02-00844	=	6306 Z2	300
03-02-00845	=	6406 Z1	300
03-02-00846	=	6311 Z2	300
03-02-00847	=	6312 Z2	190
03-02-00848	=	214 N	45
03-02-00849	=	6307 Z2	300
03-02-00850	=	6315 Z2	160
03-02-00851	=	6206 Z2	190
03-02-00852	=	6205 Z2	190
03-02-00853	=	6202 Z2	130
03-02-00854	=	6203 Z3	140
03-02-00855	Wasit	6305	50
03-02-00856	=	6306	50
03-02-00857	=	6307	50
03-02-00858	=	6308	50
03-02-00859	=	6309	50
03-02-00860	=	6310	50
03-02-00861	=	6311	50
03-02-00862	=	6312	50
03-02-00863	=	6313	50
03-02-00864	=	6314	50
03-02-00865	=	6315	50
03-02-00866	=	6316	50
03-02-00867	=	6317	50
03-02-00868	=	6318	50
03-02-00869	=	6319	50
03-02-00870	=	6320	50
03-02-00871	=	6205	50
03-02-00872	=	6206	50
03-02-00873	=	6207	50
03-02-00874	Wasit	6208	50
03-02-00875	=	6209	50
03-02-00876	=	6210	50
03-02-00877	=	6211	50
03-02-00878	=	6212	50
03-02-00879	=	6213	50
03-02-00880	=	6214	50
03-02-00881	=	6215	50
03-02-00882	=	3305	50
03-02-00883	=	3306	50
03-02-00884	=	3307	50
03-02-00885	=	3308	50
03-02-00886	=	3309	50
03-02-00887	=	3310	50
03-02-00888	=	3311	50
03-02-00889	=	3312	50
03-02-00890	=	3313	50
03-02-00891	=	3314	50
03-02-00892	=	3315	50
03-02-00893	=	3316	50
03-02-00894	=	3317	50
03-02-00895	=	3318	50
03-02-00896	=	3319	50
03-02-00897	=	3320	50
03-02-00898	=	7305	50
03-02-00899	=	7306	50
03-02-00900	=	7307	50
03-02-00901	=	7308	50

03-02-00902	=	7309	50
03-02-00903	=	7310	50
03-02-00904	=	7311	50
03-02-00905	=	7312	50
03-02-00906	=	7313	50
03-02-00907	=	7314	50
03-02-00908	Diala	6308	1900
03-02-00909	=	6315	790
03-02-00910	=	6309	1950
03-02-00911	=	6305	250
03-02-00912	=	6207	200
03-02-00913	=	6209	600
03-02-00914	=	6307	200
03-02-00915	=	6310	5000
03-02-00916	=	6312	2500
03-02-00917	=	6313	600
03-02-00918	=	6409	700
03-02-00919	=	6306	600
03-02-00920	=	R MS 14	2000
03-02-00921	Diala	6216	500
03-02-00922	=	6204	500
03-02-00923	=	6316	300
03-02-00924	=	6206	300
03-02-00925	=	6208	300
03-02-00926	=	633 L Z	300
03-02-00927	=	6410	400
03-02-00928	=	6304	100
03-02-00929	=	R M S 10	300
03-02-00930	=	R M S 12	300
03-02-00931	Salaheldeen	6305	570
03-02-00932	=	6307	420
03-02-00933	=	6308	524
03-02-00934	=	6311	330
03-02-00935	=	6313	300
03-02-00936	=	6315	636
03-02-00937	=	6317	250
03-02-00938	=	6318	310
03-02-00939	=	6319	175
03-02-00940	=	6406	100
03-02-00941	=	6411	120
03-02-00942	=	6312	269
03-02-00943	=	N U 317	150
03-02-00944	=	N U 319	150
03-02-00945	=	N U 322	150
03-02-00946	=	N U 318	150
03-02-00947	=	6205	200
03-02-00948	=	6208	200
03-02-00949	=	6210	200
03-02-00950	=	6212	200
03-02-00951	=	N U 315	220
03-02-00952	=	R M S 10	220
03-02-00953	=	R M S 16 / 15	20
03-02-00954	=	2 R S 6309	16
03-02-00955	=	2 R S 6307	16
03-02-00956	=	2 R S 6306	12
03-02-00957	=	2 R S 6308	16
03-02-00958	=	M J I 3 / 4	20
03-02-00959	=	N U 319	88
03-02-00960	=	N U 219	20
03-02-00961	=	7316	60
03-02-00962	=	N 212	16
03-02-00963	=	N 313	16
03-02-00964	=	6310	168
03-02-00965	=	6309	20
03-02-00966	=	6314	56
03-02-00967	=	6308	8
03-02-00968	Salaheldeen	7309	40

03-02-00969	=	7310	30
03-02-00970	=	7311	120
03-02-00971	=	7312	80
03-02-00972	=	7314	100
03-02-00973	=	N 324	40
03-02-00974	=	6306	60
03-02-00975	=	N U 312	40
03-02-00976	=	6313	20
03-02-00977	=	N U 215	20
03-02-00978	=	N U 216	20
03-02-00979	=	1 3 / 4	50
03-02-00980	=	6317	91
03-02-00981	=	6206	10
03-02-00982	=	R M S 14	50
03-02-00983	=	M Z T 13 / 19	28
03-02-00984	=	6319 NU	25
03-02-00985	=	6318 NU	10
03-02-00986	Thiqar	6004	50
03-02-00987	=	6206	50
03-02-00988	=	6305	103
03-02-00989	=	6306	122
03-02-00990	=	6307	174
03-02-00991	=	6308	92
03-02-00992	=	6309	152
03-02-00993	=	6310	74
03-02-00994	=	6311	95
03-02-00995	=	6312	79
03-02-00996	=	6313	84
03-02-00997	=	6314	64
03-02-00998	=	6315	80
03-02-00999	=	6316	120
03-02-01000	=	6317	90
03-02-01001	=	6207	70
03-02-01002	=	6208	70
03-02-01003	=	6209	70
03-02-01004	=	6210	120
03-02-01005	=	6215	120
03-02-01006	=	6217	110
03-02-01007	=	6406	100
03-02-01008	=	6405	100
03-02-01009	=	3318	300
03-02-01010	=	2211	100
03-02-01011	=	22320	100
03-02-01012	=	N U 320 / C3	100
03-02-01013	=	N U 318	100
03-02-01014	=	3216	100
03-02-01015	Thiqar	3313	100
03-02-01016	=	220	100
03-02-01017	=	N U 218	100
03-02-01018	=	217	50
03-02-01019	=	7317	125
03-02-01020	=	216	100
03-02-01021	=	23026	100
03-02-01022	=	32318	100
03-02-01023	=	2317	200
03-02-01024	=	7411	200
03-02-01025	=	6416	200
03-02-01026	=	7320	70
03-02-01027	=	2209	140
03-02-01028	=	7409	25
03-02-01029	=	N 319	25
03-02-01030	=	6319	20
03-02-01031	=	N 207	20
03-02-01032	=	N 205	25
03-02-01033	=	6318	25
03-02-01034	=	6324	25
03-02-01035	=	2307	25

03-02-01036	=	6328	25
03-02-01037	=	3211	20
03-02-01038	=	6211	26
03-02-01039	=	6212	20
03-02-01040	=	5305	26
03-02-01041	=	6034	24
03-02-01042	=	1305	26
03-02-01043	=	3406	12
03-02-01044	=	6320	12

total

56250

SECTION 11
Mobile work shop truck

Code	Description	Qty
03-02-01045	Mobile work shop truck	100

SECTION 12
Amphibious dredger

Code	Description	Qty
03-02-01046	Amphibious hydraulic excavator	8
03-02-01047	Dredger capacity 1000 m3hr	2
03-02-01048	Dredger capacity 500 m3hr	2
	Total	12

Section - 13 -
Wheel Loader (Shovels)

Code	Description	Qty
03-02-01049	Wheel Loader (shovel)	400

SECTION 14
Fork lift

Code	Description	Qty
03-02-01050	4 WD , diesle enging , hydrostactic transmission , with spare part.	150
	A- 5 ton capacity	
	B - (3) ton capacity	150
	total	300

SECTION 15
Lorry and trailer

Code	Description	Qty
03-02-01051	1- Truck 2 ton	500
03-02-01052	2- Lorry 5 ton	150
03-02-01053	3- Lorry 10 ton	150
03-02-01054	4- Lorry 15 ton	150
03-02-01055	5- Trailer with lorry 35 ton	100
03-02-01056	6- Tipping truck with 12 m3 tipper body	400
03-02-01057	7- Low loader 35 ton	100

TOTAL

1550

SECTION 16
Cars for transport employeres

Code	Description	Qty
------	-------------	-----

03-02-01058	Cars for transport employees 21 - 26 seater	90
03-02-01059	Benzine engine , manual gear , capacity 14 passangers , with spare parts.	90
03-02-01060	Desil engine , manual gear , capacity 40 passangers , with spare parts.	220
	Total	400

SECTION 17
pick up - Cars

Code	Description	Qty
03-02-01061	1/ 2 ton cpacity banzin enging , power steering , 2WD aircondition , 4 doors , with spare parts.	1300
03-02-01062	1 ton cpacity diesel enging , power steering , 2WD aircondition , 2 doors , with spare parts.	200
03-02-01063	1 ton cpacity banzin enging , power steering , 4WD aircondition , 4 doors , with spare parts.	500
	TOTAL	2000

Section -18-
Compressors with jack -Hammer

Code	Description	Qty.
03-02-01064	Air Compressor With spare parts 360 ft/min	100
03-02-01065	Ditto but 250 ft/min .	100
03-02-01066	Ditto but 175 ft/min .	100
03-02-01067	Ditto but pressure (12 - 14) bar	160
	TOTAL	460

Section -19-
Sewerage Diesel Pumps

Code	Gov. Name	Project Name	Q (m3/hr)	H (m)	Qty
03-02-01068	Basrah	Al-Rebate Sewage B.S.	500	20	20
03-02-01069	=	Al-Ashar Sewage B.S.	50	20	20
03-02-01070	=	Al-Basrah Sewage B.S.	125	20	20
03-02-01071	=	Al-Fao Sewage T. P	250	15	20
03-02-01072	=	Al-Basrah Sewage T. P.	500	15	20
03-02-01073	=	Al-Meagale W.T.P	50	20	24
03-02-01074	Mesan	Mesan Sewage T.P	500	20	24
03-02-01075	Thiqar	Al-Naserea Sewage T.P	500	20	40
03-02-01076	=	Al-Nasereya Sewage Boosting Station	250	20	20
03-02-01077	=	Al-Nasereya Sewage Boosting Station	500	20	20
03-02-01078	Salaheldeen	Tikreat Sewage T.P	250	12	28
03-02-01079	=	Tikreat Sewage T.P	500	12	8
03-02-01080	Najaf	Al-Najaf Sewage Station	500	15	20
03-02-01081	Al-Tameem	Al-Zab W.T.P	250	15	10
03-02-01082	=	Al-Reayadh W.T.P	250	15	10
03-02-01083	=	Al-Reayadh W.T.P	250	30	8

03-02-01084	=	Al-Haweaga W.T.P	250	15	8
03-02-01085	=	Al-Abbas W.T.P	250	15	100
03-02-01086	=	Different W.T.P	250	15	20
03-02-01087	Baghdad	Water Treatment Projects	50	10	60
03-02-01088	Al-Gov.	Water & Sewage Projects	500	10	40
03-02-01089	=	Water & Sewage Projects	125	30	100
03-02-01090	=	Water & Sewage Projects	250	15	100
TOTAL			740		

**SECTION -20-
Vertical Pumps**

Code	Gov. Name	Project Name	Q (m3/hr)	H (m)	R.P.M.	Shaft length (m)	Qty	Suc.dia. mm	Del. dia. mm
03-02-01091	Basrah	C Sewage lifting station	1100	30	1450	2.1	2	300	250
03-02-01092		Basrah Sewage T.P	180	7.2	720	4.9	2	150	150
03-02-01093		Basrah unified w.t.p.*	1025	20	1480	6.2	5		
03-02-01094		Sewage station No. 14	900	20	1450	2.3	2	300	250
03-02-01095		Sewage station No. 3	250	7	1450	1.75	2	200	150
03-02-01096		Sewage station No.6& No.9	450	7	1450	2.25	2	250	200
03-02-01097		Sewage station No.6& No.9	900	9	1450	2.25	1	300	250
03-02-01098		Sewage station No.16 &17	3000	12	980	2.45	6	500	500
03-02-01099		The 25 AQUA CU.*	1025	15	1480	6.2	7		350
03-02-01100	Thiqar	Area Sew. Station	500	10	970	5.1	4	250	200
03-02-01101	=	Nasseriah main sewage lifting stat.	1700	10	735	6.15	3	400	350
03-02-01102	=	Nasseriah main sewage lifting stat.	4000	10	585	4.6	1	600	550
03-02-01103	=	Nasseriah Sewa. T.P	250	20	970	7.2	2	250	200
03-02-01104	=	Nasseriah Sewa. T.P	1000	10	975	direct link (Noshaft)	3	300	250
03-02-01105	=	Nasseriah Sewa. T.P	500	10	970	direct link (Noshaft)	1	250	200
03-02-01106	=		1080	20	900		24		
03-02-01107	=		360	20	900		19		
03-02-01108	Thiqar		720	20	900		22		
03-02-01109	=		540	20	900		18		
03-02-01110	=	Sewage station	180	20	900		20		
03-02-01111	=	Sewage station	1800	20	900		2		
03-02-01112	Najaf	AL-Najaf sew. Project	1746	11.5	980		2		
03-02-01113		AL-Najaf sew. Project	90	12	960		3		
03-02-01114		AL-Najaf sew. Project	162	12.5	1450	motor direct coupled to the pump	2		
03-02-01115		New Water T.P	1630	12	950		6		
03-02-01116	AL-Muthana	ALQitar Boosting Station	100	34	2900		3		
03-02-01117	Nenewa	AL-Mosul (left bank)* w.t.p.	2200	40	900	13.39	4	500	500
03-02-01118	=	AL-Mosul (left bank)* w.t.p.	2200	40	998		4	500	500
03-02-01119	=	Dindan W.T.P	450	15			4		
03-02-01120	=	Left bank W.T.P	1600	10	1450		4		
03-02-01121			435	20	1500		3		
03-02-01122	Babil	Hilla sew. T.P	180	20	1500	motor direct coupled to the pump	2		
03-02-01123	=	Sewage station	4140	16	1500		3		
03-02-01124	Qaddisyia	Diwanya Sewage	432	18	1475		3	10	225
03-02-01125	=	Qaddisyia Sewage	325	14	970		1	225	150
03-02-01126	Salahdeen	Brawily Borehole	50	132	2900		7		

03-02-01127		Brawjly W.T.P	50	40	2900		2		
03-02-01128		Brawjly Borehole	50	132	2900		4		
		total					205		

(*) : mixflow
pump

**SECTION - 21 -
DIESEL GENERATOR FOR WATER AND SEWAGE PROJECTS COMPACT UNITS, ALL GOVERNOR**

Code	Rating KVA	KV	Qty.
03-02-01129	30	0.4	307
03-02-01130	75	0.4	545
03-02-01131	100	0.4	112
03-02-01132	150	0.4	60
03-02-01133	250	0.4	83
03-02-01134	400	0.4	54
03-02-01135	500	0.4	108
03-02-01136	650	0.4	31
03-02-01137	850	0.4	27
03-02-01138	1000	0.4	68 **
03-02-01139	1250	0.4	46 ***
03-02-01140	1650	11 *	5
03-02-01141	2000	11 *	9
03-02-01142	3500	11 *	10
		TOTAL	1465

* The speed of
generator sets 750
r.p.m .
** With
Synchronizing 8
No.
*** With
Synchronizing 10
No. + One off them
must be 11 kv

**Section - 22 -
Steel Reinforcement**

Code	Bar Size in millimeter	Qty. (ton)
03-02-01143	6	700
03-02-01144	8	3000
03-02-01145	10	20000
03-02-01146	12	25000
03-02-01147	16	15000
03-02-01148	18	15000
03-02-01149	20	1500
03-02-01150	22	1500
03-02-01151	25	10000
03-02-01152	Tie wire	1500
		TOTAL 93200

**SECTION 23
Cotton And Rubber Reinforced Hoses Of Different Size**

Code	Description	Qty.(Roll)
03-02-01153	1-hose pipe cotton and rubber manufacture reinforced by spiral wire. 75 mm diameter 10 m length complete with coupling and clamp on one side for discharge of preclarified water.(10 bar)	500
03-02-01154	2-Ditto but with size 100mm.	500

03-02-01155	3-Ditto but with size 160mm.	500
03-02-01156	4-Ditto but with size 200mm.	500
03-02-01157	5- hose pipe cotton and rubber manufacture complete with coupling and clamp on one side for discharge for waste water .size 100 mm length 10m (6 bar)	400
03-02-01158	6-Ditto but size 160 mm.	400
total		28000 ml

**Section -24 -
Wireless System for water supply scheme**

Code	Governorate name	Project name	
03-02-01159	Najaf	For Najaf /Kufa Water Supply Secheme	
03-02-01160	Basrah	For Basrah / W. S Secheme	
03-02-01161	Salah aldeen	New Tikrit	
03-02-01162	Salah aldeen	Old Tikrit	
03-02-01163	Salah aldeen	Al-Aoja	
03-02-01164	Salah aldeen	Al-Qadissia	
03-02-01165	Salah aldeen	Beji –Al-siniya	
03-02-01166	Salah aldeen	Balad	
03-02-01167	Salah aldeen	Al-Ishagi	
03-02-01168	Neniwa	Right Side	
03-02-01169	Neniwa	Tel Aafer	
03-02-01170	Neniwa	Al-Hamdaniya –Alsalamiya	
03-02-01171	Neniwa	Makhmor –Sultan abd-all	
03-02-01172	Tameem	Kirkuk water treatment plant	
03-02-01173	Diala	Baquba	
03-02-01174	Diala	Al-Khalis	
03-02-01175	Diala	Al-New Mogdadia	
03-02-01176	Diala	Khanakeen –monthria	
03-02-01177	Diala	Jelwla	
03-02-01178	Diala	Al-Sadiya	
03-02-01179	Baghdad	Al-Rashdiya	
03-02-01180	Baghdad	Al-Mahmoodiya	
03-02-01181	Baghdad	Al-Madain –Al-Nahrawan	
03-02-01182	Al-Anbar	West desert	
03-02-01183	Al-Anbar	Althirhar	
03-02-01184	Babil	New Hilla	
03-02-01185	Kerbala	Project 7 nissan	
03-02-01186	Kerbala	Ain AL-Tamer	
03-02-01187	Al-Qadissiya	Al-Diwaniya	
03-02-01188	Wasit	Al kut	
03-02-01189	Wasit	Al Asisiya	
03-02-01190	Wasit	Al Suwera	
03-02-01191	Al-Muthana	Al-Rumatha	
03-02-01192	Thiqar	Al-Nassiriya	
03-02-01193	Thiqar	Al-Shatra	
03-02-01194	Thiqar	Suq Al-Shuge	
03-02-01195	Messan	AL-Amara	

**SECTION 25
Crossing rivers pipes**

Code	Description	Qty/m
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	Ductile iron pipes Thrust resistance Joint (locked - Joint) complete with rubber rings as below :-		
03-02-01196	a- 1000 mm dia		3000
03-02-01197	b- 900 mm dia		3000
03-02-01198	c- 800 mm dia		3000
03-02-01199	d- 700 mm dia		3000
03-02-01200	e- 600 mm dia		5000
03-02-01201	f- 500 mm dia		5000
03-02-01202	g- 450 mm dia		5000
03-02-01203	h- 400 mm dia		5000
03-02-01204	i- 350 mm dia		5000
03-02-01205	j- 300 mm dia		5000
03-02-01206	k- 250 mm dia		5000
03-02-01207	l- 200 mm dia		5000
03-02-01208	m- 150 mm dia		5000
03-02-01209	n- 100 mm dia		5000
			62000

Total

**Section - 26 -
compact Unit**

Code	Governorate Name	Description	Qty
03-02-01210	All Gov.	Complete Compact Unit 200 cu.m/hr	200

**SECTION - 27 -
VALVE AND SEFTY VALVES FOR CHLORINE CYLINDER**

Code	Description	QTY
03-02-01211	Valves for cylinder 1 ton	3000
03-02-01212	Valves for cylinder 50 kg	3000
03-02-01213	Safaty valves	5000

Total 11000

**SECTION 28
G. R. P. Pipes**

Code	Description	Qty ml
	Supplying glass reinforced plastic pipe 6 bar for gravity sewers (G.R.P) pipes shall comply with B.S. 5480	
03-02-01214	1-(700)mm dia -with rubber rings	4000
03-02-01215	2- Ditto (800)mm dia.	3000
03-02-01216	3- Ditto (900)mm dia.	3000
03-02-01217	4- Ditto (1000)mm dia.	3000
03-02-01218	5- Ditto (1200)mm dia.	3000
03-02-01219	6- Ditto (1400)mm dia.	3000
03-02-01220	7- Ditto (1600)mm dia.	2000
03-02-01221	8- Ditto (1800)mm dia.	2000
03-02-01222	9- Ditto (2000)mm dia	2000

25000

Total

**SECTION 29
EXCAVATER**

Code	Description	Qty No.
03-02-01223	A- Backhoe loaders	120
03-02-01224	B-Wheel excavater	90
03-02-01225	C-Grawler excavater	45
Total		255

SECTION 30

Dumpers

Code	Description	QtyNo.
03-02-01226	- 1 ton capacity diesel engine , with spare parts	100

SECTION 31

Battries and battry charger

Code	Description	Qty No.
03-02-01227	Battries acid must be dry :-	2000
	60 A 10-12 cell	
	90 A 15 cell	
	135 A 20 cell	
	180 A 25 cell	2100
03-02-01228	Battries charger (380)V 3.ph, must be portable type and the speed of the charger must be low and high with indication lamp for control	30
Total		9530

SECTION 32

Tyers

All Tyres should be polyester (naylon) and steel

Code	Description	Qty No.
03-02-01229	Tyers :-	
	1- 1200 x 20 PR 18 with tube and auxelaries	2200
	2- 1100 x 20 PR 18 with tube and auxelaries	2000
	3- 1000 x 20 PR 16 with tube and auxelaries	500
	4- 900 x 20 PR 16 with tube and auxelaries	1000
	5- 750 x 16 PR 12 with tube and auxelaries	2000
	6- 700 x 16 PR 12 with tube and auxelaries	100
	7- 650 x 16 PR 12 with tube and auxelaries	200

8- 650 x 14 PR 8 with tube		2000
9- 185 x 14 PR 8 with tube		2000
10- 195 x 14 PR 8 with tube		1000
11- 700 x 15 PR 10 with tube and auxelaries		200
12- 600 x 8 PR 15 with tube and auxelaries		100
13- 600 x 10 PR 15 with tube and auxelaries		150
14- 1200 x 24 with tube and auxelaries		2200
15- 17.5 x 25 with tube and auxelaries		400
16- 900 x 20 Smooth pr 16 with tube and auxelaries		250
17- 1300 x 24 (agriculture type) with tube and auxelaries		600
18- 20.5 x 25 (agriculture type) with tube and auxelaries		400
19- 185 x 15 (agriculture type) with tube and auxelaries		200
20- 175 x 13 (agriculture type) with tube and auxelaries		1000
Total		18500

The face for tyers
must be tough and
slotted to itemes (1
, 2 , 3 , 4 , 12 , 13 ,
14 , 19)

SECTION 33 VEHICLES

Code	Description	Qty /No.
03-02-01230	Pick up (double cabinet) (1.5-2) ton	
	with spare parts	12
03-02-01231	Super ban cars	12
	Total	24

SECTION -34- Carbage collection vehicles

Code	Description	Qty/No.
03-02-01232	Carbage collection vehicles	300

SECTION -35- Carbage Containers Hook Loader trucks & carbage container

Code	Description	Qty / No.
03-02-01233	Carbage Containers Hook Loader trucks	100
03-02-01234	Carbage containers	500

**SECTION - 36 -
WATER TANKER**

Code No.	Description	Qty/No.
03-02-01235	16000 Litters drinking water tanker	1500
03-02-01236	10000 Litters Drinking water tanker	1200
03-02-01237	fire extinguisher vehicle with (6000 – 8000) litter water tanker	250
Total		2950

**SECTION - 37 -
Tractor with truck**

Code	Description	Qty/No.
03-02-01238	Tractor with truck4 ton	500

**SECTION - 38 -
Grader**

Code	Description	Qty/No.
03-02-01239	Grader	200

**SECTION -39-
BULLDOZER TRACTOR**

Code	Description	Qty/No.
03-02-01240	BULLDOZER TRACTOR	200

**SECTION -40-
PAVER FINISHER**

Code	Description	Qty/No.
03-02-01241	PAVER FINISHER	30

Section (41)

**Spare part for (Volvo , Caterpillar, Foun, Hino, Kawsaky
Toyota , sakai, honda, oldsmobile, chevrolet ,landgruser, Cars & Equipment
spare part of caterpillar equipment**

Code	Item.	p.No.	Des.	Qty./No.
03-02-01242	1-	1N4304	Head cylinder	20
	2-	3T 8706	Glow plus	60
	3-	4N 0360	Glow plug	60
	4-	4N 3181	Motor	10
	5-	4N 6116	Pump	10
	6-	4N 7692	Crank shift	10
	7-	4N6860	cartridge	20
	8-	5N8501	Head cylinder	20
	9-	6N9915	Valve	120
	10-	6N9916	Valve	120
	11-	7N0128	Oil cooler	20
	12-	7N0165	Oil cooler	20
	13-	7N0449	Nozzele	120
	14-	8N8220	Bearing	20
	15-	8N8222	Bearing	120
	16-	7N2177	Pump	10
	17-	7N7750	Cartridge	20
	18-	8N1188	Head cylinder	20
	19-	8N1831	Nozzele	120
	20-	8N3102	Piston	120

21-	8N3182	Piston	120
22-	8N5511	Cartridge	20
23-	8N7005	Nozzle	120
24-	8N8221	Bearing	120
25-	8N8225	Bearing	120
26-	8N8796	Nozzle	120
27-	2P1262	Guide	120
28-	7S9404	Ring	120
29-	6V2209	Kit casket	60
30-	1W1818	Valve	120
31-	1W1819	Valve	120
32-	1W6753	Compressor	10
33-		810498 Pump	10
34-	2P8889	Liner	120
35-	9S3068	Ring	120
36-	4W0788	Pump	120
37-	1U3953	Cartridge	20
38-	2P0484	Chamber	120
39-	3G7658	Cartridge	20
40-	8N8223	Bearing	20
41-	8N8226	Bearing	20
42-	8N8224	Bearing	25
43-	2W6091	Ring	120
44-	6V2971	Kit casket	60
45-	9S1059	Kit casket	60
46-	6N7527	Plunger	120
47-	5D9553	Cutting edge	120
48-	7N2834	Kit repair	60
49-	3T278	Motor	20
50-	1U330	Tip	120
51-	8S3970	Chamber	160
52-	6V292	Kit casket	60
53-	6V2972	Kit casket	60
54-	4W2448	Oil pump	20
55-	5S7232	Valve	120
56-	5S6452	Valve	120
57-	6N9294	Alternator	60
58-	5P9218	Kit casket	60
59-	5P9225	Kit casket	60
60-	5P9226	Kitcasket	60
61-	8N1984	Rod	120
62-	8N7924	Bearing	120
63-	8N7933	Bearing	120
64-	2P0661	Pump	20
65-	4N7977	Shaft	60
66-	4N7978	Shaft	50

Spare Part Of Volvo Cars

Code	Item.	p.No.	Des.	Qty./No.
03-02-01243	1-	275036	Cylinder. Liner Kit	300
	2-	275551	Gasket Kit cylinder head	180
	3-	275531	Complementar y kit engin over haul	100
	4-	275304	Piston ring Kit	300
	5-	467517	Oil pump	60
	6-	275570	Oil pump Kit	60
	7-	270100	Big end bearing Kit	420
	8-	270439	Main bearing Kit	490
	9-	270101	Big end bearing Kit	420

10-	270440	Main bearing Kit	490
11-	467915	Water pump	70
12-	275615	Water pump Kit	100
13-	423125	Pulley	50
14-	467466	Fule injection. pump	70
15-	243083	Fuel Feed pump	150
16-	240808	pump unit	100
17-	240423	Delivery valve	100
18-	243742	Delivery valve relainer	150
19-	76703	Hand pump	100
20-	238896	Nozzle	600
21-	467369	Turbo charge	50
22-	240340	Start motor	50
23-	240488	Solenoid switch	100
24-	240493-	Starter solenide	100
25-	1578140	Alternator	100
26-	244343	Diode plate	50
27-	244426	Carbon brush Kit	200
28-	244340	Rotor	70
29-	267143	Clutch	50
30-	267236	Clutch Disk	50
31-	1526047	Drive plate	50
32-	267156	Release. bearing	50
33-	1581204	Master cylinder	25
34-	273660	Repair Kit	100
35-	1526523	Clutch servo	30
36-	273447	Repair Kit	100
37-	232367	Centre bearing	150
38-	1587787	Hydraulic pump	100
39-	1695596	Plate	100
40-	1695592	Shaft	100
41-	1695594	Rotor Kit	100
42-	1695545	Rotor Kit	100
43-	1502201	Hub 24 "	100
44-	1588406	Screw	500
45-	362166	Nut	500
46-	1584340	Roller bearing	50
47-	184088	Roller bearing	50
48-	1587792	Seal ring	50
49-	1581604	Screw	500
50-	1504951	Relay	1000

Spare Part Of Fouen Cars

Code	Item.	p.No.	Des.	Qty./No.
03-02-01244	1-		Clutch Disk	30
	2-		Cover Assy – Clutch	30
	3-		Bearing	50
	4-		Clutch Water Pump	20

5-	Starter	20
6-	Alternator	20
7-	Clutch cover	20
	runing	
8-	Regulator	30
9-	Regulator	30
10-	Oil pump	15
11-	Nozzele	30
12-	Nozzele	30
	holder	
13-	Injection	10
	pump	
14-	Head cylinder	10
15-	Crank shift	10
16-	Fuel pump	30
17-	Feefd pump	50
18-	Radiator	20
19-	Radiator	20
20-	Universal joint	10
21-	Cross joint	30
22-	Main bearing	30
23-	Bearing set	30
	connection	
24-	Bearing for	20
	universal joint	
25-	Front glass	20
26-	Relay	50
27-	Relay	50
28-	Belt	60
29-	Impact	30
	absorb	
	resistance	
30-	Back right	100
	light	
31-	Back left light	100
32-	Hand sign	30
33-	Head lamp	100
	assy r.h.	
34-	Head lamp	100
	l.h.	
35-	Second front	100
	light r. h.	
36-	Second front	100
	light l.h.	
37-	Compressor	20
38-	Horen	50
39-	Horen	50
40-	Gauge	50
41-	Gauge	20
42-	Gauge	20
43-	Gauge	20
44-	Gauge	30
45-	Gauge	30
46-	Water pump	10
	l.f.	
47-	Side Wipper	200
48-	Middle	200
	wipper	
49-	Valve	200
50-	Vacume	15
51-	Silender	50
52-	Starter	20
53-	Alternator	20

54-	Side mirror	100
55-	Fuel filter	200
56-	Oil filter	100
57-	Bearing	50
58-	Plate	20
59-	Pully	20
60-	Circuler light	50
61-	Pully	100
62-	Pump	5
63-	Switch	50
64-	Switch	50
65-	Main switch	100
66-	Hydraulic plug	50
67-	Hydraulic plug	50
68-	Hydraulic plug	50
69-	Hydraulic plug	50
70-	Hydraulic plug	50
71-	Set Belt	50
72-	Cover for fuel tank	50
73-	Radiator	20
74-	Motor	10
75-	Hydraulic motor	50
76-	Valve	10
77-	Light	50
78-	Hydraulic hose	50
79-	Wire seclator	50
80-	Bush	50

A. Spare Part Of Hino Cars KB 422

Code	Item.	p.No.	Des.	Qty./No.
03-02-01245	1-		Cylinder head	270
	2-		Crank	88
	3-		Oil pump	50
	4-		Gasket	100
	5-		Compressor	20
	6-		Alternator	120
	7-		Startor	95
	8-		Ring Set	100
	9-		Bearing	180
	10-		Signal hand	30
	11-		Ring	60
	12-		Bearing	180
	13-		Vacum pump	170
	14-		Boostar	50
	15-		Injection. Pump	100
	16-		Element	1000
	17-		Front glass	30
	18-		Bush	310
	19-		Disc clutch	170
	20-		Cover assy -clutch	210
	21-		Cylinder clutch master	205

22-	Piston for cylinder clutch	50
23-	Bearing clutch	210
24-	Piston for engine	310
25-	Engine gasket over haul	200
26-	Nozzel	1000
27-	Feed pump	100
28-	Pump base plat	180
29-	Seal for vaccum pump	180
30-	Engine assy sub	70
31-	Engine assy short	35
32-	Water pump	60
33-	Impeller for water pump	50
34-	Cross joint	30
35-	Plate for universal joint	45
36-	Air valve	80
37-	Set of bush for com shaft	60
38-	Bush for connection rod	60
39-	Set of o-ring for cylinder bush	80
40-	Front glass	80

B. Spare Part Of Hino Cars ZM model 1981

ode	Item.	Des.	Qty./No.
03-02-01246	1-	Cylinder head	270
	2-	Crank	88
	3-	Oil pump	50
	4-	Gasket	100
	5-	Compressor	20
	6-	Alternator	120
	7-	Startor	95
	8-	Ring Set	100
	9-	Bearing	180
	10-	Signal hand	30
	11-	Ring	60
	12-	Bearing	180
	13-	Vacum pump	170
	14-	Boostar	50
	15-	Injection. Pump	100
	16-	Element	1000
	17-	Front glass	30
	18-	Bush	310
	19-	Disc clutch	170
	20-	Cover assy –clutch	210
	21-	Cylinder clutch master	205
	22-	Piston for cylinder clutch	50
	23-	Bearing clutch	210
	24-	Piston for engine	310

25-	Engine gasket over haul	200
26-	Nozzel	1000
27-	Feed pump	100
28-	Pump base plat	180
29-	Seal for vaccum pump	180
30-	Engine assy sub	70
31-	Engine assy short	35
32-	Water pump	60
33-	Impeller for water pump	50
34-	Cross joint	30
35-	Plate for universal joint	45
36-	Air valve	80
37-	Set of bush for com shaft	60

38-	Bush for connection rod	60
39-	Set of o-ring for cylinder bush	80
40-	Front glass	80

C. Spare Part Of Hino Cars KY model 1981

Code	Item.	Des.	Qty./No.
03-02-01247	1-	Cylinder head	270
	2-	Crank	88
	3-	Oil pump	50
	4-	Gasket	100
	5-	Compressor	20
	6-	Alternator	120
	7-	Startor	95
	8-	Ring Set	100
	9-	Bearing	180
	10-	Signal hand	30
	11-	Ring	60
	12-	Bearing	180
	13-	Vacum pump	170
	14-	Boostar	50
	15-	Injection. Pump	100
	16-	Element	1000
	17-	Front glass	30
	18-	Bush	310
	19-	Disc clutch	170
	20-	Cover assy -clutch	210
	21-	Cylinder clutch master	205
	22-	Piston for cylinder clutch	50
	23-	Bearing clutch	210
	24-	Piston for engine	310
	25-	Engine gasket over haul	200
	26-	Nozzel	1000
	27-	Feed pump	100
	28-	Pump base plat	180
	29-	Seal for vaccum pump	180
	30-	Engine assy sub	70
	31-	Engine assy short	35
	32-	Water pump	60
	33-	Impeller for water pump	50
	34-	Cross joint	30
	35-	Plate for universal joint	45
	36-	Air valve	80
	37-	Set of bush for com shaft	60
	38-	Bush for connection rod	60
	39-	Set of o-ring for cylinder bush	80
	40-	Front glass	80

Spare Part Of Kawsaky 70 , 80

Code	Item.	p.No.	Des.	Qty./No.
03-02-01248	1-	YZ 1136102190	Water pump	10

2-	YZ 1811000451	stator	10
3-	YZ 1812001780	Alter nator	10
4-	YZ 9822500720	Cutt out	30
5-	YZ 9812009513	Feed pump	60
6-	YZ 41201210	Kit	50
7-	L010	Kit	40
8-	YZ 1878181649	Oil cooler	20
9-	YZ 1217000841	Fan	10
10-	YZ 210609201	Kit	40
11-		822522 Pump	5
12-	YK1161071100	Pump	5
13-	YK 1189022105	Valve	100
14-	YZ 1125510030	Valve	100
15-	YZ 1125520030	Air compressor	55
16-	YZ 1191000621	Lever	10
17-	05C0151L000	Control	10
18-	05D0191L001	Cylinder	10
19-	53C0441L100	Cylinder	10
20-	53C0451L100	Valve	10
21-	YTU38	Transmisson	2
22-	RIF277T	Torque	5
23-	YKY88271X	Radiator	5
	YKY7071X		
	YRS		
	4078100000A		

Code		Spare parts for toyota cars		
03-02-01249	A	Item.	Des.	Qty./No.
			FOR SALOON CAR	
			(Super MS 122 Engin	
			5M)	
		1	Engin assembly	140
		2	Block assy.short	11400-43030 150
		3	Gasket kit,overhaul	84111-43021 156
		4	Gasket kit,valve grind	04112-43021 50
		5	Cylinder Head	11101-49305 156
		6	Bearing set Main STD	11702-45011 20
		7	Bearing set Main 0.25	30
		8	Bearing set Main 0.50	30
		9	Bearing set Main 0.75	30
		10	Bearing set Main 1.00	30
		11	Bearing set Con STD	30
		12	Bearing set Con 0.25	30
		13	Bearing set Con 0.50	30
		14	Bearing set Con 0.75	30
		15	Bearing set Con 1.00	30
		16	Piston set STD	10
		17	Piston set 0.50	20
		18	Piston set 0.75	20
		19	Piston set 1.00	20
		20	Ring set piston STD	30
		21	Ring set piston 0.50	30
		22	Ring set piston 0.75	30
		23	Ring set piston 1.00	30
		24	Crank shaft	10
		25	Cam shaft	131
		26	Gear- crank shaft	25
		27	Gear- cam shaft	25
		28	Valve ,intake (set)	30
		29	Valve , Exbaust (set)	30
		30	Gear ,tention	30
		31	Chain	30
		32	Gear, pump drive shaft	20
		33	Ten sioner ,chain	20
		34	Damper	30
		35	Damper	30

	36	Pump assy,oil	25
	37	Water pump	131
	38	Coupling assy, fluid	131
	39	Alternator	155
	40	Regulator	20
	41	Starter	151
	42	Clutch, starter	139
	43	Caburator assy,	145
	44	Cover assy,cluch	146
	45	Disc clutch	146
	46	Bearing clutch	146
	47	Cylind, master (clutch)	132
	48	Cylinder kit	132
	49	Cylinder clutch release	116
	50	Cylinder kit	116
	51	Transmission 5F,manual	140
	52	Bearing (Front Hub inner)	30
	53	Bearing (Front Hub outer)	30
	54	Hub, Frt wheel	10
	55	Pump assy,vane	155
	56	Gasket kit pwr/s	155
	57	Rod, Tie, Rh	50
	58	Rod, Tie, Lh	50
	59	Rod, Tie, Rh , Lh	139
	60	Arm ,steering idler	139
	61	Cylinder master , Brake	159
	62	Cylinder kit master,	159
	63	Carrier, differential	150
	64	Fuel pump	164
	65	Bearing (Rear axle shaft)	30
	66	radiator	180
B		Pick up(Engin 3y)	
		YN 68L- PRMD 5V	
		Trans/axle G52,G282	
	1	Engin partial	104
	2	Short block	104
	3	Gasket kit over haul	204
	4	Gasket kit ,valve drive	30
	5	Cylinder head	101
	6	Gasket cylinder head	50
	7	Gasket head cover	50
	8	Gauge oil level	10
	9	Bearing main STD	20
	10	Bearing main 0.25	20
	11	Bearing main 0.50	20
	12	Bearing main 0.75	20
	13	Bearing main 1.00	20
	14	Bearing Con Rod STD	20
	15	Bearing Con Rod 0.25	20
	16	Bearing Con Rod 0.50	20
	17	Bearing Con Rod 0.75	20
	18	Bearing Con Rod 1.00	20
	19	Piston w/pin STD	20
	20	Piston w/pin 0.50	20
	21	Piston w/pin 0.75	20
	22	Piston w/pin 1.00	20
	23	Ring set ,piston STD	40
	24	Ring set ,piston 0.50	40
	25	Ring set ,piston 0.75	40
	26	Ring set ,piston 1.00	40
	27	Rod connecting	20
	28	Crank shaft	10
	29	Pulley,crank	5

30	Cear, crank timing	25
31	Gear ,cam shift	25
32	Bearing set ,cam shaft	50
33	cam shaft	10
34	Valve, intake set	25
35	Valve , Exhaust,set	25
36	Lifter ,valve ,set	25
37	Chain,	30
38	tensioner	30
39	Damper, chain	30
40	Oil pump	30
41	Pump water	114
42	Cap radiator	50
43	Spark plug, set NGK	150
44	Coil , ignition ND	50
45	Cord set	50
46	Alternator, w/outside Regulator	134
47	Regulator	30
48	starter	134
49	Clutch , starter	25
50	carburator	103
51	Pump , fuel	149
52	Fuel filter	200
53	Cover clutch	138
54	Disc,clutch	138
55	Bearing clutch release	138
56	Master cylinder clutch	99
57	Cylin, kit, master cylinder	100
58	Cyl. release	99
59	Cylinder kit	100
60	Tranmission , 5f	79
61	Spider kit	50
62	Bearing (axle shaft)	50
63	Bearing , Frt, inner	50
64	Bearing Frt outer	50
65	End (Tie rod) RH	104
66	End (Tie rod) LH	104
67	Rod ,Tie, LH,RH	104
68	Rod ,steering relay	30
69	Master cylinder ,brake	167
70	Cyl. Kit(master cyl.)	100
71	Booster, brake	131
72	Ball joint upper	100
73	Ball joint Lwr RH	50
74	Ball joint Lwr LH	50
75	Absorber shock , Frt	100
76	Absorber shock Rear	100
77	Bush lwr arm	100
78	Bush upper arm	100
79	Carrier assy – differential	87
80	Radiator	118
C	Pick up Engin 22R	
	RN 85L- PRM55 V,	
	Trans /axle G52 , G292	
1	Engin partial	108
2	Short block	108
3	Gasket kit over haul	193
4	Gasket kit ,valve drive	30
5	Cylinder head	105
6	Gasket cylinder head	50
7	Gasket head cover	50
8	Gauge oil level	10
9	Bearing main STD	20
10	Bearing main 0.25	20

11	Bearing main 0.50	20
12	Bearing main 0.75	20
13	Bearing main 1.00	20
14	Bearing Con Rod STD	20
15	Bearing Con Rod 0.25	20
16	Bearing Con Rod 0.50	20
17	Bearing Con Rod 0.75	20
18	Bearing Con Rod 1.00	20
19	Piston w/pin STD	20
20	Piston w/pin 0.50	20
21	Piston w/pin 0.75	20
22	Piston w/pin 1.00	20
23	Ring set ,piston STD	40
24	Ring set ,piston 0.50	40
25	Ring set ,piston 0.75	40
26	Ring set ,piston 1.00	40
27	Rod connecting	20
28	Universal joint	108
29	Radiator	111
30	Crank shaft	10
31	Gear , crank shaft timing	25
32	Gear cam shaft	25
33	Cam shaft	10
34	Valve intake , set	25
35	Valve Exhaust set	25
36	Chain	30
37	Tensioner , chain	30
38	Dumper No.1	30
39	Dumper No.2	30
40	Oil pump	30
41	Cover, timing	10
42	Water pump	101
43	Distributor	115
44	Alternator 12V , 45-50 A	128
45	Regulator outside	25
46	Starter assy,	128
47	Carburator	118
48	Pump assy , fuel	165
49	Cover assy, clutch	153
50	Disc assy clutch	153
51	Bearing release, clutch	153
52	Carrier assy, differential	87
53	Transmission 5F	79
54	Absorber, shock , Frt	50
55	Absorber, shock , Rear	50
56	Ball joint upper	30
57	Ball joint Lwr RH	50
58	Ball joint Lwr LH	50
59	Booster brake	151

Spare parts for Sakai

Code	Item.	Des.	p.No	Type	Qty./No
03-02-01250	1	Push rod inle	912575-0790	DA120	60
	2	Fan asm	913660-2820	Da 120	5
	3	Connrop-brg.se	912271-1460	DA 640	60
	4	Bearing set –cen	912271-6080	6 BDIT	30
	5	Conn. Rob. Brg	912271- 1210	DA120	75
	6	Pin piston	912211-6040	6 BDIT	150
	7	Piston pin	912211 –0660	DA640	60
	8	Pin piston	912211-0650	DA120	75
	9	Bearing	911693 – 0350	6 BDIT	50
	10	Crank brg. Kit	911510-1360	DA120	25

11	Liner	911261 – 2880	SV90T	60
12	V- belt	113671 –1460	DA640	100
13	Pnnp assy	515750 –0010	6 BDIT	25
14	Switch assy	581151 – 0360	6 BDIT	25
15	Repair kit wate	587810 – 0980	6 BDIT	25
16	Armature	181121-0070	DA640	35
17	Mageneti switch	181151 – 0470	DA640	40
18	Generator	181200- 205- 0	DA640	80
19	Starter asm	181211- 0025	DA120	10
20	Rectifir assy	181219- 0330	DA640	25
21	= =	181219 –0210	DA120	10
22		187810-0902	DA120	10
23	Repair kit	187810- 1421	DA620 +DA120	100
24	= =	187810- 1638	DA620 +DA120	50
25	= =	187810-1636	SV 90 T	25
26	Cooler assy –oil	511280- 0080	6BD1T	10
27	Pnmp assy –oil	213100 – 0901	6BD1T	25
28	Liner cyl.	511261- 0130	DA640	90
29	Stortor assy	181211- 0310	DA640	70
30	Ring set piston	112121 – 0090	DA640	120
31	Rod ams – coun.	112230 – 0250	DA120	50
32	Pump assy	4700- 73000- 0	WM7708	5
33	Loeker assy	4700 – 76003-0	WM7708	10
34	Relay	4900- 52000- 0	TS7409	5
35	Relay assy	4900- 86000- 0	WM7708	10
36	Regulator	4902-27000- 0	DA120	10
37	Nead ams	111110-0230	6BDIT	5
38	Nead ams cyl.	111110-3451	DA640	10
39	= = =	111110-0290	DA640	10
40	Gasket head	111141-0831	DA640	50
41	= =	111141-0902	6BDIT	50
42	Cover assy	111170-9350	6BDIT	5
43	Packing	111367 –067	DA640- DA120	40
44	Bearing kit	111510- 0360	6BDIT	50
45	Piston s.t.d	112111-1221	DA640	60
46	= =	112111-1261	DA120	60
47	= =	112111-2401	6BDIT	200
48	Pump	4203-92000- 1	SV60T	10
49	Master syl.	4400-1500-0	TS7409	5
50	Repair lit	4400-1554-0	TS7409	25

51	Booster Assy	4400-16000-1	TS7409	5
52	Repair kit	4400-16061-0	TS7409	10
53	= =	4400-23008-0	TS7409	50
54	Radiator assy	4400-37000-0	TS7409	5
55	Master syl.	4400-67000-0	TS7409	10
56	Sylinder assy	4400-81010-0	TS7409	10
57	Bearing	4400-96000-0	740+WM7708	20
58	Plate assy	4401-15000-0	= =	20
59	Lever kit	4401-15010-1	=	20
60	Cleander assy	4401-46000-0	WM7708	3
61		4401 – 16000-0	TS7409 +=	50
62	Radiator	4401-56000-0	=	13
63	Rod ams conn	112230-0250	DA120	40
64	= = =	112230-0280	DA640	100
65	Crank shaft asm	112310-2310	DA120	5
66	= = =	112310-0940	DA640	10
67	= = =	112310-4070	6BDIT	5
68	Valve	112551 – 0240	=	60
69	Oil – pump	113100 – 0480	DA640	5
70	Water pump	113610 – 1851	0	25
71	= = assy	113610 – 3490	6BIT	10
72	Gasket	114145 – 0830	=	20
73	=	114400 – 0470	DA640	25
74	=	1-114400-0721	6BDIT	5
75	Gase ass – turb	114410-0030	DA640	5
76	Rotor ass – turb	1144450 – 0030	=	5
77	Pump asm – inj.	115600-0362	DA120	5
78	Pump assy –inj.	115600-8470	6BDIT	15
79	Printing pump assy	11561- 0010	6BDIT-DA120+DA640	20
80	Lement assy	121723 – 0192	DA640	10
81	Starter	181100-0432	DA120+DA640	30
82	=	181100-1910	6BDIT	25
83	Brush	181116 – 0430	=	100
84	Diff. Assy	4404 –88001-0	SV90 T	2
85	Redator assy	4404 –89000-1	=	5
86	= =	4404 –89001-1	SV91 T	20

87	Valve	4407 – 61001-5	=	30
88	Cooler – assy	4404 – 89009-0	=	20
89	Radiator assy	4407 – 82000-1	=	5
90	Canvas	4700 – 01000-0	TS 7409	50
91	=	4700 – 03000-0	WM7708	50
92	Pump assy	4700 –10000-2	TS7409	50
93	Packing	4700-10028-0	=	10
94	Canvas	4700-65000-0	SV90T	50
95	=	28150- 1320	TS740	20
96	Switch assy	28150-1050	=	25
97	Motor assy	28100-1090	=	25
98	Generator assy	27020 –1100	WM7708	25
99	Pump assy fuel	22560-1350	DM100	25
100	Plug – glow	982513-9282	DM100	60
101	Ring set	13011-1350	DM100	50
102	Bearing set –st	13201-1140	DM100	25
103	Piston s /s	13216-1120	DM100	65
104	Crank –shaft ass	13400-1650	DM100	5
105	Gear assyidler	13505-1020	DM100	5
106	Rod sub –assy	13708-1070	DM100	60
107	Pump – assy	16100-1420	DM100	5
108	Fun sup-assy	16306-1510	DM100	5
109	Plug heater	19110	DM100	120
110	Pump assy –fuel	22030-1070	DM100	5
111	Pump –priming	22509-1090	DM100	25
112	Bearing set –st-	11701-1170	DM100	25
113	Liner cyl. Sys.	11467-1440	DM100	120
114	Generator	982200-4851	DA120	20
115	Clow plug	982511-9940	DA640	120
116	Feed pump ass	9813500611	DA640	30
117	Injection	981200-09442	DA640	25
118	Piston	919161-0110	DA120	10
119	Air compressor	919100-0963	DA120	5
120	Screw	915345-0040	DA120	30
121	Seal ring	914149-6530	DA640	20
122	Gasket	915339-0560	DA120	15
123	Water outer	913711-3300	DA640	5
124	Gasket	914145-0530	DA120	60
125	Pump	4403-87000-0	SV25	10
126	Mission assy	0606-21001-0	WM7708	1
127	Mission assy	0759-21007-0	TS7409	1
128	Shawaclever assy	0759-21008-0	=	3
129	Shaft assy	0759-39002-0	=	3
130	Plate	1026-21185-1	WM7708	6
131	Shaft	1726-21008-0	=	1
132	Control level	2409-00270-0	=	5
133	Roller chain	2440-14070-1	TS7409	50
134	Roller chain	2440-16076-1	WM7708	15

135	V – belt	2447-02041- 0	=	25
136	V – belt	2447-12040- 0	SV90T	25
137	Roller bearing	2513-32213- 1	TS7409	10
138	Thermometer	2801-00100- 0	WM7708+ 4	25
139	Speed meter	2806-00050- 1	TS7409	10
140	Thermometer	2801-30100- 1	WM7708	80
141	Starting switch	2820-0002-1	SV91+SV 90	80
142	Starting switch	2820-0001-1	SV25	20
143	Starting switch	2820-0002-1	WM7708	20
144	Mirror	2874-00200- 1	WM7708	50
145	Pattery termina	2891-00016- 3	WM7708+ SV25+SV 90T	100
146	Bearing	3521-32001- 0	WM7708 + TS7409	15
147	Pump	4203-87000- 0		5
148	Eingine assy	4020-00000- 0	DA640	5
149	Water pump	16100-1161		5

Spare parts mercedes cars

Code
03-02-01251

A

Item.	p.No.	Des.	Qty./N.
		SALOON	
		300 sel	
		model 1989	
		chassie wdb	
		1260241	
		a378562	
		Engine	26
		assembluy	
		Transmission	24
		manuel	
		Carrier	24
		differential	
		Torque	29
		converter	
		Starter	31
		Alternator	31
		Cabrator	31
		assy	
		Couplen	30
		Universal joint	
		Fuel pump	31
		Cylinder	31
		master brake	
		Radiator	31
		Gasket kit	30
		over hual	
		Front glasses	31
		Nozzel	41
		Water pump	29

B

LORRY MARCEDS

Engine	26
assembluy	
Transmission	24
manuel	
Carrier	24
differential	
Torque	29
converter	
Starter	31
Alternator	31
Cabrator	31
assy	
Couplen	30
Universal joint	
Fuel pump	31
Cylinder	31
master brake	
Radiator	31
Gasket kit	30
over hual	
Front glasses	31
Nozzel	41
Water pump	29

Spare parts for Honda salon cars
(VIN- Km HVF 31 NPVU 390)
HYUNDAL GLS (VIN- KMHVF 31 NPSU 139)
ENGIN 1500 CC 50 HC

Code	Item.	Des.	P.no	Qty./No.
03-02-01252	1	Engin assy, - sub		76
	2	Engin assy - short		75
	3	Gasket kit over haul		76
	4	Gasket kit valve grind		50
	5	Sensor -crank shaft		30
	6	Switch, oil pressure		50
	7	Knock sensor		20
	8	Timing case, front		30
	9	Oil filter		1000
	10	Oil seal , front timing case		50
	11	Oil seal . rear engin		50
	12	Cylinder head		50
	13	Oil seal , cam shaft		50
	14	Sensor , hall		20
	15	Gasket- cyl. head		100
	16	Bearing set, main 0.25		20
	17	Bearing set, main 0.50		20
	18	Bearing set, main 0.75		20
	19	Bearing set, con 0.25		20
	20	Bearing set, con 0.50		20
	21	Bearing set, con 0.75		20
	22	Crank shaft		10
	23	Sprocket- crank shaft		25
	24	Pully – dumper		10
	25	Ring set- piston STD		30
	26	Ring set- piston 0.25		30
	27	Ring set- piston 0.50		30
	28	Ring set- piston 0.75		30
	29	Piston and pin /set STD		15
	30	Piston and pin /set 0.25		15
	31	Piston and pin /set 0.50		15

32	Piston and pin /set 0.75	15
33	Piston and pin /set 1.00	15
34	Plat -drive	50
35	Valve set exhauste	50
36	Valve set intake	50
37	Seal –valve stem\ set	50
38	Cam shaft	15
39	Sprocket –cam shaft	10
40	Belt –valve timing	500
41	Pump coolant	76
42	Motor –radiator coolant fan	150
43	Radiator	75
45	Filter air cleaner	300
46	Sensor – air flow	75
47	Pump – fuel	151
48	Filter – fuel	500
49	Injector – fuel /set	50
50	Sensor- throttle position	75
51	Switch ,throttle body idle	30
52	Spark plag (a) set	2000
53	Coil - ignition	151
54	Cable set – spark plug	250
55	Starter motor MTA	76
56	Starter motor ATA	25
57	Switch starter	50
58	Clutch –over running	50
59	Armature, starter	25
60	Holder – brush	50
61	Generator -assy	41
62	Bearing –Gen –Front	50
63	Rotor –Gen	20
64	Starter –Gen	30
65	Bearing –Gen -rear	50
66	Rectifire –Gen	50
67	Regulator	50
68	Disc –clutch	200
69	Cover assy,clutch	200
70	Bearing-clutch release	200
71	Fork -release	75
72	Cylinder –clutch master	76
73	Cylinder kit	500
74	Cylinder clutch release	76
75	Trans axle –manual	35
76	Trans axle-automatic	36
77	Cable shift	50
78	Torque converter	76
79	Seal kit trans/auto	50
80	Disc –front clutch	200
81	Disc - rear clutch	200
82	Band	50
83	Bearing – front wheel /hub	50
84	Hub –front wheel	50
85	Disc –front wheel	50
86	Ball joint	100
87	Shock absorber ,front	100
88	Shock absorber ,rear	100
89	Pump steering	41
90	End ,tie rod	100
91	Caliper ,RH ,brak	10
92	Caliper ,LH ,brak	10
93	Seal kit , caliper	200
94	Cylinder ,master brake	76

95	Seal kit , master	200
96	Booster ,brake	10
97	Lamp assy rear , LH	25
98	Lamp assy rear , RH	25
99	Head lamp assy LH	25
100	Head lamp assy RH	25
101	Control module, ATA	10
102	Computer assy, ECM engin	10
103	Map sensor	75
104	Relay , ECM control	50
105	Drive shaft ,LH,RH	127
106	Front glass	125

Spare parts for oldes mobil cars

Code	Item.	Des.	p.No.	Qty./No.
03-02-01253	1	Engin assy –sub		69
	2	Cylinder –block ,short		62
	3	Piston set ,STD		29
	4	Piston set ,0.50		29
	5	Ring set piston STD		54
	6	Ring set piston 0.50		54
	7	Bearing main ,set STD		25
	8	Bearing main ,set 0.25		25
	9	Bearing main ,set 0.50		25
	10	Bearing main ,set 0.75		25
	11	Bearing set , con STD		25
	12	Bearing set , con 0.25		25
	13	Bearing set , con 0.50		25
	14	Bearing set , con 0.75		25
	15	Crank shaft		10
	16	Sprocket , crank shaft		15
	17	Sprocket , cam shaft		15
	18	Damper ,chain		25
	19	Chain , timing		30
	20	Cam shaft		10
	21	Valve ,Ex set STD		25
	22	Valve ,In set ,STD		25
	23	Lifter ,hydro set		20
	24	Gasket-(head)		54
	25	Gasket kit –overhaul		93
	26	Gasket kit –valve grind		29
	27	Oil pump		25
	28	Tensinsor ,chain		25
	29	Mount ,engin front		50
	30	Mount , trans RR		50
	31`	Mount trans FR		50
	32	Head cyl inder		47
	33	Bushing –cam shaft		50
	34	Spark plug set		50
	35	ECM		56
	36	Coil –ignition		100
	37	Wire –HT set		80
	38	Module –ignition		114
	39	TPS sensor		67
	40	Map sensor		52
	41	I.A.C. motor		71
	42	Coolant temp sensor		52
	43	Crank sensor		60
	44	Relay –fuel pump		20
	45	Relay –coolant fant		20
	46	Relay-AIC		20
	47	alternator		80
	48	Starter motor		75
	49	Motor – coolant		73
	50	Fuel pump –electric		88

51	In line fuel filter	50
52	Injector –fuel set	80
53	Master –cylinder brake	15
54	Seal kit –master cyl.	100
55	Pump –power steering	36
56	Gear housing –powerls	35
57	Trans axle AIT	54
58	Torque convertor	74
59	Absorber – front	50
60	Shock absorber -rear	50
61	Insulator, front shock	50
62	Insulator, rear shock	50
63	Water pump	81
64	Siprentin belt	100
65	Belt tensioner	10
66	Front wheel hub with bearing	186
67	rear wheel hub with bearing	186
68	Front drive shaft LH	25
69	Front drive shaft RH	25
70	Radiator	69
71	AC compressor	10

Spare parts for chevrolet (G.M.C)

Code
03-02-01254

Item.	p.No.	Des.	Qty./No.
1-		Engine assembly	65
2-		Transmission manual	65
3-		Carrier differential	55
4-		Universal joint	81
5-		Starter	73
6-		Alternator	73
7-		Cabrator assy	75
8-		Cover assy , clutch	85
9-		Disc clutch	85
10-		Bearing (clutch release)	85
11-		Delco	75
12-		Fuel pump	93
13-		Pump assy ,vane	43
14-		Cylinder master brake	68
15-		Power brake	73
16-		Radiator	79
17-		Gasket kit ,overhaul	113
18-		Cylinder head	57
19-		Water pump	70
20-		Cross joint	141
21-		Cylinder master clutch with kit	128
22-		Cylinder master clutch with kit	128

Spare parts for Land cruiser				
Code	Item.	p.No.	Des.	Qty./No.
03-02-01255	1-		Engine assembly	65
	2-		Transmission manual	65
	3-		Carrier differential	55
	4-		Universal joint	81
	5-		Starter	73
	6-		Alternator	73
	7-		Cabrator assy	75
	8-		Cover assy , clutch	85
	9-		Disc clutch	85
	10-		Bearing (clutch release)	85
	11-		Delco	75
	12-		Fuel pump	93
	13-		Pump assy ,vane	43
	14-		Cylinder master brake	68
	15-		Power brake	73
	16-		Radiator	79
	17-		Gasket kit ,overhaul	113
	18-		Cylinder head	57
	19-		Water pump	70
	20-		Cross joint	141
	21-		Cylinder master clutch with kit	128
	22-		Cylinder master clutch with kit	128

Spare parts for EVA lory

Code	Item.	p.No.	Des.	Qty./No.
03-02-01256				L.S

Spare parts for WAZ LORY

Code	Item.	p.No.	Des.	Qty./No.
03-02-01257				L.S

SECTION(42)

Traffic Light Equipment

Code No.	Description		Qty /No.
03-02-01258	controlled of intersections by traffic light system		300 intersections
	each intersection include the fallowing item :		
	Item	Qty.	
	1. traffic light controller	1	
	2. signal head 3-aspect 300 mm	10	
	3. pole in 3.7m length	9	

4. pole with cantilever with arm of 5.5 m	1	
5. cable size 3x6 mm ²	100m	
6. cable size 5x1.5 mm ²	500m	
7. halogen lamp 10V/50W (phillips)	200	
8. lithium battery	4	
9. lenses 300mm	6	
10. transformers 220V-10V	4	
11. spare parts set for above controller	1 set	

SECTION 43

Lifting crane

Code	Description	Qty/No.
03-02-01259	Lifting crane two cabinnet diesel enging, 1100 x 20 tyers size , 2 No. of battries , 135 am 4No. jack with spare parts .	
	capacity 20 ton	60
	capacity 30 ton	60
	capacity 50 ton	20
	total	140

SECTION 44

Spare Part For Mosul Water Treatment Plants

Spare part for mosul (left side) w.t.p

Spare part for mosul (left side) w.t.p

Code		Item Description	Qty/No.
03-02-01260	1.1	ASEA contactor, EH 9-10, lec 158-1, Vdelta E 0660, AC3 220 , 380 V, lth=25A, SK 812 003 for electrical genenator 1250 K.V.A	2
03-02-01261	1.2	ASEA contactor, EH 6-22E, lec 337-1, Vdelta E 0660, AC11 110-220 , 380 V, lth=25A, SK 811 023 for electrical genenator 1250 K.V.A	2
03-02-01262	1.3	ASEA flag relay, 5615 453-D, N=11000, D=0, 132 mm, R=460 OHM., RxSF 1, RK 271-003-AD for electrical genenator 1250 K.V.A	4
03-02-01263	1.4	ASEA relay, RASA 4, RK861-001-BA, u1=u2, 110-120, V/220-240 V, 50-60 HZ., Df2 HZ. for electrical genenator 1250 K.V.A	4
03-02-01264	1.5	Spare parts for vertical cetrifugal pump, type HA 500/64-15, HALBERG registration No. PGG 14192/99-5, No. of relevant sectional drawing 127 5489-26-0104, Q=2200 m ³ /hr, H=40 m as per attached sheet. Supplier, HALBERG, Maschinen bau GmbH, Telex: 484833, SWE	
03-02-01265	1.5.1	Bearing centre sleeve, part No.(54.00).Dimension (TM 80) Material (C45 N)	8

03-02-01266	1.5.2	Bearing bush. part (54.50). Dimension (109/127x100). Material (Silicon-Carbid)		100
03-02-01267	1.5.3	Deflector. Part NO. (50.10). Dimension (00/146x16). Material (ULTRAMID)		4
03-02-01268	1.5.4	Impiller. Part NO. (23.00). Dimension (LA667x77). Material (1.4408)		8
03-02-01269	1.5.5	Shaft screw. Part NO.(90.42). Dimension (M10x20). Material (A4-70)		200
03-02-01270	1.5.6	Shaft sleeve. Part NO. (52.30).Dimension (91/109x100). Material (Silicon -Carbid)		150
03-02-01271	1.5.7	Shaft sleeve. Part NO. (52.40). Dimension (A86/95x170). Material (1.4021.05)		8

SECTION 45
UPVC Pipes & fittings
for maintenance of the networks

Code	Description	Qty
03-02-01272	Supplying U.P.V.C pipes (315) mm dia. of tyton-joint with rubber rings. 10 bar	250000 m.l
03-02-01273	Ditto but (280)mm. dia. 10 bar	500000 m.l
03-02-01274	Ditto but (225)mm. dia. 10 bar	1000000 m.l
03-02-01275	Ditto but (160)mm. dia. 10 bar	2000000 m.l
03-02-01276	Ditto but (110)mm. dia. 10 bar	3000000 m.l
03-02-01277	Ditto but (90)mm. dia. 10 bar	20000 m.l
03-02-01278	Supplying U.P.V.C pipes (400) mm dia. of tyton-joint with rubber rings. 6 bar	200000 m.l
03-02-01279	Holes drill machine for diameter 1/2", 3/4" ,1" to drill the upvc pipes complete with accessories	200 No.
03-02-01280	1- All socket tees complets with eubber rings. 10 bar for dia (315x315)mm	2000 No.
03-02-01281	2- Ditto for dia (315x280)mm	2000 No.
03-02-01282	3- Ditto for dia (315x225)mm	2000 No.
03-02-01283	4- Ditto for dia (315x160)mm	2000 No.
03-02-01284	5- Ditto for dia (315x110)mm	2000 No.
03-02-01285	6- Ditto for dia (280x280)mm	2000 No.

03-02-01286	7- Ditto for dia (280x225)mm			2000 No.
03-02-01287	8- Ditto for dia (280x160)mm			2000 No.
03-02-01288	9- Ditto for dia (280x110)mm			2000 No.
03-02-01289	10- Ditto for dia (225x225)mm			1000 No.
03-02-01290	11- Ditto for dia (225x160)mm			1000 No.
03-02-01291	12- Ditto for dia (225x110)mm			1000 No.
03-02-01292	13- Ditto for dia (225x90)mm			100 No.
03-02-01293	14- Ditto for dia (160x160)mm			1000 No.
03-02-01294	15- Ditto for dia (160x110)mm			1000 No.
03-02-01295	16- Ditto for dia (160x90)mm			100 No.
03-02-01296	17- Ditto for dia (110x110)mm			1000 No.
03-02-01297	18- Ditto for dia (110x90)mm			100 No.
03-02-01298	19- Ditto for dia (90x90)mm			50 No.
	Two end socket bend complete with rubber rings(10)bar as below:			
03-02-01299	1- 900 bend for 315 mm dia			150 No.
03-02-01300	2- 450 bend for 315 mm dia			150 No.
03-02-01301	3- 221/2 bend for 315 mm dia			100 No.
03-02-01302	4- 900 bend for 280mm dia			200 No.
03-02-01303	5- 450 bend for 280 mm dia			150 No.
03-02-01304	6- 221/2 bend for 280 mm dia			100 No.
03-02-01305	7-900 bend for 225 mm dia			1000 No.
03-02-01306	8- 450 bend for 225mm dia			1000 No.
03-02-01307	9- 221/2 bend for 225 mm dia			750 No.
03-02-01308	10-900 bend for 160 mm dia			1000 No.
03-02-01309	11- 450 bend for 160mm dia			1000 No.
03-02-01310	12-900 bend for 110 mm dia			2000 No.
03-02-01311	13- 450 bend for 110mm dia			1000 No.
03-02-01312	Supplying (1000) mm dia UPVC socket and spigat pipe with rubber joint,according to the requirements of DIN 8061, 8062,and 19532 for working pressare of 6 bar			56000 ml
03-02-01313	Ditto (900)mm dia			120000 ml
03-02-01314	Ditto (800)mm dia			220000 ml

03-02-01315	Ditto (700)mm dia			300000 ml
03-02-01316	Ditto (600)mm dia			400000 ml
03-02-01317	Ditto (500)mm dia			310000 ml
03-02-01318	Ditto (400)mm dia			220000 ml
03-02-01319	Ditto (300)mm dia			70000 ml
03-02-01320	Ditto (250)mm dia			81000 ml
03-02-01321	Ditto (200)mm dia			150000 ml
03-02-01322	Ditto (150)mm dia			30000 ml
03-02-01323	Ditto (100)mm dia			150000 ml
03-02-01324	Ditto (80)mm dia			1000 ml
03-02-01325	Ditto (50)mm dia			2000 ml
03-02-01326	Supplying (200 x 100) mm dia UPVC tee junction 76 bar			8000 No.
03-02-01327	Ditto (250 x 100)mm dia			5000 No
03-02-01328	Ditto (300 x 100)mm dia			1000 No
03-02-01329	Ditto (100 x 500)mm dia			500 No
03-02-01330	Ditto (100 x 600)mm dia			500 No
03-02-01331	Ditto (200 x 250)mm dia			1000 No.
03-02-01332	Ditto (500 x 400)mm dia			500 No
03-02-01333	Ditto (500 x 600)mm dia			500 No
03-02-01334	Stoppers (100) mm dia			50000 No
03-02-01335	Ditto (150)mm dia			25000 No
03-02-01336	Heavy duty covers manholes 550 mm dia			30000 No
03-02-01337	Ditto but (600 x 900) mm dia			20000 No
03-02-01338	Glvanized steel pipe (6m)and diameter (160)mm ventilating columns with the fittings up			5000 No
03-02-01339	Ditto but (200)mm diameter			3000 No
03-02-01340	UPVC tee janchon pipes (400 x 100)mm dia			1000 No
03-02-01341	Ditto (200 x 150)mm dia			4000 No
03-02-01342	Ditto (250 x 150)mm dia			10000 No
03-02-01343	Ditto (300 x 150)mm dia			3000 No
03-02-01344	Ditto (400 x 150)mm dia			3000 No
03-02-01345	Ditto (500 x 150)mm dia			3000 No.
03-02-01346	Ditto (600 x 150)mm dia			300 No
03-02-01347	Ditto (150 x 150)mm dia			4000 No

SECTION 46
FIRE EXTINGUISHER FOAM

Code	Description	Qty (litter)
03-02-01348	1- Using For Fire Fighting Type (A,B,C).fires	1000000

SECTION 47
EQUIPMENT FOR COMPRESSED AIR

Code	Description	Qty
03-02-01349	Filling compressed air apparatus:-	40
	1- Designed to fill (charge) breathing cylinders apparatus.	
	2- charging pressure should be no less than 200 bar.	
	3- the apparatus should be working by electric motor no less than 2700 rpm . (three phases).	
	4- equipped with moisture and dust filters .	
	5- equipped with pressure meters to check outer cylinder .	
03-02-01350	Automatic multipurpose filling station to fill all kind of free extinguishers :	40
	The unit must be complete with the following sections :-	
	1. Automatics dry powder filling unit sacs the powder from any container and fill directory in to the extinguishers without making dust .	
	- Working 1.5 Kw , 22CV 50HZ , filling capacity 30 extinguishers 12 Kg per hour .	
	Able to fill all kind of fire extinguisher with different capacities from 1kg up to 150 kg with different adaoters	
	2. CO2 high pressure pump to transfer CO2 from the main	
	cylinder to the fire extinguishers works with external cartridge .	
	- Delivery 8Kg per mm. maximum pressure 100bar , working 1.5Kw 220V 50Hz .	

Provided with pressure switch that automatically stops the pump when the right pressure is reached high -pressure safety valve.			
3. Air compressor 3Clit. Capacity , max working pressure 16 bar , delivers of air 150 lt. Per mm. .			
- Working 1,5 Kw , 220V 50Hz.			
4. Manual clamp to hold the fire extinguishers to be able to			
mount and dismount valves to make maintenance .			
- Pressure of piston operated by 600Kg compressed air .			
different shelves to adjust the base to the required high			
of the extinguishers needs to be required .			
- Safety door with lock and safety device , to release			
pressure when the door will be opened .			
5. Maine controller panel to controller all above machinery			
with safety overload and relay .			
6.CO2 cartridge filling head to refit many type of 002 cartridges in the market .			
- Feed directory from the above CO2 pump .			
Provided with adapters to be change according to the			
cartridge size .			
7. Electrical balances with the following characteristics .			
a- for fire extinguishers of 1 SC Kg load and 10 gr. Division			
b- for internal cartridge 30 Kg load and 10 gr. Division .			
Possibility to set the trace weights and red directly the net			
weight on the display			

	8. Hydrostatic test pump for hydraulic test of different kinds of cylinders from 10bar up to 250bar .	
	- Equipped with :- manometer to control the test pressure ,pressure reducer to calibrate the test pressure1 and interception valves to control the flow of the water .	
	- The pump is working by hydro-pneumatic system with the working pressure of 10bar in the air and 300bar in the water .	
	Many adapters Able to test Many kinds of different fire	
	extinguishers i.e. powder , CO2 , foam , halon1 Etc. .	
	9. The unit is supplied with complete set of hoses and adapters to connect many kind of fire extinguishers from the unit to the extinguisher itself.	

**SECTION 48
LAND CRUISER**

Code	Description	Qty/No.
03-02-01351	Land crusier with 4 doors & spare parts	2000
03-02-01352	Land crusier with 2 doors & spare parts	500
	TOTAL	2500

**SECTION 49
Fuel tanker**

Code	Description	Qty/No.
03-02-01353	Fuel tanker 16000 L	120
	Total	120

**SECTION 50
Command fire fighting vehicle**

Code	Description	Qty /No.
03-02-01354	Command fire fighting vehicle	100

**Section (51)
Road Marking Machines**

Code No.	Item	Description	Qty.
03-02-01355	1	Road marking machines (large size) complete and ready for operation .	15
03-02-01356	2	Road marking machines (middle size) complete and ready for operation .	15

**Section (52)
Traffic Safety Materials**

Code No.	Item	Description	Qty.
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03-02-01357	1	road studs (reflective pavement marker) size 10 x 10 x1.75 cm , both faces are reflective in the same color :		
		A. white color .		30000
		B. yellow color .		120000
03-02-01358	2	road studs (reflective pavement marker) size 10 x 10 x1.75 cm , one face in reflective for one directional viewing :		
		A. white color .		15000
		B. yellow color .		30000
03-02-01359	3	road studs (reflective pavement marker) size 22 x 10 x4.5 cm , both faces are reflective in the same color :		
		A. white color .		15000
		B. yellow color .		75000
03-02-01360	4	road studs (reflective pavement marker) size 22 x 10 x4.5 cm ,one face reflective :		
		A. white color .		7500
		B. yellow color .		30000
03-02-01361	5	conventional epoxy adhesive (one or tow - component) required to sticks and firmly to pavement of the above mentioned		700 Kg.
03-02-01362	6	Cones made of reflective material in two color		
		(red and white) used for safety in road operation :		
		A. cones with height of 70 cm .		1500
		B. cones with height of 70 cm .		1500

Section (53)

spare parts for existing traffic light controllers

Spare parts for traffic light controller type MPC/2408-16-24/futurit (Austria)

Code No.	item	Description	Qty.
03-02-01363	1	Processor card CA	60
	2	Input / output card ICO1	60
	3	Input / output card ICO2	45
	4	Data memory C100 , C210	45
	5	Triger pulse unit TPU , TPC	150
	6	Oscillator card CMOC	150
	7	Fault memory CMMC	90
	8	Logic card CMLC	60
	9	contractor KV	45
	10	contractor KR	45
	11	Lamp switch LSU	300
	12	control card program CCL	120
	13	Fuses F 6.3 A	1200
	14	Hand held terminal (HHTTY) for controller type FMTC	2

Spare Parts For Traffic Light Controller Type AD 520 / 16 Philips

Code No.	Item	Description	Qty.
03-02-01364	1	System control and interface unite SCIU (code no. 9586-127-08100)	10
	2	Processor board PB80 (9586-141-88010)	20
	3	Conflict monitor unit CMU (9586-127-00310)	16
	4	Flasher unit 2F(9586-952-02100)	12
	5	Flash transfer unit FTUMK2 (9586-126-01750)	8
	6	Power supply unit 1823-5/5/24 PSU - 5/5/24(9586-912-02010)	20
	7	Transformer unit 1829-9 TR9 (9586-912-01010)	4
	8	Transformer unit 1830-9 TRU(9586-912-01210)	6

Spare Parts For Traffic Light Controller Type AD 570 /16 Philips (Holland)

Code No.	Item	Description	Qty.
03-02-01365	1	System control and diagnostics SCD (code no. 9586-129-01100)	12
	2	Processor road PB80-2 (9586-141-88200)	20
	3	Aspect monitoring and diagnostics 8 AMDS (9586-129-00100)	20
	4	Presence detector 86 AA205 (9584-813-09710)	6
	5	Power supply unit 5 and 5V PSU 5/5/0.3 (9586-129-04100)	20
	6	Power supply unit 8V PE 1806/20 (9586-912-02211)	16
	7	Power supply unit 5V PE 1112/10(9415-011-12011)	20
	8	Power supply unit 24V PE 1114/01 (9415-011-14011)	20
	9	Input/Output timer /RAM board 10TR (9586-127-24100)	12
	10	Detector power supply DPS24V	8
	11	Filter Z11	8
	12	Band 1 T Roll ¾	80
	13	Band 1 T Buckles ¾	2500
	14	Band 1 T Tool	10
	15	Hand held teltype (HHTTY)	5

Section - 54

**Spareparts For Road Marking
Machine Type (Zindel Universal - 21)**

Code No.	Item	Description	Qty.
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03-02-01366	1	Bulb set cp1. With bilux	50
	2	Bulb set f. working lamps	50
	3	Bulb set f. beacon lamps	50
	4	Glass f. beacon lamps	50
	5	Fuses (8, 16, 25A)	2000
	6	Electric control switch	10
	7	Head lamp glass , left	50
	8	Head lamp glass , right	50
	9	Blinker glass left	50
	10	Blinker glass right	50
	11	Blinker CPI. left	30
	12	Blinker CPI. Right	30
	13	Rear lamp CPI. left	30
	14	Rear lamp CPI. Right	30
	15	Wiper balde	100
	16	Wiper arm	20
	17	Rear view mirror	100
	18	Tank cover	300
	19	Inter come system	50
	20	carrier wheel CPI	200
	21	Type f. suoot	50
	22	Wheel (Aiming device)	50
	23	Type f. support wheel	200
	24	(Aiming device)	30
	25	Type for mercedes	30
	26	Wiper motor .	50
	27	Support wheel CPI. (Aiming device) .	30
	28	Container f. brake fluid	80
	29	Main brake cylinder .	80
	30	Differential gear f. rear axle .	80
	31	Exterior front wheel	80
	32	Bearing	80
	33	Speedo meter cable .	20
	34	Ignition switch	40
	35	Air filter insert	500
	36	Oil filter insert .	500
	37	fuel pump .	50
	38	Water pump .	50
	39	Carburetor	50
	40	Voltage regulator .	30
	41	Generator .	50
	42	Radiator Assy .	30
	43	Starter .	50
	44	distributor CPI.	100
	45	Conact set .	400
	46	Ignition plug	2000
	47	Gasket F. cylinder head	30
	48	Engine gasket set	30
	49	Muffler CPI. (silecer + pipe)	50
	50	Oil pan gasket	100
	51	Liquid clutch cpl (hydro-trawson)	30
	52	Oil filter F. autom	500
	53	Diaphragm F. hot air .	300
	54	Electrical main jet	100
	55	Air regulator	50
	56	Ignition plug V W	2000
	57	Contact set V W .	40
	58	Distributor V W .	50
	59	Distributor cap V W .	150
	60	Carburettor V W .	50

61	Starter V W .	50
62	Fuel pump V W .	50
63	Generator V W .	30
64	Ignition switch V W .	100
65	Ignition coil V W .	50
66	V-belt V W .	100
67	Pulley V W .	20
68	Oil filter cap V W	100
69	Fuel tank cap V W .	100
70	Air filter compressor	200
71	Paint tank / stirrer .	300
72	Paint tank / gasket	300
73	tank exit gasket	150
74	Gasket for manhole	150
75	Gasket set for stirrer	50
76	Free wheel	30
77	Pneumatic cylinder for stirrer	60
78	Manometer	60
79	Safety valve	100
80	Paint cock	200
81	M of tecalan hose , pu-4	200
82	Sleeve nut F. tecalan hose	200
83	3-path cock	30
84	Main paint hose	40
85	Pressure regulator	50
86	Hand switch for spray gun	100
87	Repair set for pressure regulator	100
88	Signal lamp 12 v/125 w .	200
89	Fuses	2000
90	Manometer	200
91	Quick coupling	150
92	Magnetic valve	100
93	Repair sets for Magnetic valve .	100
94	Magnetic coil	1560
95	Meter cv-tube 12mm dia .	50
96	Back pressure valve	50
97	Meter tecalan hose 4mm dia	100
98	sets of cutting rings , 12mm solvent tank	200
99	Gasket for solvent tank .	150
100	Safety valve ¼ .	50
101	Solvent .	50

Hand Spray Gun :

Code No.	Item	Description	Qty.
03-02-01367	102		
	103	Hand spray gun cpl with paint peaker .	200
	104	Air head	150
	105	Paint nozzle	150
	106	Needle packing	300
	107	Valve spring	300
	108	Packing	300
	109	Valve spring	150
	110	Needle spring	150
	111	Paint needle	150
	112	Counter screw	50

	113	Valve cone	50
	114	Needle packing	300

Hoses and connections :

Code No.	Item	Description	Qty.
03-02-01368	114	Set of paint hoses , cpl .	200
	115	Set of atomizing air hoses , cpl .	200
	116	Set of control air paint hoses , cpl .	200
	117	Distributor	100

Marking Head :

Code No.	Item	Description	Qty.
03-02-01369	118	Spray gun zsepl. With control cylinder .	100
	119	Ring nut	150
	120	Paint nozzle	200
	121	Orifice	200
	122	Air nozzle (G.77) .	300
	123	Paint needle 7 dia .	300
	124	Teflon valve	300
	125	O-Ring	600
	126	Valve sleeve	600
	127	Valve spring	300
	128	Needle spring	300
	129	Air connection	150
	129	Needle screw plug	200
	130	Plug	200
	131	Adjuster nut	200
	132	Nut	200
	133	O-Ring	600
	134	O-Ring	600
	135	Needle protection	600
	136	O-Ring	600
	137	Needle packing	600
	138	Set of standard part	10

**SECTION 55
Rescue vehicle (van)**

Code	Description	Qty
03-02-01370	Rescue vehicl (van)	200

**Section (56)
Compacting Roller (Steel- Steel Roller)**

Code No.	Description	Qty.
03-02-01371	Compacting Roiler (Steel- Steel Roller)	90

**Section (57)
Tyre-Steel Roller Compactor**

Code No.	Description	Qty.
03-02-01372	Tyre-Steel Roller Compactor	90

**Section (58)
Pneumatic-Tyred Roller**

Code No.	Description	Qty.
03-02-01373	Pneumatic-Tyred Roller	90

**Section (59)
Foot Sheep Vibratory Roller**

Code No.	Description	Qty.
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03-02-01374	Foot Sheep Vibratory Roller	90
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SECTION 60
Machine for removing asphalt

Code	Description	Qty
03-02-01375	Machine for removing asphalt	15

SECTION 61
Ductile Iron pipes & fittings

Code	Description	Qty
03-02-01376	Supplying (1200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the international standard (ISO - 2531) .	50000ml
03-02-01377	Ditto (1000) mm dia.	50000ml
03-02-01378	Ditto (900) mm dia.	50000ml
03-02-01379	Ditto (800) mm dia.	100000 KM
03-02-01380	Ductile iron double flanged bend with flanged socket and spigot a- 1200 mm dia - bend 900 b- 1000 mm dia - bend 900 c- 900 mm dia - bend 900 d- 800 mm dia body - bend 900	500 No. 500 No. 500 No. 850 No.
03-02-01381	- Ductile iron express double socket bends complete with rubber rings and stainless steel bolts /nuts with washers :- A- 1200 mm dia a.1- bend 450 a.2- bend 221/20 B- 1000 mm dia b.1- bend 450 b.2- bend 221/20 C- 900 mm dia c.1- bend 450 c.2- bend 221/20	500 No. 500 No. 500 No. 500 No. 500 No. 500 No.
03-02-01382	Ductile Iron all flanged tee complete as per specified A- 1200 mm dia . body a.1-1200 mm dia . branch a.2-1000 mm dia . branch a.3-900 mm dia . branch a.4-800 mm dia . branch B- 1000 mm dia . body	100 No. 100 No. 100 No. 100 No.

03-02-01383	b.1-1000 mm dia . branch	100 No.
	b.2-900 mm dia . branch	100 No.
	b.3-800 mm dia . branch	100 No.
	C- 900 mm dia . body	
	c.1-900 mm dia . branch	100 No.
	c.2-800 mm dia . branch	100 No.
	D- 800 mm dia . body	
	d.1- 800 mm dia . branch	100 No.
	d.2- 700 mm dia . branch	100 No.
	d.3- 600 mm dia . branch	100 No.
	d.4- 500 mm dia . branch	100 No.
	- Ductile iron double socket (express) tapers with rubber rings and stainless steel bolts /nuts with washers :-	
03-02-01384	a- (1200 x 1000)mm dia	100 No.
	b- (1000 x 900)mm dia	100 No.
	c- (1000 x 800)mm dia	100 No.
	d- (900 x 800)mm dia	100 No.
	e- (800 x 700)mm dia	50 No.
	f- (800 x 600)mm dia	50 No.
	Supplying (600) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the international standard (ISO - 2531) .	150000 m.l
03-02-01385	Ditto (500) mm dia.	270000
03-02-01386	Ditto (450) mm dia.	100000
03-02-01387	Ditto (400) mm dia.	200000
03-02-01388	Ditto (350) mm dia.	200000
03-02-01389	Ditto (300) mm dia.	300000
03-02-01390	Ditto (250) mm dia.	200000
03-02-01391	Ditto (200) mm dia.	200000
03-02-01392	Ductile Iron double flanged beds with flanged socket express and spigot A- 600 mm dia - bend 900 B- 500 mm dia - bend 900 C- 450 mm dia - bend 900 D- 400 mm dia - bend 900 E- 350 mm dia - bend 900	3000 No. 3000 No 3000 No 3000 No 3000 No

03-02-01393	- Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts with washers :-	
	A- 600 mm dia	
	a.1- bend 450	1500 No
	a.2- bend 221/20	500 No
	B- 500 mm dia	
	b.1- bend 450	2700 No
	b.2- bend 221/20	700 No
	C- 450 mm dia	
	c.1- bend 450	1000 No
	c.2- bend 221/20	500 No
	D- 400 mm dia	
	d.1- bend 450	1000 No
	d.2- bend 221/20	500 No
	E- 350 mm dia	
	e.1- bend 450	1000 No
	e.2- bend 221/20	500 No
	F- 300 mm dia	
	f.1- bend 900	1000 No
	f.2- bend 450	1000 No
	f.3- bend 221/20	500 No
03-02-01394	G- 250 mm dia	
	g.1- bend 900	1700 No
	g.2- bend 450	1700 No
	g.3- bend 221/20	1700 No
	- Ductile iron double socket (express) tapers complete with rubber rings and stainless steel bolts /nuts with washers :-	
	a- (600 x 500)mm dia	500 No.
	b- (600 x 450)mm dia	500 No.
	c- (600 x 400)mm dia	500 No.
	d- (500 x 450)mm dia	700 No.
	e- (500 x 400)mm dia	700 No.
	f- (500 x 350)mm dia	700 No.
	g- (450 x 400)mm dia	500 No.
	h- (450 x 350)mm dia	500 No.
	I- (450 x 300)mm dia	500 No.
	j- (400 x 350)mm dia	500 No.
	k- (400 x 300)mm dia	500 No.
	l- (400 x 250)mm dia	500 No.
	m- (350 x 300)mm dia	500 No.
	n- (350 x 250)mm dia	500 No.
	o- (350 x 200)mm dia	500 No.
	p- (250 x 200)mm dia	700 No.
	w- (250 x 150)mm dia	700 No.
03-02-01395	y- (200 x 150)mm dia	700 No.
	Ductile Iron all flanged tee complete with flanged socket and spigot	
	A- 600 mm dia . body	
	a.1-600 mm dia . branch	500 No.
	a.2-500 mm dia . branch	500 No.
	a.3-450 mm dia . branch	500 No.

a.4-400 mm dia . branch	500 No.
a.5-350 mm dia . branch	500 No.
a.6-300 mm dia . branch	500 No.
a.7-250 mm dia . branch	500 No.
a.8- 200 mm dia . branch	500 No.
B- 500 mm dia . body	
b.1-500 mm dia . branch	1000 No.
b.2-450 mm dia . branch	1000 No.
b.3-400 mm dia . branch	1000 No.
b.4- 350 mm dia . branch	1000 No.
b.5- 300 mm dia . branch	1000 No.
b.6- 250 mm dia . branch	1000 No.
b.7- 200 mm dia . branch	1000 No.
C- 450 mm dia . body	
c.1-450 mm dia . branch	500 No.
c.2-400 mm dia . branch	500 No.
c.3- 350 mm dia . branch	500 No.
c.4- 300 mm dia . branch	500 No.
c.5- 250 mm dia . branch	500 No.
c.6- 200 mm dia . branch	500 No.
D- 400 mm dia . body	
d.1- 400 mm dia . branch	500 No.
d.2- 350 mm dia . branch	500 No.
d.3- 300 mm dia . branch	500 No.
d.4- 250 mm dia . branch	500 No.
d.5- 200 mm dia . branch	500 No.
E- 350 mm dia . body	
e.1- 350 mm dia . branch	500 No.
e.2- 300 mm dia . branch	500 No.
e.3- 250 mm dia . branch	500 No.
e.4- 200 mm dia . branch	500 No.
F- 300 mm dia . body	
f.1- 300 mm dia . branch	500 No.

03-02-01396	f.2- 250 mm dia . branch	500 No.
	f.3- 200 mm dia . branch	500 No.
	G- 250 mm dia . body	
	g.1- 250 mm dia . branch	500 No.
	g.2- 200 mm dia . branch	500 No.
	Ductile Iron flanged branch on double socket express tee complete with rubber rings and stainless steel bolts / nuts with wassher :	
	A- 600 mm dia . body	
	a.1-100 mm dia . branch	500 No.
	B- 500 mm dia . body	
	b.1-100 mm dia . branch	1000 No.
	b.2-150 mm dia . branch	1000 No.
	C- 450 mm dia . body	
	c.1-100 mm dia . branch	1000 No.
	c.2-150 mm dia . branch	1000 No.
	D- 400 mm dia . body	
	d.1- 80 mm dia . branch	500 No.
	d.2- 100 mm dia . branch	1000 No.
	d.3- 150 mm dia . branch	1000 No.
	E- 350 mm dia . body	
	e.1- 80 mm dia . branch	200 No.
	e.2- 100 mm dia . branch	1000 No.
	e.3- 150 mm dia . branch	1000 No.
	F- 300 mm dia . body	
	f.1- 80 mm dia . branch	200 No.
	f.2- 100 mm dia . branch	2000 No.
	f.3- 150 mm dia . branch	2000 No.
	G- 250 mm dia . body	
	g.1- 80 mm dia . branch	200 No.
	g.2- 100 mm dia . branch	1700 No.
	g.3- 150 mm dia . branch	1700 No.
	H- 200 mm dia. body	

03-02-01397	h. 1- 80 mm dia . branch	200 No.
	h. 2- 100 mm dia . branch	1700 No.
	h. 3- 150 mm dia . branch	1700 No.
	Supplying (200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the internat:onal standard (ISO - 2531) .	500000 ml
	Ditto (150) mm dia.	200000
	Ditto (100) mm dia.	700000
	Ductile Iron all flanged tee complete with flanged socket and spigotas below : A- 200 mm dia . body	
	200 mm dia . branch	1000 No.
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
03-02-01398	B- 150 mm dia . body	
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
	C- 100 mm dia . body	
	100 mm dia . branch	1000 No.
	Ductile Iron flanged branch on double socket express tee complete with rubber rings and stainless steel bolts / nuts with wassher :	
	A- 200 mm dia . body	
	80 mm dia . branch	200 No.
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
	200 mm dia . branch	1000 No.
	B- 150 mm dia . body	
	80 mm dia . branch	100 No.
	100 mm dia . branch	500 No.
	150 mm dia . branch	500 No.
	C- 100 mm dia . body	
	80 mm dia . branch	100 No.
	100 mm dia . branch	500 No.

03-02-01399	- Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts and washers :-	
	A- 600 mm dia	
	bend 900	1500 No
	bend 450	1500 No
	bend 221/20	500 No
	B- 500 mm dia	
	bend 900	1500 No
	bend 450	1500 No
	bend 221/20	500 No
	C- 450 mm dia	
	bend 900	2000 No
	bend 450	1500 No
03-02-013400	- Ductile iron double socket (express) tapers complete with rubber rings and stainless steel bolts with nuts and washers :-	
	a- (200 x 150)mm dia	300 No.
	b- (200 x 100)mm dia	300 No.
	c- (150 x 100)mm dia	300 No.
	d- (100 x 80)mm dia	300 No.

SECTION 62
Labratory mobile

Code	Description	Qty
03-02-01401	Labratory mobile	20

SECTION - 63 -
STARTERS

Starters Quantity as follow (Rating) in Amper with type

Code	Starters	Rating	Qty.
	Type	(A)	
03-02-01402	S-D	500	120
03-02-01403	S-D	400	80
03-02-01404	S-D	350	100
03-02-01405	S-D	320	110
03-02-01406	S-D	300	90
03-02-01407	S-D	250	150
03-02-01408	S-D	220	90
03-02-01409	S-D	200	104
03-02-01410	S-D	180	180
03-02-01411	S-D	160	90
03-02-01412	S-D	140	120
03-02-01413	S-D	120	127
03-02-01414	S-D	110	115
03-02-01415	S-D	100	120
03-02-01416	S-D	90	150
03-02-01417	S-D	80	70
03-02-01418	S-D	75	120
03-02-01419	S-D	60	200
03-02-01420	S-D	50	95
03-02-01421	S-D	45	255
03-02-01422	S-D	30	290
03-02-01423	S-D	22	350
03-02-01424	S-D	15	410
03-02-01425	S-D	11	180
03-02-01426	DOL	8	160
03-02-01427	DOL	6	260
03-02-01428	S-R (5 STAGE) WITH IMPEDANCE	1100	10

03-02-01429	S-R (5 STAGE) WITH IMPEDANCE	1300	2
03-02-01430	S-D	1000	2
	TOTAL		4150

**SECTION - 64 -
A-CABLES**

High tension
cables , low
tension cables
and control
cables according
to the
specification and
quantity below :-

Code	Cable size (mm2)	Length (m.l.)
03-02-01431	2 * 1.5	8500
03-02-01432	4 * 1.5	5500
03-02-01433	4 * 2.5	23500
03-02-01434	4 * 4	20 000
03-02-01435	4 * 6	34000
03-02-01436	4 * 10	27000
03-02-01437	4 * 16	23000
03-02-01438	3 * 25 + 16	16000
03-02-01439	3 * 35 + 16	26000
03-02-01440	3 * 50 + 25	20000
03-02-01441	3 * 70 + 35	13000
03-02-01442	3 * 95 + 50	14000
03-02-01443	3 * 120 + 40	10000
03-02-01444	3 * 150 + 70	10000
03-02-01445	3 * 185 + 70	4000
03-02-01446	3 * 240 + 120	14000
03-02-01447	3 * 300 +150	12000
03-02-01448	1* 300	8000
03-02-01449	1* 400	8000
03-02-01450	1* 500	8000
03-02-01451	3 * 150 H.T (11)KV	2000
TOTAL		306500

B:- Control

Cables

Code	Cable size (mm2)	Length (m.l.)
03-02-01452	7 * 1.5	1000
03-02-01453	27 * 1.5	1200
03-02-01454	50* 1.5	1100
TOTAL		3300

Fuses

Code	Gov. Name	Project Name	Rating (A)	Type	Qty
03-02-01455	Thiqar	Nassseria sewage	10	bottel	140
03-02-01456			15	bottel	145
03-02-01457			20	bottel	140
03-02-01458			25	bottel	140
03-02-01459			50	bottel	140
03-02-01460			15	catriadge	140
03-02-01461			20	catriadge	145
03-02-01462			25	catriadge	150
03-02-01463			45	catriadge	145
03-02-01464			50	catriadge	150
03-02-01465			100	catriadge	140
03-02-01466			250	catriadge	150
03-02-01467		Al-Iskan Sewage	5	bottel	130
03-02-01468			10	bottel	140
03-02-01469			15	bottel	145
03-02-01470			20	bottel	140
03-02-01471			25	bottel	150

03-02-01472			50	bottel	150
03-02-01473			15	catriadge	145
03-02-01474			20	catriadge	150
03-02-01475			25	catriadge	145
03-02-01476			45	catriadge	150
03-02-01477			50	catriadge	150
03-02-01478			100	catriadge	150
03-02-01479			250	catriadge	150
03-02-01480			400	catriadge	150
03-02-01481			500	catriadge	145
03-02-01482			500	bottel	150
03-02-01483			400	bottel	150
03-02-01484			300	bottel	150
03-02-01485	Baghdad		100	catriadge	100
03-02-01486			160	catriadge	100
03-02-01487			200	catriadge	100
03-02-01488	Qadisyia		500	catriadge	100
03-02-01489			400	catriadge	150
03-02-01490			200	catriadge	300
TOTAL					5245

terminal (Lug)

Code	Size (mm)	Qty
03-02-01491	10	1000
	16	1000
	25	1000
	35	1000
	50	1000
	70	1000
	95	1000
	120	1000
	150	1000
	185	1000
	200	1000
	240	1000
	300	1500
	400	1500
	500	1500
	630	1500
TOTAL		18000

**section - 65-
Laboratory testing chemical material & equipment**

Code	Description	Qty
03-02-01492	Basket , round with handle , plastic coated wire, 180 mm diameter x 160mm high	50
03-02-01493	Bottle , flat sides , with aluminum screw cap , capacity ~ 200ml	500
03-02-01494	Bottle , Mc cartney , capacity 28 ml	200
03-02-01495	Diphram pump for gases and liquids with staples mechanical speed adjustment , to deliver air approx 300 -1200 ml/min	2
03-02-01496	Filter paper , 150 mm dia , whatmen 42	200 packs
03-02-01497	Kohlransch volumetric flask with widened neck .volume 50 ml	200

03-02-01498	Laboratory conductivity meter range 0.0 to 10000 ms	30
03-02-01499	Conductivity cell for above meter , k >= 1	60
03-02-01500	Laboratory ph meter , accuracy + 0.01 ph	60
03-02-01501	Combination electrode for above ph -meter	100
03-02-01502	Petri dish sterilizing box 175 x 120 mm dia stainless steel	50
03-02-01503	Silicon grease , low & medium viscosity	20 tubes each
03-02-01504	Pipette sterilizing box , universal 65 mm dia for storage & sterilizing of pipette up to 420 mm long	50
03-02-01505	Transformer, voltage output 1-12v in variable steps(including 3,4,5,6, 9 and 12 v) AC & DC current output 6 A, input 220v, 50hz, AC .	2
03-02-01506	Water bath , 6 openings of 90 mm dia , stainless steel, removable cover .	8
03-02-01507	Water bath , with cover , for bacteriological purpose stainless steel temperature control ~ 15 litre capacity , with necessary test tube racks.	6
03-02-01508	Water distilling apparatus , all glass , 2-4 litre/ hour distillate conductivity > 2 ms /cm	15
03-02-01509	Nessler, Lovibond BDH , with all necessary discs reagents for determination FE, Mn , NO ₃ , NH ₄ , NO ₂ color in water	15
03-02-01510	Balance electronic capacity 160 g , precision +- 0.05 mg	6
03-02-01511	Balance electronic capacity 2 kg , precision +- 0.1g	15
03-02-01512	Autoclave , vertical , ~ 30 litre capacity , with all necessary accessories & spare parts	6

03-02-01513	Spectrophotometer , UV/ VIS , 155 -1000 nm with necessary cells & other accessories and spare parts	6
03-02-01514	Over drying capacity 40- 60 litre , temperature up to 250C	5
03-02-01515	Hot air sterilizer double door up to 250 C , capacity <= 12 litre working volume , with time switch up to 2 hours	3
03-02-01516	Incubator , temperature up to 70 C , double door working volume <= 30 litre	6
03-02-01517	BOD measure set , 6 sample bottles for manometric BOD measurement in thermobox 20 C with all necessary bottles& other accessories .	8
03-02-01518	COD measure set , including 4 series flask heaters with all necessary glassware including round bottom flasks 250 ml with suitable condensers.	8
03-02-01519	Furnace , muffle , temperature up to 1100 C , 3-5 litre working capacity.	3
03-02-01520	Jar - tester , with 6 – mechanical stirrers , rpm regulator 0-200 rpm with necessary beaker & spare parts including drive belts.	15
03-02-01521	Bottle , reagent , clear glass , autoclavable with glass cover , narrow neck capacity 250 ml	2000
03-02-01522	Thermometer pocket mercury 10 to 50 C	50
03-02-01523	Conical flask wide neck pyrex capacity 250ml	500
03-02-01524	Conical flask wide neck pyrex capacity 500ml	200
03-02-01525	Volumetric flask, class B , with stopper , capacity 50 ml	100
03-02-01526	Volumetric pipette class B , capacity 2 ml	60
03-02-01527	Graduated pipette class B , capacity 10 ml	250

03-02-01528	Graduated pipette class B , capacity 1 ml	100
03-02-01529	Test - tubes , soda line glass , 20 x 180 mm	2000
	CHEMICALS	
03-02-01530	Ammonia Solution	100 lit
03-02-01531	Ammonium Acetate	
03-02-01532	Barium chloride	
03-02-01533	Chloro form	50 lit
03-02-01534	Endo Agar	5 kg
03-02-01535	Etheyleline diamine tetra acetic acid , No.	
03-02-01536	Hydrochloric acid , conc .	
03-02-01537	Ethyl Alcohol	
03-02-01538	Mac conkey Agar	5 kg
03-02-01539	Mac conkey Broth	200 kg
03-02-01540	Nutrient Agar	50 kg
03-02-01541	Plate count Agar	5 kg
03-02-01542	Pota ssium Hydroxide	10 kg
03-02-01543	Pota ssium Ferrocynate	2 kg
03-02-01544	Silver nitrate	5 kg
03-02-01545	Sulphuric Acid , conc	50 lit
03-02-01546	silver sulphate	5 kg
03-02-01547	O -Tolidine , hcl	5 kg

**Section (66)
Flow Rate Measuring Equipment**

Code No.	Description	Qty.
03-02-01548	a. Flow rate measuring equipment for water supply projectes	200
	b. Ditto for house connection	2000000
	TOTAL	2000200

**SECTION - 67 -
SEWAGE COMPACT UNIT**

Code	Project Name	Qty
03-02-01549	(Sewage Compact Units for 10000 population	100
03-02-01550	(Sewage Compact Units for 20000 population	100
03-02-01551	(Sewage Compact Units for 50000 population	100
	Total	300

**Section (68)
Bore Hole Drilling And Maintenance Machine**

Code No.	Description	Qty.
03-02-01552	A- Bore Hole Drilling Machine	15
	B- Bore Hole Maintenance Machine	15
	total	30

**SECTION - 69 -
Spare parts for chlorinators**

Code	Description	Qty
03-02-01553	Spare parts for chlorinators	L.S

**Section -70 -
Electric Motors**

Code	Gov name	Project Name	KW	r.p.m	Type	Qty
03-02-01554	Wasit	1/ 4 million gallon C.U	30	1500	S.C	10
03-02-01555	Muothana	Rumaitha W.T.P	5.5	1500	V.S.C	15
03-02-01556	=	Rumaitha W.T.P *	0.15	1180	S.C	6
03-02-01557	Basrah	Karma C.U (1)	0.55	2900	V.S.C	12
03-02-01558	=	R.O / W.P.S	160	1500	S.C	3
03-02-01559	=	Karma C.U (2)	0.37	2900	V.S.C	4
03-02-01560	=	Kore -Al-Zber W.T.P	18.5	2930	S.C	10
03-02-01561	=	Kore -Al-Zber W.T.P	4	1500	V.S.C	6
03-02-01562	=	Kore -Al-Zber W.T.P	0.55	1500	V.S.C	3
03-02-01563	=	Kore -Al-Zber W.T.P	1.1	1500	V.S.C	2
03-02-01564	=	Al-Mudina W.T.P	45	1500	S.C	6
03-02-01565	=	Compact Unite	55	1500	S.C	42
03-02-01566	=	R.O / W.P.S	315	1500	S.C	9
03-02-01567	=	R.O / W.P.S	220	1500	S.C	4
03-02-01568	=	AQUA C.U.	7.5	1500	S.C	25
03-02-01569	=	(25) million Project	18.5	1500	S.C	25
03-02-01570	Missan	Unified W.T.P	120	1500	S.C	8
03-02-01571	=	Unified W.T.P	90	1500	S.C	8
03-02-01572	=	1/ 4 million gallon C.U	18.5	1500	S.C	20
03-02-01573	=	1/ 4 million gallon C.U	45	1500	S.C	20
03-02-01574	=	Unified Project	37.5	1000	S.C	8
03-02-01575	=	Al-Rafidan W.T.P	37.5	1500	S.C	8
03-02-01576	=	Raw Water B.S	150	750	S.C	4
03-02-01577	Diala	Baquba W.T.P	185	1500	S.C	10
03-02-01578	=	Baquba W.T.P	110	1500	S.C	10
03-02-01579	=	Baquba W.T.P	90	1500	S.C	10
03-02-01580	=	Baquba W.T.P	75	1500	S.C	10
03-02-01581	=	Baquba W.T.P	55	1500	S.C	10
03-02-01582	=	Baquba W.T.P	37	1500	S.C	10
03-02-01583	=	Baquba W.T.P	15	1000	S.C	10
03-02-01584	=	Kanaan W.T.P	30	1000	S.C	4
03-02-01585	=	Kanaan W.T.P	7.5	1400	S.C	4
03-02-01586	=	Baldroz	6	1000	S.C	12
03-02-01587	=	Al-Khalis *	1.5	1500	S.C	4
03-02-01588	=	Baldroz	3	1000	V.S.C	6
03-02-01589	=	Al-Saadiya W.T.P *	3.5	1000	S.C	1
03-02-01590	=	Kan Beni - Saad *	2	1000	S.C	6
03-02-01591	=	Kan Beni - Saad *	4	1000	V.S.C	10
03-02-01592	=	Kan Beni - Saad *	5	1000	V.S.C	4
03-02-01593	=	Jalawla W.T.P	1	1500	S.C	4
03-02-01594	=	Jalawla W.T.P	59	1500	S.C	6
03-02-01595	Nenewa	Motor for electric Valve	0.34	1350	S.C	50
03-02-01596	Nenewa	Motor for electric Valve	0.55	900	S.C	25
03-02-01597	=	Motor for electric Valve	0.27	900	S.C	20
03-02-01598	=	Motor for electric Valve	0.13	1400	S.C	20
03-02-01599	=	Motor for electric Valve	0.18	1400	S.C	20
03-02-01600	=	Mousal Right Bank W.T.P *	510	1500	S.C	20
03-02-01601	=		510	1500	S.C	20
03-02-01602	=		250	1500	S.C	15
03-02-01603	=		200	1500	S.C	15
03-02-01604	=		185	1500	S.C	20
03-02-01605	=		160	1500	S.C	20
03-02-01606	=		120	1500	S.C	20
03-02-01607	=		100	1500	S.C	20
03-02-01608	=		75	1500	S.C	20
03-02-01609	=		50	1500	S.C	20
03-02-01610	=		37.5	1500	S.C	25
03-02-01611	=		25	1500	S.C	25
03-02-01612	=		18.5	1500	S.C	30
03-02-01613	=		12.5	1500	S.C	30
03-02-01614	=		7.5	1500	S.C	30
03-02-01615	Tameem	Bor -holles (submersible)	15	3000	V.S.C	15

03-02-01616	=	Bor –holles (submersible)	22	3000	V.S.C	10
03-02-01617	Salaheldeen	Bafaq C.U *	3	3000	S.C	150
03-02-01618	=	Al-Shirqad W.T.P	75	1500	S.C	10
03-02-01619	=	Al-Shirqad W.T.P	37.5	1500	S.C	10
03-02-01620	=	Al-Shirqad W.T.P	18.5	1500	S.C	8
03-02-01621	=	Old Al-Shirqad W.T.P	15	1500	S.C	10
03-02-01622	=	Old Al-Shirqad W.T.P	11	1500	S.C	10
03-02-01623	=	Old Al-Shirqad W.T.P	7.5	1500	S.C	10
03-02-01624	=	Talol Al-Baaj	160	3000	S.C	8
03-02-01625	=	Al-Jamaf C.U.	60	1500	S.C	8
03-02-01626	=	Al-Shirqad No. (2)	22	1500	S.C	10
03-02-01627	=	Baaja C.U.	18.5	1500	S.C	10
03-02-01628	=	Al-Shirqad No. (2)	15	1500	S.C	10
03-02-01629	=	Bafaq C.U. in Al-Dor *	3	3000	S.C	20
03-02-01630	Baghdad	Al-Rashedya w.t.p forscraper *	1.5	1500	S.C	6
03-02-01631	Najaf	Sewage Project	5.5	1500	V.S.C	10
03-02-01632	=	Sewage Project	7.5	1500	V.S.C	10
03-02-01633	Qadissia	Diwanyah W.T.P	90	1500	S.C	15
03-02-01634	=	Diwanyah W.T.P	250	1500	S.C	10
03-02-01635	=	Diwanyah W.T.P	75	1500	S.C	15
03-02-01636	=	1/ 4 million gallon C.U	18.5	3000	S.C	20
03-02-01637	Qadissia	Diwanyah W.T.P	5.5	1500	S.C	10
03-02-01638	=	Diwanyah W.T.P	11	1500	S.C	20
03-02-01639	=	Diwanyah W.T.P	2.2	1000	V.S.C	4
03-02-01640	=	Sewage Project	45	1500	V.S.C	10
03-02-01641	Qadissia	Sewage Project	1.1	1500	V.S.C	2
03-02-01642	=	Diwanyah B.S	7.5	1500	S.C	10
03-02-01643	=	Diwanyah W.T.P	45	1500	V.S.C	10
03-02-01644	Anbar	west desert (B4)	670	1500	S.R	5
03-02-01645	=	west desert (all pump station)	540	1500	S.R	15
03-02-01646	=	west desert (A1)	450	1500	V.S.C	4
03-02-01647	=	west desert (T.P)	100	1500	S.C	8
03-02-01648	=	west desert (T.P) / P.S	11	1500	S.C	20
03-02-01649	=	west desert (B6)	380	1500	S.C	8
03-02-01650	=	west desert (T.P)	7.5	3000	S.C	10
03-02-01651	=	west desert (B)	160	1500	S.C	8

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* THE MOTOR
MUST BE WITH
FLANGE .

**SECTION -71 -
Cleaning Equipment**

Code	Description	Qty.				
03-02-01652	High tensile heavy duty steel kane rods fitted with two-way lock fast cadmium plated case hardened steel ferrules (2) m long for cleaning sewer pipes of up to (500) mm	10000 No.				
03-02-01653	Locking spanner (double ended) to be used for the above mentioned rods	600 =				
03-02-01654	Ratchel for hand rotation of the rods for (10) mm rod	300 =				
03-02-01655	Socket for steel kan (10) mm rod connection	2500 =				

03-02-01656	Socket holder for (10) mm rods				450 =			
03-02-01657	Rod gripper for the rods				300 =			
03-02-01658	Rotating handle for the rods				300 =			
03-02-01659	Universal rollers for the steel kan rod				300 =			
03-02-01660	Wheeled tool carrier for the steel kan rods				150 =			
03-02-01661	Pointed spearhead for rods				300 =			
03-02-01662	Chisels for (10) mm rods				600 =			
03-02-01663	Drawing eye (for drawing rope or cable through drains or conduits) for steel kane rods				600 =			
03-02-01664	Single worm screws for cleaning blockage suitable for pipes of diameter(100-300) mm				300 =			
03-02-01665	Auger root cutter suitable for cleaning root blockage in pipes of : (140) mm and				300 =			
	(215) mm				300 =			
03-02-01666	Crown root cutter suitable for cleaning pipe blockage (dual purpose, i.e. silt breaker or fibrous root cutter):(140) mm and,(215) mm .				300 =			
			300 =					
03-02-01667	Heavy duty PVC gloves size (10.5"), incorporating PVC granules on the palm and fingers to give high resistance to abrasion.				1000 Pairs			
	Heavy duty PVC gloves standard chrome leather for general purpose size 10.5"				1000 Pairs			
03-02-01668	Rubber PVC (10-12) boots				1200			
03-02-01669	Face mask with filters giving acid cases				450			
03-02-01670	Viking diving suits complete with breathing equipment and charged cylinder 13.6 kg for use with 1200 Ltr. Cylinders				300			

03-02-01671	Semperit sewerage flushing hose type IK 15 with 8 BR tupe braided textile reinforcement and NR/BR cover nom ID - 25 mm, nom OD - 39 mm, standard length 120 m operating pressure 150 bar, 95 kg/m and Nossels 1" dia.				1200 m.l			
					1200 no.			
03-02-01672	Mobile Water pump operated by benzin engine delivery diameter 2" q=60m3/hr,h= 15m				200 No.			

Section - 72 -

Wire Winding For Motor

Code	Standard wire guage	Size (mm)	Qty (ton)
03-02-01673	###	0.28	10
03-02-01674	###	0.29	10
03-02-01675	###	0.31	10
03-02-01676	###	0.35	10
03-02-01677	###	0.38	10
03-02-01678	###	0.43	10
03-02-01679	###	0.47	10
03-02-01680	###	0.48	10
03-02-01681	###	0.50	10
03-02-01682	###	0.54	10
03-02-01683	###	0.56	10
03-02-01684	###	0.61	10
03-02-01685	###	0.71	10
03-02-01686	###	0.75	10
03-02-01687	###	0.81	20
03-02-01688	###	0.90	20
03-02-01689	###	0.95	20
03-02-01690	###	1.00	20
03-02-01691	###	1.12	20
03-02-01692	###	1.20	20
03-02-01693	###	1.30	20
03-02-01694	###	1.40	20
	TOTAL		300

SECTION 73

Strainers

Code	Description	Qty NO.
03-02-01695	Flanged Strainer complete withfoot valve :-	
	a- (100) mm dia	250
	b- (150)mm dia	350
	c- (200) mm dia	500
	d- (250) mm dia	500
	e- (300) mm dia	500
	f- (350) mm dia	500
	g- (400) mm dia	500
	h- (450) mm dia	500
	i- (500) mm dia	500
	j- (600) mm dia	300
	k- (700) mm dia	100
	Total	4500

SECTION 74

Valves

Code	Description	Qty NO.
------	-------------	---------

03-02-01696	Double flanged butterfly valves with flanged socket & spigot pieces, complete :-				
	a- 1200 mm. dia.				200
	b- 1000 mm. dia.				200
	c- 900 mm. dia.				200
	d- 800 mm. dia.				250
	e- 700 mm. dia.				200
	f- 600 mm. dia.				300
	g- 500 mm. dia.				600
	h- 450 mm. dia.				600
	i- 400 mm. dia.				600
	j- 350 mm. dia.				600
	k-300 mm. dia.				800
03-02-01697	Double flanged gate valves complete with flanged socket & spigot pieces, as below :-				
	a- 450 mm. dia.				400
	b- 400 mm. dia.				600
	c- 350 mm. dia.				400
	d- 300 mm. dia.				800
	e- 250 mm .dia.				700
	f- 200 mm .dia.				600
	g- 150 mm .dia.				600
	k- 100 mm. dia.				800
03-02-01698	Double flanged (Non-retern)valves complete with flanged socket & spigot pieces :-				
	a-1200 mm dia				50
	b- 1000 mm dia				50
	a- 900 mm. dia.				100
	c- 800 mm. dia.				100
	d- 700 mm. dia.				100
	e- 600 mm. dia.				150
	f- 500 mm .dia.				200
	g- 450 mm .dia.				250
	h- 400 mm .dia.				250
	i- 350 mm. dia.				400
	j- 300 mm. dia.				400
	k- 250 mm. dia.				500
	i- 150 mm. dia				500
	m- 100 mm. dia.				500
03-02-01699	Mechanical float valves complete :-				
	a- 700 mm dia				100
	b- 600 mm dia				100
	c- 500 mm dia				100
	d- 400 mm dia				100
	e- 300 mm. dia.				100
	f- 250 mm. dia.				100
	g- 200 mm. dia.				200
	h- 150 mm. dia.				200
	i- 100 mm. dia				200
03-02-01700	Double kynatic air valves complete with surfaca box :-				
	- 100 mm dia				550
	Total				

Electric Over Head Travelling Crane

Code	Capacity (ton)	Clear Width Of Pumping Room (m)	Length Of Pumping Room (m)	Center To Center Of Column (m)	Dimension of Bracket (m)	Height from bracket to F.F.L (m)	Quantity (no)	Price (C.I.F)
03-02-01701	5	8.5	21	3.5	0.3× 0.5 0.3 IS THE WIDTH OF CO.	5	10	
03-02-01702	5	8.5	21	3.5	0.3× 0.5	9	10	
TOTAL								20

**SECTION - 76-
Bor holes Pumps**

Code	Gov. Name	Project Name	Q (m2/hr)	H (m)	Qty
03-02-01703	Nenewa	Al-Baaia W.T.P	25	127	30
03-02-01704	=	Rabiaa W.T.P	25	127	30
03-02-01705	=	Singar W.T.P	25	200	30
03-02-01706	=	Shikhan W.T.P	25	200	30
03-02-01707	Salahdeen	Brauagly W.T.P	50	132	50
03-02-01708	=	Brauagly W.T.P	50	40	20
03-02-01709	Anbar	Ruthba well Al-Nakhab	25	250	30
03-02-01710	=	Al-Walled well	25	400	30
03-02-01711	Mouthana	Al-salman	32	150	30
03-02-01712	=	Al-salman	28	130	30
03-02-01713	=	BSAIA WELL	35	200	30
03-02-01714	Tameem		50	150	100
03-02-01715	Diala		50	150	100
total					540

**Section - 77 -
Air Blowers**

Code	Capacity (m3/h)	Head (m)	Qty
03-02-01716	1600	10	26
03-02-01717	800	10	27
03-02-01718	600	10	28
03-02-01719	300	10	26
03-02-01720	400	10	26
03-02-01721	250	10	22
03-02-01722	200	10	27
03-02-01723	100	10	18
TOTAL			200

**SECTION - 78 -
Horizontal End -suction Pump
for compact unite**

Code	Q m3/h	H m	Qty	Motor Type	R.P.M
03-02-01724	60	20	350	S.C	1500
03-02-01725	60	50	350	S.C	1500
03-02-01726	60	60	243	S.C	1500
03-02-01727	250	20	140	S.C	1500
03-02-01728	14	35	1300	S.C	3000
03-02-01729	200	25	200	S.C	1500
03-02-01730	200	40	200	S.C	1500
03-02-01731	200	60	200	S.C	1500
03-02-01732	100	100	18	S.C	1500
03-02-01733	50	71	45	S.C	1500
03-02-01734	60	70	92	S.C	1500
03-02-01735	60	40	295	S.C	1500
03-02-01736	250	25	13	S.C	1500
03-02-01737	250	60	14	S.C	1500
03-02-01738	75	20	14	S.C	1500
03-02-01739	75	60	14	S.C	2900
03-02-01740	50	20	35	S.C	1500

03-02-01741	150	20	14	S.C	1500
03-02-01742	140	40	13	S.C	1500
03-02-01743	110	150	20	S.L	1500
03-02-01744	400	60	50	S.L	1500
TOTAL			3620		

**Section - 79-
Sewage Submersible Pumps**

Code	Capacity(m3/h)	Head(m)	Type of pump	Qty
03-02-01745	10	15	Raw Water	43
03-02-01746	100	25	Sewage	200
03-02-01747	200	25	Raw Water	170
03-02-01748	60	20	Raw Water	550
03-02-01749	300	20	Sewage	100
03-02-01750	150	20	Raw Water	100
03-02-01751	180	15	Sewage	20
03-02-01752	150	10	Raw Water	15
03-02-01753	90	10	Sewage	40
03-02-01754	80	20	Sewage	30
03-02-01755	70	20	Raw Water	60
03-02-01756	400	20	Sewage	75
03-02-01757	400	45	Raw Water	20
03-02-01758	20	15	Raw Water	186
03-02-01759	15	20	Raw Water	75
03-02-01760	800	12	Sewage	40
03-02-01761	14	35	Raw Water	54
03-02-01762	250	20	Sewage	124
03-02-01763	120	20	Raw Water	47
03-02-01764	2200	40	Raw Water	15
03-02-01765	1100	20	Raw Water	80
03-02-01766	600	20	Sewage	20
03-02-01767	500	20	Sewage	25
03-02-01768	35	15	Raw Water	57
03-02-01769	40	40	Raw Water	21
03-02-01770	60	40	Raw Water	23
03-02-01771	20	50	Raw Water	10
03-02-01772	500	50	Sewage	4
TOTAL			2204	

**SECTION 80
Cesspool empiter tanker**

Code	Description	Qty NO.
03-02-01773	Cesspool empiter tanker	250

**Section - 81 -
Thermal Over Load**

Code	Rating(A)	Qty
03-02-01774	(480 - 510)	90
03-02-01775	(440-460)	150
03-02-01776	(240- 260)	250
03-02-01777	(190 - 220)	100
03-02-01778	(170- 200)	100
03-02-01779	(150-175)	70
03-02-01780	(140-160)	200
03-02-01781	(130- 150)	100
03-02-01782	(110-130)	175
03-02-01783	(105-125)	150
03-02-01784	(90 -110)	300
03-02-01785	(75- 105)	350
03-02-01786	(65- 80)	70
03-02-01787	(50- 70)	380
03-02-01788	(45 -57)	60
03-02-01789	(40 -80)	200
03-02-01790	(30 -50)	300
03-02-01791	(25 -35)	150

03-02-01792	(24 - 40)	285
03-02-01793	(20 - 60)	100
03-02-01794	(18 - 25)	70
03-02-01795	(15 - 20)	200
03-02-01796	(9- 12)	260
03-02-01797	(3 - 6)	200
03-02-01798	(0.5 - 1.5)	100
03-02-01799	(0.4-1)	150
TOTAL		4560

**Section - 82 -
Electrical And Mechanical Machine And Tools**

Code	Description	Qty
03-02-01800	Diesel Driven Welding Machine 40 H.P	35
03-02-01801	Portable A.C Welding Machine rated welding current (120-160) Amp.	20
03-02-01802	Portable A.C Welding Machine rated welding current(200-400) Amp. & Acetylene welding set machine .	40
03-02-01803	Electro – pneumatic rotary hammers(5-14)mm	60
03-02-01804	Electro – pneumatic rotary hammers(5-25)mm	60
03-02-01805	Electro – pneumatic rotary hammers(10-36)mm	60
03-02-01806	Angle Crinders duoble insulated ,automatic brush cut , side handle	1500
03-02-01807	Cut of machine and Tir for	L.S
03-02-01808	Tool Bag	300
03-02-01809	electronic fault detectors for cable & hydraulic press machine for cable	60

**SECTION 83
Fitting for maintenance**

Code	Description	Qty No.
03-02-01810	Stainless steel repair clamps with rubber gasket and stainless steel bolts :- a- 600 mm. dia. b- 500 mm .dia. c- 450 mm .dia. d- 400 mm .dia. e- 350 mm. dia. f- 300 mm. dia. g- 250 mm. dia. h- 200 mm. dia. i- 150 mm. dia. j- 100 mm. dia.	1000 1000 1000 700 600 2000 3000 5000 5000 6000
03-02-01811	Couplings (Expansion joint)flat end for steel pipes :- a- 800 mm. dia. b- 600 mm .dia. c- 500 mm .dia.	150 150 200

	d- 450 mm .dia.	200
	e- 400 mm. dia.	200
	f- 350 mm. dia.	300
	i- 300 mm. dia.	300
	j- 250 mm. dia.	300
	k- 200 mm. dia.	300
	l- 150 mm. dia.	300
03-02-01812	Ductile iron express collars complete with rubber rings stainless steel bolts/nuts and washers as below :-	
	a- 1000 mm. dia.	500
	b- 900 mm. dia.	500
	c- 800 mm. dia.	500
	d- 700 mm. dia.	500
	e- 600 mm. dia.	500
	f- 500 mm .dia.	600
	g- 450 mm .dia.	600
	h- 400 mm .dia.	600
	i- 350 mm. dia.	750
	j- 300 mm. dia.	750
	k- 250 mm. dia.	800
	l- 200 mm. dia.	1000
	m- 150 mm. dia.	1000
	n- 100 mm. dia.	1000
03-02-01813	Couplings (Expansion joint) flanged end for steel pipe :-	
	a- 800 mm. dia.	500
	b- 600 mm. dia.	500
	c- 500 mm. dia.	500
	d- 450 mm .dia.	500
	e- 400 mm .dia.	500
	f- 350 mm. dia.	500
	g- 300 mm. dia.	500
	h- 250 mm. dia	500
	l- 200 mm. dia	500
	j- 150 mm. dia	500

SECTION 84
Circuit breaker

Code	Rating(A)	Qty
03-02-01814	10	1,200
03-02-01815	16	480
03-02-01816	20	665
03-02-01817	25	890
03-02-01818	32	520
03-02-01819	40	900
03-02-01820	63	1,840
03-02-01821	80	160
03-02-01822	100	1,800
03-02-01823	150	700
03-02-01824	160	950
03-02-01825	200	1,350
03-02-01826	250	1,350
03-02-01827	300	150
03-02-01828	400	1,100
03-02-01829	500	250
03-02-01830	630	700*
03-02-01831	800	200
03-02-01832	1,000	450
03-02-01833	1,250	150
03-02-01834	1,600	110
03-02-01835	2,000	25
03-02-01836	2,500	180
03-02-01837	3,200	25

03-02-01838	4,000	10
03-02-01839	5,000	5
Total		16,160

* Note : (3) Circuit
breaker of 630 A in
(11) kv, ITL :- 16 kv

IMX :- 40 kv

SECTION 85
Cesspit jetting untis

Code	Description	Qty NO.
03-02-01840	Cesspit jetting untis	150

Section -86 -
Contactora

Code	Rating (A)	Voltage of coil (V)	Qty
03-02-01841	400	SF6 (3.3kv)	35
03-02-01842	700	380	600
03-02-01843	600	380	450
03-02-01844	450	380	450
03-02-01845	400	380	125
03-02-01846	330	380	150
03-02-01847	300	380	350
03-02-01848	210	380	150
03-02-01849	180	380	350
03-02-01850	150	380	300
03-02-01851	120	380	250
03-02-01852	100	380	280
03-02-01853	80	380	280
03-02-01854	63	380	280
03-02-01855	45	380	200
03-02-01856	20	380	200
03-02-01857	16	380	200
03-02-01858	630	220	180
03-02-01859	500	220	150
03-02-01860	450	220	200
03-02-01861	400	220	260
03-02-01862	350	220	300
03-02-01863	300	220	300
03-02-01864	280	220	150
03-02-01865	250	220	360
03-02-01866	225	220	270
03-02-01867	200	220	400
03-02-01868	180	220	300
03-02-01869	160	220	480
03-02-01870	150	220	1,250
03-02-01871	125	220	750
03-02-01872	100	220	1,000
03-02-01873	80	220	800
03-02-01874	63	220	1,000
03-02-01875	50	220	700
03-02-01876	40	220	450
03-02-01877	30	220	500
03-02-01878	25	220	300
03-02-01879	20	220	500
03-02-01880	16	220	850
03-02-01881	10	220	450
TOTAL			16,350

Section (87)
Rescue Vehicles (SNORKLE)

Code No.	Description	Qty.
03-02-01882	Rescue vehicles (SNORKLE)	10

SECTION 88											
Spare part & equipment for shelter											
Code	Item	Description									
03-02-01883		Circuation and cenrifngal pumps :									
		Items	kw	R.P.M	PH	V	H(m)	Qm3/ h	HZ	Qty	
	1	Circulation pump	0.25	2800	3	380	-	13-14		50	24
	2	Circulation pump	1.1	1415	3	380	-	53-54		50	84
	3	Circulation pump	2.2	1425	3	380	-		100	50	24
	4	Circulation pump	4	2900	3	380	75		10	50	48
	5	Circulation pump	7.5	2875	3	380	20		100	50	18
	6	Circulation pump	0.37	2810	3	380	6.5		11	50	18
	7	Circulation pump	3	2855	3	380	72		10	50	18
03-02-01884		Compressed Air stution of air compressor with following specification Max work pressure :- (10) bar Normal pressure :- (7) bar Flow rate :- (1.8) L/Sec At (7) bar Quantiy :- (90) PCs									
03-02-01885		Circuit- Breaker : over loud rating A									
			Magnetic	Current A							
	1	950 - 1600	-	1600							
	2	100 -160	1000 - 1900	160							
	3	63 - 100	600 -1150	100							
	4	63 - 100	260 - 500	40							
	5	63 - 100	160 - 320	25							
	6	Oct-16	100 - 200	16							
03-02-01886		Spare parts for Cummins diesel generator type NTA - 588 - G - BIG – CAM									
	1	Water pump assy									
	2	Goveror wood ward assy									
	3	Starter assy									
03-02-01887		Semi hermetic reciprocating compresor									
		No of cylinder	R.P.M	KW	PH	HZ	V.	Pressure (BAR)			
		Q m3/ s									
	1	4	1500	20.5	3	50	400	31	12,22,502	0.02	33
	2	4	1500	29.3	3	50	400	31	12,22,502	0.03	66

SECTION 89		
Wrecker Fixed on Vehicles and truck		
Code	Description	Qty
03-02-01888	a. Wrecker fixed on vehicles chassis (2 x 4)	100
03-02-01889	b. Wrecker fixed on vehicles chassis (6 x 4)	100
	Total	200

SECTION 90		
SKY Lift		
Code	Description	Qty
03-02-01890	SKY Lift	20

SECTION 91		
POLYETHYLENE PIPES AND FITTINGS		
Code	Description	Qty m.l
	A- polyethylene pipes should be working under 12 bars pressure all pipes should be supplied to our stores in a form of bundles not than (30) m each quantities as follows :	
	NOMINAL SIZE	
03-02-01891	1- 13 mm	1500000
03-02-01892	2- 19 mm	1000000
03-02-01893	3- 25 mm	750000
03-02-01894	4- 37 mm	300000
03-02-01895	5- 50)mm	300000
03-02-01896	6- 63 mm	100000
	B- U.P.V.C saddle :	
03-02-01897	-(90) mm dia with brass ferrule suitable to connect poly ethylene pipe mentioned in item (a) above of (13) mm dia	30000
03-02-01898	- Ditto but to connect (19)mm dia	15000
03-02-01899	- Ditto but to connect (25)mm dia	10000
03-02-01900	-(110) mm dia with brass ferrule suitable to connect poly ethylene pipe mentioned in item (a) above of (13) mm dia	200000
03-02-01901	- Ditto but to connect (19)mm dia	100000
03-02-01902	- Ditto but to connect (25)mm dia	50000
03-02-01903	- Ditto but to connect (37)mm dia	30000
03-02-01904	-(160) mm dia with brass ferrule suitable to connect poly ethylene pipe mentioned in item (a) above of (13) mm dia	120000
03-02-01905	- Ditto but to connect (19)mm dia	700000
03-02-01906	- Ditto but to connect (25)mm dia	50000
03-02-01907	- Ditto but to connect (37)mm dia	30000
03-02-01908	- Ditto but to connect (50)mm dia	10000
03-02-01909	-(225) mm dia with brass ferrule suitable to connect poly ethylene pipe mentioned in item (a) above of (13) mm dia	100000
03-02-01910	- Ditto but to connect (19)mm dia	50000
03-02-01911	- Ditto but to connect (25)mm dia	30000
03-02-01912	- Ditto but to connect (37)mm dia	20000
03-02-01913	- Ditto but to connect (50)mm dia	10000
03-02-01914	- Ditto but to connect (63)mm dia	20000

03-02-01915 C- Tapping tool
complete with ratcet , (3)
cutter for p.v.c , saddle
adaptor, pipe adepter
and partable tool bol with
hexogen key and lever
for tapping saddle
branch dia as follows :

(16 - 25) mm
(32 - 40)mm
(50 - 63) mm

500

SECTION 92						
Spare part for scania						
Code	No.	Description	lorry part. No (DS)	Qty	Ciesspit part No.(SN)	Qty
03-02-01916	A	Scania model 1981				
	1	Turbo charger	252320	30		
	2	Cylinder block	295214	10	295214	10
	3	Cylinder liner	273759	30	235828	30
	4	In take valve	324573	60	324573	60
	5	Exhaust valve	232018	60	232018	60
	6	Set intake valve	289517	60	289517	60
	7	Set exhaust valve	289518	60	289518	60
	8	set of piston	307079	20	307081	20
	9	set of piston ring	550170	30	550170	30
	10	connecting rod	318062	15	318062	15
	11	Bushing	170094	120	170094	120
	12	set of bearing shell	279620	30	279620	30
			279621	30	279621	30
			279622	30	279622	30
			279623	30	279623	30
			279624	30	279624	30
			279625	30	279625	30
			279626	30	279626	30
	13	Crank shaft	279580	20	279580	20
	14	Fly wheel	306991	15	306991	15
	15	Vibration damper	131296	15	131296	15
	16	Cam shaft	238401	50	228830	50
	17	Set of cam shaft bearing	157274	60	157274	60
	18	Set of cam shaft bearing	131115	60	131115	60
	19	Set of cam shaft bearing	131455	60	131455	60
	20	Set of push rod	271676	30	271676	30
	21	Oil pump	301473	50	301473	50
	22	Ball bearing for oil pump	152897	50	152897	50
	23	Lubrication oil cleaner	300162	25	300162	25
	24	Oil cooler	266794	50	266794	50
	25	Set of bearing shall	274610	50	274610	50
			274611	50	274611	50
			274612	50	274612	50
			274613	50	274613	50
			274614	50	274614	50
			274615	50	274615	50
			274616	50	274616	50
	26	Radiator	310080	20	310080	20
	27	Rep-kit for injection pump	550137	60	550137	60
	28	Rep-kit for centrifugal gover	559138	60	559138	60
	29	Rep-kit for feed pump	550140	60	550140	60
	30	Rep-kit for primiry filter	550300	30	550300	30
	31	Rep-kit for clutch servo	550432	50	550432	50

32	Water pump	292761	70	292761	70
33	Ball bearing Inner	228836	50	228836	50
34	Ball bearing outer	258267	20	258267	20
35	Fan	232169	50	232169	50
36	Feed pump	211005	100	192847	100
37	Set of nozzle	232149	30	232144	30
38	Fuel cleaner	303797	60	303797	60
39	Disc	304398	60	304398	60
40	Lining set	550432	15	550432	15
41	Gear pump	194838	50	194838	50
42	Ball bearing clutch	550421	50	550421	50
43	Clutch servo	298953	50	298953	50
44	Set rep-kit for hydraulic cylinder	292962	20	292962	20
45	Set rep-kit for clutch	550421	150	550421	150
46	Gear box	314748	50	314748	50
47	Three way valve	317340	150	317340	150
48	Magnetic vavle	303470	10	303470	10
49	Cross joint	294380	50	294380	50
50	Central gear	304243	50	304207	50
51	Central gear	322576	50	317387	50
52	Pump with motor	309776	50	309776	50
53	Spring brake champer	295387	50	295390	50
54	Stator motor	163394	50	163394	50
55	Rotor	305154	50	305154	50
56	Ball bearing	305156	100	305156	100
57	Stator	308508	50	308508	50
58	Alternator	305152	50	305152	50
59	Diod	305158	50	305158	50
60	Main shaft	317960	30	317960	30
61	Driving shaft	297903	15	297903	15
62	Brush plate	308507	150	308507	150
63	Insulation	193511	150	193511	150
64	Stator relay	192976	150	192976	150
65	Stub axles	131430	20	131430	20
66	Oil pressure valve	259100	20	259100	20
67	Power steering gear	319975	20	319975	20
68	Oil pressure manimeter	275750	20	275750	20
69	Injection pump	279077	50	302133	50
70	Alternator	279698	50	279698	50
71	Ball bearing	168248	50	168248	50
72	Hub damper	277611	15	305742	15
73	Ball bearing clutch	14831	60	14831	60
74	Inter prop shaft	317505	15	317505	15
75	Set of complete parts of chassis		50		50
B	Scania model				

**SECTION -93-
Communication System**

Code	Description	Qty
03-02-01917	Wirless System HF Transceiver with accessories	285
03-02-01918	Switching Digital PABX 2000 Line with accessories	1
03-02-01919	Ditto 500 Line with accessories	5
03-02-01920	Ditto 200 Line with accessories	22
03-02-01921	Digital Key System with accessories	270
03-02-01922	Wirless Telephone with accessories	20

SECTION -94-

Motor Cycle

Code	Description	Qty
03-02-01923	Motor Cycle	300

SECTION –95-**Rescue Boat**

Code	Description	Qty
03-02-01924	Rescue Boat	20

Section (96)**Spare parts for asphalt factory**

Code	Description	Qty
03-02-01925	For Factory Capacity 100 ton /hr.	L.S
03-02-01926	For Factory Capacity 50 ton /hr.	L.S

Section (97)**Road Sweeping Vehicle**

Code	Description	Qty
03-02-01927	Road Sweeping Vehicle	150

Section (98)**Printing Machine and Reducer And enlarger drawing**

Code	Description	Qty
03-02-01928	Printing Machine and Reducer And enlarger drawing	50

Section (99)**Equipment for keeping drawing**

Code	Description	Qty
03-02-01929	Equipment for keeping drawing	50

Section (100)**Asbestos suit**

Code	Description	Qty
03-02-01930	Asbestos suit	3000

Section (101)**Breathing Apparaches**

Code	Description	Qty
03-02-01931	Breathing Apparaches	3000

Section (102)**Fire Man Helmet**

Code	Description	Qty
03-02-01932	Fire Man Helmet	3000

Section (103)**Light Torch**

Code	Description	Qty
03-02-01933	Mechanical Light Torch	500
03-02-01934	Manual Torch	500

Section (104)**Rescue Vehicle**

Code	Description	Qty
03-02-01935	Light Rescue Vehicle	200
03-02-01936	Heavy rescue vehicle	64

Section (105)

Fire Fighting Vehicle for different puposes

Code	Description	Qty
03-02-01937	Fire Fighting Vehicle for different puposes	64

Section (106)**Supporting fire fighting vehicle**

Code	Description	Qty
03-02-01938	Supporting Fire Fighting Vehicle	100

Section (107)**River fire fighting Boot**

Code	Description	Qty
03-02-01939	River Fire Fighting Boot	15

Section (108)**Fire Extingushire**

Code	Description	Qty
03-02-01940	Fire Extingushire	
	A. capacity 6 kg	7500
	B. capacity 12 kg	7500

Section (109)**Fire Fighting chemical powder**

Code	Description	Qty
03-02-01941	Fire Fighting chemical powder	300 ton

Section (110)**Communication station for fire fighting purposes**

Code	Description	Qty
03-02-01942	Communication station for fire fighting purposes	16

Section (111)**EARLY WARNING SIREN SYSTEM**

Code	Description	Qty
03-02-01943	EARLY WARNING SIREN SYSTEM	120

Section (112)**Lighting Vehicles**

Code	Description	Qty
03-02-01944	Lighting Vehicles	64

Section (113)**Saloon Cars**

Code	Description	Qty
03-02-01945	Saloon Cars	500

SECTION 114**COMPUTERS / COMMUNICATION /GIS****SYSTEM COMPLETE WITH PRINTER AND ACCESSORIES**

CODE	DISCRIPTION	QTY.
03-02-01946	PENTIUM III	938
03-02-01947	MAIN SYSTEM PENTIUM III FILE SILVER	73
03-02-01948	WORK STATION PENTIUM III	902

03-02-01949	HUBS 8 PORT OUTLETT WITH CABLES AND CONNECTORS	3
03-02-01950	DATA SWITCH 5X1 PORT	4
03-02-01951	SPACIAL WHILE COMPUTER BOARD	3
03-02-01952	SVGA PROJECTOR	10
03-02-01953	PHOTO GRAPHIC CAMERA	10
03-02-01954	VIDO INPUT /OUTPUT INTERFACE	10
03-02-01955	HP LASER JET 8000 (COLOR)	149
03-02-01956	HP LASER JET 1100 (BLACK AND WHITE)	489
03-02-01957	POWER SUPPLY (UPS)	125
03-02-01958	HP SCANNER	120
03-02-01959	SCANNER A4	717
03-02-01960	SCANNER A0	2
03-02-01961	PEN PLOTER	40
03-02-01962	JAZZ DRIVER	91
03-02-01963	ELECTRICAL TYPE WRITE ARABIC /ENGLISH	170
03-02-01964	FLOPPY DISK 3.5 H.D	470 BOX
03-02-01965	CD BLANK	100 BOX
03-02-01966	FANFORD PAPER	120 BOX
03-02-01967	UPS 1.5 -5 K.V.A BRAND NAME	506
03-02-01968	MODEM CARD (EXTERNAL) BRAND NAME	135
03-02-01969	NOTE BOOK PC	109
03-02-01970	SUPER MINI COMPUTER	12
03-02-01971	LINE PRINTER 2000 LPM A3	45
03-02-01972	EPSON PRINTER DFX 8500 DOT MATRIX	100
03-02-01973	EPSON PRINTER LQ 2180 OR HIGHER	709
03-02-01974	COMPUTERRIZE TRANSMISSION STATION SYSTEM COMPAQ WORKSTATIONS	2 10
03-02-01975	COMPUTERRIZE RECVING UNITS COMPAQ WORKSTATIONS	10 200 pcs
03-02-01976	SVGA SCREEN 1.5 M x 3M	2
03-02-01977	DIGITIZER(ACCUTAR)SURFACE LIT DIGITIZER	2
03-02-01978	EPSON (A0) LASER INK JET PRINTER	5
03-02-01979	EPSON (A0) MAP PLOTTER	5
03-02-01980	DIGITAL CAMMERA SONY MAUICA	36

03-02-01981	ID CARD BY PRE-PRINTER	20 million
03-02-01982	ELECTRICAL PAPER COTTER	34
03-02-01983	STANDARD CLEAR LAMINATION FILM	20 million
03-02-01984	LAMINATION WITH SPECIAL HOT STAMP	100
03-02-01985	ID CARD SYSTEM	50
03-02-01986/1	EQUIPMENT FOR FIXING NETWORK	30 net work
03-02-01986/2	(COMPUTER) ARCHIVE COMPLETE WITH PRINTERS AND ACCESSORIES	1 Set
03-02-01987	COMPUTER MAKINTOSH UPDATE	2
03-02-01988	SWITCH HUB OF 100 BPS& 16PORT	10
03-02-01989	UTP LAN CABLE WITH ACCESSORIES	3000M
03-02-01990	VOLTAGE STABILISER 1000 VA	100
03-02-01991	SPECIAL DISK DRIVE 2.6GB	2
03-02-01992	ZIP DRIVE WITH(30) MEDIA	4
03-02-01993	CD RECORDABLE(RE-WRITE)	15
03-02-01994	PIXEL VIEW CARD 8 MB 34 FLAT SCREEN TV WITH WALL STAND	2
03-02-01995	HEAVY DUTY COVER MACHINE	20
03-02-01996	WIRE LESS EQUIPMENT FOR CARS H.VHF	500
03-02-01997	MANUAL WIRE LESS EQUIPMENT 5-45 H.VHF	500
03-02-01998	OFFICE WIRE LESS EQUIPMENT H.VHF	100
03-02-01999	ELECTRONIC EXCHANGER RATE 400+40	1
03-02-02000	ELECTRONIC EXCHANGER RATE 100+10	20
03-02-02001	FILES STORAGE EQUIPMENT TYPE CARDEX	10
03-02-02002	LAMINATORS WITH SPECIAL HOT STAMP	100
03-02-02003	LIVE SCANNER	20
03-02-02004	HPLASER JET 2100 8MB RAM	6
03-02-02005	EXTERNAL HARD DRIVE 500 GB (MIRROR HARD)	2
03-02-02006	PAPER A3 CABROWIZE TO SHEET	100 BOX

03-02-02007	PAPER A3 SINGLE SHEET	100 BOX
03-02-02008	PAPER SHEETS (ROLLS SIZE A0) 50 M EACH ROL	50 BOX
03-02-02009	CONTINUAS PAPER SINGLE SHEET	50 BOX
03-02-02010	GPS DEVICES	1000
03-02-02011	TRANSMITTER DEVICES	1000
03-02-02012	RECEIVERS DEVICES	20
03-02-02013	WRITE PAPER A4 80 GRAM/M2	500 BOX
03-02-02014	PAPER SERIES CARBONIZE TO SHEET	150 BOX
03-02-02015	WIERLESS SECURITY MONITORING SYSTEM	1

Section (115)
Wireless Control System

Code	Description	Qty
03-02-02016	Wirless Control System (10) VHF Channel	10
03-02-02017	Wirless equipment for cars H.VHF	500
03-02-02018	Manual Wirless equipment S.N 5H.VHF	500
03-02-02019	Table Wirless equipment H.VHF	100

Section (116)
Electronic Operator

Code	Description	Qty
03-02-02020	Electronic Operator capacity 400 + 40	1
03-02-02021	Electronic Operator capacity 100 + 10	20

Section (117)
Iron equipment for keeping document

Code	Description	Qty
03-02-02022	Iron Equipment For Keeping Document Type Kaodiks capacity 15000 file for one storage	10

Section (118)
Cooling siplite unit equipment

Code	Description	Qty
03-02-02023	Cooling siplite unit equipment 2400 B.T.U	20

SECTION (119)
Vacumme Loader for using in the sewer system

Code	Description	Qty
03-02-02024	Vacumme Loader for using in the sewer system	50

Section (120)
Special Table For Computer

Code	Description	Qty
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03-02-02025	Special Table For Computer	50
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Section (121)
Special Chaires For Computer

Code	Description	Qty
03-02-02026	Special Chaires For Computer	60

Section (122)
Drawing photo copy machine and photo copy machine

Code	Description	Qty
03-02-02027	Drawing photo copy machine	25
03-02-02028	photo copy machine	150

Section (123)
Theodolite and Level instrument

Code	Description	Qty
03-02-02029	Theodolite	10
03-02-02030	Level instrument	10

SECTION (124)
PRE PRINTING LINES ON PVC CARDS WITH SPARE PARTS

CODE NO	DISCRIPTION	QTY
03-02-02031	PRINTING LINE FOR PRE-PRINTING ON PVC I-D CARDS.	1
	TRANSVARO PRINTING LINE WITH CAPABLT OF	
	FULL COLOR PRINTING	
	DOUBLE SIDE PRINTING	
	WATER LESS UV COLOR	
	SHADOW PRINTING	
	FINE LINE PRINTING CABABLE	
	MICROPRINTNG CABALE	
	LAMINATION OF COATING FOR PVC CARD	
	TREATMENT ON PVC (SI) DIMENTION 86 / 54 PRODUCTION	
	THKNIS OF WORKING BETWEEN 0.6/ 1.	
	SPEED 6000 CARD /HOUR ORE MORE SINGLE PRODUCTION SPEED.	
	ALL COLOR TREATMENT AND DESIGN MUST BE COMPUTRIZE	
	ALL THE LINE PRECEDURE MUST BE CONTROLLED BY COMPUTER	
	COMPUTER AIDED DESIGN	

		GIVE DETAILS
03-02-02038	OFFSET PAINTS FOR COMPLY 40,000,000 CARD FULL COLOR	PER GALLON
		GIVE DETAILS
03-02-02039	COOLING MACHINE THAT COMPLY THE WORKING MEDIA 25 CENTGRATE (ROOM CONDITIONER WORK)	PER TON
		GIVE DETAILS
03-02-02040	STAND BY GENERATOR REQUIERD FOR MACHINES ABOVE. POWER OF THE GENERATOR MUST BE MORE THAN POWER OF FULL LOAD BY 20 % WITH SPARE PARTS.	1
03-02-02041	SPARE PARTS FOR ALL MACHINE IN ITEMS 1,2,3,4 REQUIRED FOR WORKING 3 YEAR WARNTTY OF THE LINE PARTS.	GIVE DETAILS
	THE SUPPLIER MUST GIVE INSURANCE FOR WARKING 3 YEAR WARNTY	GIVE DETAILS
	ANY NECESSARY EQUIPMENT RECOMMENDED MUST BE GIVEN	GIVE DETAILS

SECTION - 125 -

Asphalt Factory

Code	Description	Qty.
03-02-02042	Asphalt Factory 250 – 300 ton / hr	25

SECTION -126 -

Twin Crusher

Code	Description	Qty.
03-02-02043	Twin Crusher 150 – 300 ton / hr	25

SECTION -127 -

Bitumen Tank Trailer

Code	Description	Qty.
03-02-02044	Bitumen Tank Traller	20

SECTION -128-

Bitumen Sprayer Tank

Code	Description	Qty.
03-02-02045	Bitumen Sprayer Tank	20

SECTION -129 -

Antimine and Bomb clearanceVehicle

Code	Description	Qty.
03-02-02046	Antimine and Bomb clearanceVehicle	5

SECTION -130 -

Antimine and Bomb clearance equipment

Code	Description	Qty.
03-02-02047	Antimine and Bomb clearance equipment	20

SECTION -131 -

Different Wood

Code	Description	Qty.
03-02-02048	White Wood	1000 m3
03-02-02049	Teak Wood	1000 m3
03-02-02050	Ordinary Ply Wood	3000
03-02-02051	Teak Ply Wood	2000
03-02-02052	Board Block Wood Size 19 mm	500

SECTION -132 -

Laizer Printer

Code	Description	Qty.
03-02-02053	Laizer Printer	200

SECTION -133 -

Accessories For Carpentry Factory

Code	Description	Qty.
03-02-02054	Accessories For Carpentry Factory	Different

SECTION -134 -

Concrete Mixer Vehicles

Code	Description	Qty.
03-02-02055	Concrete Mixer Vehicles	20

SECTION -135 -

Concrete Pump

Code	Description	Qty.
03-02-02056	Concrete Pump	5

SECTION -136 -

Concrete Plant

Code	Description	Qty.
03-02-02057	Concrete Pump	5

SECTION (137)

A: Equipment;s & standard parts for water treatment plant 200 m3/hr

CODE	ITEM	DESCRIPTION	QTY IN UNIT
03-02-02058	1	HORIZONTAL-CENTRIFUGAL PUMP200M3\HR H=50,25 W.C.M	225
03-02-02059	2	DOSING PUMP 260 L\HR(26 1\HR 10%)(PVC)	100
03-02-02060	3	MIXER\STIRRER1000RP M S.ST.SHAFT0.25NP S.ST.BLADES	100
03-02-02061	4	CHLORINATOR 0-2KG\HR(COMPLETE)&EJECTORS	100

03-02-02062	5	CENTRIFUGAL MULTI STAGE PUMP 2M3/HR S.ST CASE,S.ST SHAFT	100
03-02-02063	6	BUTTERFLY VALVE DN 80,100,150,200 (PN 16)	1150
03-02-02064	7	EJECTOR	200
03-02-02065	8	SUBMERSIBLE CENTRIFUGAL PUMP 230 M3/HR 20 W.C.M	100
03-02-02066	9	LEVEL SWITCH (BONY LEVEL) (POLLY PROPYLENE)	50
03-02-02067	10	NON-RETURN VALVE DN 150,200 (PN 10)	250
03-02-02068	11	DRAUGHT-HOLE VALVE DN 80	200
03-02-02069	12	DISASSEMBLY JOINT DN 150,200	2400
03-02-02070	13	Y- STRINERS DN 25(P.V.C),150	300
03-02-02071	14	PRESSURE REGULATOR (1-10)	100
03-02-02072	15	FLOW METER DN 150 (PN 10)	50
03-02-02073	16	RELIEF VALVE (3-6)_ BAR (1½")	50
03-02-02074	17	MANOMETER (100MM) (0-10)BAR	100
03-02-02075	18	SWITCH LEVEL (TYPE FILSA L27)	600
03-02-02076	19	SENSOR LEVEL	100
03-02-02077	20	POLYETHYLENE (AL)2(SO4)3TANK ACCESSES.	100
03-02-02078	21	P.V.C NON-RETURN VALVE DN 25	100
03-02-02079	22	FLOW SWITCH DN 25 (P=17 KG/CM2)	100
03-02-02080	23	ELECTRICAL PARTS FOR CONTROL BOARD (45 KW) (AS IN THE LIST)	50
03-02-02081	24	BALL VALVE BRASS DN 25, 50, (P.V.C) DN 25	450
03-02-02082	25	GALVANIZED EXCENTRIC REDUCER 8" * 6" DIN 2616	100
03-02-02083	26	GAL.-CONCENTRIC REDUCER (5"*6"),(6"*8"),(4"*8"),(12"* 8"),(6"*4")	3400
03-02-02084	27	GALVANIZED ELBOW LR 90 3",4",6",8",12" DIN 2605	5180
03-02-02085	28	ELBOW (GALVANIZED)LR 45 4"	240
03-02-02086	29	GALVANIZED EQUAL TEE 6",8"	720
03-02-02087	30	GALVANIZED CUP 8" DIN 2617	720
03-02-02088	31	GALVANIZED PIPE 11/2" SCH 80	480

03-02-02089	32	GALVANIZED PIPE 3",4",6",8",12" SCH-STD	22000
03-02-02090	33	DIFFUSERS	1800
03-02-02091	34	DUMPENER DN25	200
03-02-02092	35	PUMP CHERGE PIPING DN 25 PVC	100
03-02-02093	36	PUMP DISCHARGE PIPING DN25 PVC	100

B: RAW MATERIAL

CODE	ITEM	DESCRIPTION	QTY IN UNIT
03-02-02194	1	COLLED ROLLED STEEL ST-12.03-U DIN 1623 1,1.5,2 *1500*3000	400TON
03-02-02195	2	HOT ROLLED STEEL ST.- 37-2-U DIN 17100 4,5,6,8,10,12 *1500*3000	2400 TON
03-02-02196	3	SQUARE STEEL TUBE AS PER DIN 2395/ST-37- 2-U DIN 17100 (120*120*5*9000) , (50*50*4*6000)	600 TON
03-02-02197	4	HOLLOW SECTION STEEL TUBE DIN2395/ST-37-2-U DIN 17100 100*50*5*6000	200 TON
03-02-02198	5	EQUAL STEEL ANGLE AS PER DIN 59413/ST- 37-2-U DIN 17100 35*35*3*6000 , 50*50*4*6000 , 75*75*5*6000	300 TON
03-02-02199	6	STEEL CHANNEL PER DIN 1026/ST-37-2-U DIN 17100 120*55*7*6000 , 140*60*7*6000	250 TON
03-02-02200	7	ROUND STEEL TUBE DIN 2448/ST-37-2-U DIN 17100 48.3*3*3.7*6000,38*1.75* 6000,32*1.75*6000,25*1.7 5*6000	200 TON
03-02-02201	8	WELDING ELECTRODES OK 48.04 E(7018)DIN 1913 E 5153 B10 O 3.25,O 4 mm	400 TON
03-02-02202	9	WELDING ELECTRODES O2.5mm E(6010)DIN1913 E4332C4	20 TON
03-02-02203	10	COIL PLATE (PAINTED) 0.6,0.8 mm*1250	650 TON
03-02-02204	11	COIL PLATE (GALVANIZE) 0.6mm*1250	150 TON

03-02-02205	12	GRINDING WHEEL (A30S)(B-81)180*7*22.2	50000
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c: Reverse osmosis units

CODE	Item	Description	QTY.
03-02-02206	1-	reverse osmosis units complete with all	5 unit
		acc & spere parts for one-year	1 as a
		operation. Provide one unit completes	complete
		with all documents & drawings and list	unit
		of components.	4 as kits
		the remain quantity provides - out as kits .	
		production flow 8.33 m3/hr	
		iniet flow 12.78 m3/hr	
		recovery 65.2	
		no. Of membranes 9	
		e-motor power (kw) 13	
		diminution 4.5*1.5*1.7	
03-02-02207	2-	reverse osmosis units complete with all	5 unit
		acc & spere parts for one-year	1 as a
		operation. Provide one unit completes	complete
		with all documents & drawings and list	unit
		of components.	4 as kits
		the remain quantity provides - out as kits .	
		production flow 23.00 m3/hr	
		iniet flow 32.44 m3/hr	
		recovery 70.9%	
		no. Of membranes 25	
		e-motor power (kw) 30	
		diminution 6.5*1.5*2.4	
03-02-02208	3-	reverse osmosis units complete with all	5 unit
		acc & spere parts for one-year	1 as a
		operation. Provide one unit completes	complete
		with all documents & drawings and list	unit
		of components.	4 as kits
		the remain quantity provides - out as kits .	
		production flow 56.25 m3/hr	
		iniet flow 75 m3/hr	
		recovery 75	

03-02-02209	4-	no. Of membranes 45	
		e-motor power (kw) 75	
		diminution 7.5*2*2.4	
		reverse osmosis units complete with all	5 unit
		acc & spere parts for one-year	1 as a
		operation. Provide one unit completes	complete
		with all documents & drawings and list	unit
		of components.	4 as kits
		the remain quantity provides - out as kits .	
		production flow 100 m3\hr	
		iniet flow 133 m3\hr	
		recovery 74.9%	
		no. Of membranes 96	
		e-motor power (kw) 110	
		diminution 9*2.35*2.4	

D: Welding machine, Equipments & Gas welding equipment

CODE	ITEM	DESCRIPTION	QTY IN UNIT
03-02-02210	1	LHF Welding rectifiers for jobs & environments out of the ordinary	100
		LHF 400,630,800	
		Specifications of each type enclose with the list	
03-02-02211	2	Mobile diesel- driven combination WELDING and power generator	3
		Max. power at 60% duty cycle 350 A	
		Max. power at 63% duty cycle 400 A	
		According to specification enclosed	
03-02-02212	3	Gas Welding equipment	25 set
		For Welding material 1-15 mm	
		For cutting material 1-150 mm	
		with all acc & gauges	
03-02-02213	4	Gas Welding kits	15 set
		For Welding material 0.5-8 mm	
		For cutting material 1-50 mm	
03-02-02214	5	Gas Welding equipment	10 PCs
		For Welding material 0.9-9 mm	
		For cutting material 1-30 mm	
03-02-02215	6	Portable gas cutting Type A,B	8

E: Industrial water treatment plant

CODE	ITEM	DESCRIPTION	QTY IN UNIT
03-02-02216	1	Industrial water treatment plant AT BABYLON GOVERNORATE	1

F: Industrial water treatment plant

CODE	ITEM	DESCRIPTION	QTY IN UNIT
03-02-02217	1	Industrial water treatment plant AT BAGHDAD GOVERNORATE	2
03-02-02218		Dosing Pumps with spare parts and accessories, of different capacities	1150
03-02-02219		toyota land cruiser model 2002 with spare parts	600 pcs