

**SECTION -1-
Aluminium Sulphate**

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

**SECTION -2-
Supply Chlorine Gas**

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

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

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

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

Code	Description	Qty
03-02-00007	Cylinder mounted, 500 g / hr.	
03-02-00008	Wall mounted, 1000 g / hr.	
03-02-00009	Wall mounted 2000 g / hr.	
03-02-00010	Wall mounted, 3000 g / hr.	
03-02-00011	Wall mounted, 4000g / hr.	
03-02-00012	Wall mounted 5000 g / hr.	
03-02-00013	Wall mounted 6000 g / hr.	
03-02-00014	Floor mounted 8000 g / hr.	
03-02-00015	Floor mounted 10000 g / hr.	
03-02-00016	Floor mounted 12000 g / hr.	
03-02-00017	Floor mounted 20000 g / hr.	
	TOTAL	

**SECTION 5
Alumina dossing pumps**

Code	Capacity (L/hr)	Head (m)	Qty
03-02-00018	6	30	
03-02-00019	25	70	
03-02-00020	50	40	
03-02-00021	80	30	

03-02-00022	100	25	
03-02-00023	100	50	
03-02-00024	100	100	
03-02-00025	150	40	
03-02-00026	200	40	
03-02-00027	250	40	
03-02-00028	300	40	
03-02-00029	350	40	
03-02-00030	400	50	
03-02-00031	400	100	
03-02-00032	450	50	
03-02-00033	450	80	
03-02-00034	500	50	
03-02-00035	600	50	
03-02-00036	800	30	
03-02-00037	800	60	
03-02-00038	1000	40	
03-02-00039	1000	60	
03-02-00040	1100	100	
03-02-00041	1200	60	
03-02-00042	860	30	
03-02-00043	420	30	
03-02-00044	545	30	
03-02-00045	760	30	
03-02-00046	300	100	
03-02-00047	100	100	
03-02-00048	100	50	
03-02-00049	50	80	
03-02-00050	400	100	
03-02-00051	800	100	
03-02-00052	1100	50	
03-02-00053	500	100	
03-02-00054	150	40	
03-02-00055	1200	60	
03-02-00056	1100	100	
03-02-00057	600	116	
03-02-00058	800	116	

Total

**Section - 6 -
CHLORINE BOOSTING PUMPS**

Code	Capacity (m3/h)	Head (m)	
03-02-00059	12	60	
03-02-00060	20	70	
03-02-00061	10	70	
03-02-00062	20	80	
03-02-00063	6	60	
03-02-00064	15	80	

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

Total

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	
03-02-00080	Nenawa	Hamam al alil water treatment plant	8000	
03-02-00081	Nenawa	Tal-Afar water treatment plant	8000	
03-02-00082	Salah-Al-Deen	Al- thiloya water treatment plant	3000	
03-02-00083	Salah-Al-Deen	Tuz-Kufri water treatment plant	4000	
03-02-00084	Salah-Al-Deen	Shirkat water treatment plant	2000	
03-02-00085	Salah-Al-Deen	Qadissia water treatment plant	3000	
03-02-00086	Salah-Al-Deen	Qadissia sewage treatment plant	L.S	
03-02-00087	Salah-Al-Deen	AL- Ouga sewage pumping station and	L.S	
03-02-00088	Salah-Al-Deen	Samara sewage treatment plant	12000	
03-02-00089	Baghdad	Al-Nahrawan cattle raiseres village	L.S	
03-02-00090	Diala	Balad rose water treatment plant	2000	
03-02-00091	Diala	Baquba 1 st stage sewerage project	L.S	
03-02-00092	Babil	Al-Mahaweel w.t.p	3000	
03-02-00093	Babil	Al-Hilla 2 nd stage sewerage project	L.S	
03-02-00094	Kerbala	Kerbala 2nd stage sewerage project	L.S	
03-02-00095	Al-Najaf	Al-Kufa sewerage network	L.S	
03-02-00096	Al-Tamim	Al-Toon copri w.t.p	400	

03-02-00097	Al-Tamim	Kirkuk 1 st stage sewerage project	L.S	
03-02-00098	Wasit	Al-KUT Unified W.T.P	8000	
03-02-00099	Wasit	Al-Kut 1st stage sewerage network	L.S	
03-02-00100	Al-Muthana	New Samawa W.T.P	8000	
03-02-00101	Al-Muthana	Al-Samawa 1st stage sewerage project	L.S	
03-02-00102	Thiqar	AL-Dawaya W.T.P	6000	
03-02-00103	Missan	Al-Maimona W.T.P	800	
03-02-00104	Missan	Al-Majer al kabir W.T.P	1000	
03-02-00105	Missan	Al-Kahlaa W.T.P	1000	
03-02-00106	Basrah	New basra W.T.P	30000	
03-02-00107	Basrah	Al-Qurna unified w.t.p	4000	
03-02-00108	Basra	Basra Sewage treatment plant phase (3)	94000	
	total			

**SECTION 8
Lorry with crane**

Code	Description	Qty
03-02-00109	Lorry (10) ton with (5) ton	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		S.C	1500
03-02-00111	=	New Nummaniya w.t.p	165	40		S.C	1500
03-02-00112	=	Old Nummaniya w.t.p	120	40		S.C	1500
03-02-00113	=	Old Nummaniya w.t.p	120	20		S.C	1500
03-02-00114	=	New Nummaniya w.t.p	160	20		S.C	1500
03-02-00115	=	Al -Ahrar w.t.p	165	50		S.C	1500
03-02-00116	=	Al -Ahrar w.t.p	170	20		S.C	1500

03-02-00117	=	Jasan w.t.p	100	50		S.C	1500
03-02-00118	=	Jasan w.t.p	120	20		S.C	1500
03-02-00119	=	Sheikh saad w.t.p	80	50		S.C	1500
03-02-00120	=	Al Dubouni w.t.p	55	50		S.C	3000
03-02-00121	=	Al Dubouni w.t.p	60	25		S.C	1500
03-02-00122	=	Al Mazraa w.t.p	90	50		S.C	1500
03-02-00123	=	Al Mazraa w.t.p	60	25		S.C	1500
03-02-00124	=	Al Dahnouk w.t.p	350	20		S.C	1500
03-02-00125	=	Al Dahnouk w.t.p	230	50		S.C	1500
03-02-00126	=	Kut w.t.p	850	20		S.C	1500
03-02-00127	=	Kut w.t.p	650	40		S.C	1500
03-02-00128	=	Al Hay w.t.p	550	50		S.C	1500
03-02-00129	=	Al Hay w.t.p	450	20		S.C	1500
03-02-00130	=	Al Hay w.t.p	450	40		S.C	1500
03-02-00131	=	Al Suwaira w.t.p	550	40		S.C	1500
03-02-00132	=	Al Muaffaqiya w.t.p	90	20		S.C	1500
03-02-00133	=	Al Muaffaqiya w.t.p	80	40		S.C	1500
03-02-00134	=	Al Zubaidia w.t.p	55	40		S.C	3000
03-02-00135	=	Al Zubaidia w.t.p	60	20		S.C	1500
03-02-00136	=	Sheikh saad w.t.p	180	20		S.C	1500
03-02-00137	=	Sheikh saad w.t.p	80	100		S.C	1500
03-02-00138	=	Sheikh saad w.t.p	80	50		S.C	3000
03-02-00139	=	Um Sunayem w.t.p	60	20		S.C	1500
03-02-00140	=	Um Sunayem w.t.p	55	40		S.C	3000
03-02-00141	=	Al Suwaira w.t.p	650	50		S.C	1500
03-02-00142	=	Al Suwaira w.t.p	650	20		S.C	1500
03-02-00143	=	Al Suwaira w.t.p	500	85		S.C	1500

03-02-00144	=	Al Suwaira w.t.p	150	80		S.C	1500
03-02-00145	=	Al Samideen wal Muntasireen C.U.	110	20		S.C	1500
03-02-00146	=	Al Samideen wal Muntasireen C.U.	90	40		S.C	1500
03-02-00147	=	Al Bashar w.t.p	60	20		S.C	1500
03-02-00148	=	Al Bashar w.t.p	55	50		S.C	3000
03-02-00149	=	Wasit W.T.P	60	20		S.C	1500
03-02-00150	=	Wasit W.T.P	90	40		S.C	1500
03-02-00151	=	Al Aziziya w.t.p	600	10		S.C	1500
03-02-00152	=	Al Aziziya w.t.p	400	20		S.C	1500
03-02-00153	Missan	Amara w.t.p Unified	600	20		S.C	1500
03-02-00154	=	Amara w.t.p Unified	550	40		S.C	1500
03-02-00155	=	Boosting Station	120	60		S.C	1500
03-02-00156	=	Al Rafiden w.t.p	350	40		S.C	1500
03-02-00157	=	Al Rafiden w.t.p	400	20		S.C	1500
03-02-00158	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	120	40		S.C	1500
03-02-00159	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	150	20		S.C	1500
03-02-00160	Basrah	Al Hussen Boosting Station	930	60		S.C	1500
03-02-00161	=	Al Hussen Boosting Station	750	120		S.C	1500
03-02-00162	=	Al Mudaina W.T.P	200	50		S.C	1500
03-02-00163	=	Al Jasem	100	60		S.C	1500
03-02-00164	=	Shatt – Al Hel	50	50		S.C	2900
03-02-00165	=	Garma No. (2)	50	50		S.C	2900
03-02-00166	=	Shatt – Arab W.T.P	480	9		S.C	1500
03-02-00167	=	Al –Mufeqeya Boosting Station	160	80		S.C	1500
03-02-00168	=	Khor AL Zubair W.T.P	378	60		S.C	1500
03-02-00169	=	Khor AL Zubair W.T.P	405	6		S.C	1500
03-02-00170	=	Khor AL Zubair W.T.P	540	11		S.C	1500
03-02-00171	=	Al Dair W.T.P	250	50		S.C	1500
03-02-00172	=	Al Dair W.T.P	200	20		S.C	1500
03-02-00173	=	Al Bratheaa W.T.P	400	60		S.C	1500
03-02-00174	=	Al Bratheaa W.T.P	400	25		S.C	1500
03-02-00175	=	Al –Faw W.T.P	400	79		S.C	1500
03-02-00176	=	Al –Faw W.T.P	300	20		S.C	1500
03-02-00177	=	Faw Net Work	50	50		S.C	2900
03-02-00178	=	Faw Net Work	200	50		S.C	1500
03-02-00179	=	Old Al-Mudaina w.t.p	200	20		S.C	1500
03-02-00180	=	Old Al-Mudaina w.t.p	200	80		S.C	1500
03-02-00181	=	Al Bratheaa w.t.p	1500	90		S.C	1500
03-02-00182	=	Al Suwaip w.t.p	200	60		S.C	1500
03-02-00183	=	Al Basrah Unified w.t.p	1000	80		S.C	1500
03-02-00184	=	Al Basrah Unified w.t.p	400	60		S.C	1500
03-02-00185	=	Old Al Shuwaiba w.t.p	400	60		S.C	1500

03-02-00186	=	Al Ribat w.t.p	200	50		S.C	1500
03-02-00187	=	Abo –Alkasib w.t.p	200	50		S.C	1500

03-02-00188	=	Abo –Alkasib w.t.p	200	50		S.C	1500
03-02-00189	=	Abo –Alkasib w.t.p	50	50		S.C	2900
03-02-00190	Al Muthana	Hay –Al Saniya	300	80		S.C	1500
03-02-00191	=	Al Daraje w.t.p	60	50		S.C	3000
03-02-00192	=	Al Daraje w.t.p	60	20		S.C	1500
03-02-00193	=	Al Majed w.t.p	60	50		S.C	3000
03-02-00194	=	Al –HALAL Village	60	50		S.C	3000
03-02-00195	=	Al –HALAL w.t.p	100	50		S.C	1500
03-02-00196	=	Storm Station	100	20		S.C	1500
03-02-00197	=	Storm Station	150	20		S.C	1500
03-02-00198	=	Storm Station	200	20		S.C	1500
03-02-00199	=	Al Warka W.T.P	300	20		S.C	1500
03-02-00200	=	Al Warka W.T.P	216	60		S.C	1500
03-02-00201	=	Al Warka W.T.P	216	90		S.C	1500
03-02-00202	=	Al Warka W.T.P	216	15		S.C	1500
03-02-00203	=	Ramathan Boosting	500	40		S.C	1500
03-02-00204	=	Al Karama Boosting	100	70		S.C	3000
03-02-00205	=	Al Majed – Al –Mamlaha B.S	300	70		S.C	1500
03-02-00206	=	Al Mamlaha B.S	216	60		S.C	1500
03-02-00207	=	Al –Entsar B.S	100	40		S.C	1500
03-02-00208	=	Al Rsala Residenital Building	100	60		S.C	1500
03-02-00209	=	Al Askan Residenital Building	25	20		S.C	1500
03-02-00210	=	New Project	675	90		S.C	1500
03-02-00211	=	New Project	810	15		S.C	1500
03-02-00212	=	Al Kader w.t.p	216	40		S.C	1500
03-02-00213	=	Al Sakak Houses	120	50		S.C	1500
03-02-00214	=	New Rumaitha W.T.P	700	80		S.C	1500

03-02-00215	=	New Rumaitha W.T.P	200	60		S.C	1500
03-02-00216	=	New Rumaitha W.T.P	800	12		S.C	1500
03-02-00217	=	New Rumaitha W.T.P	510	15		S.C	1500
03-02-00218	=	New Rumaitha W.T.P	300	15		S.C	1500
03-02-00219	=	New Rumaitha W.T.P	375	90		S.C	1500
03-02-00220	=	New Rumaitha W.T.P	180	90		S.C	1500
03-02-00221	=	New Rumaitha W.T.P	200	70		S.C	1500
03-02-00222	=	New Rumaitha W.T.P	20	20		S.C	1500
03-02-00223	=	New Rumaitha W.T.P	100	50		S.C	1500
03-02-00224	=	New Rumaitha W.T.P	600	21		S.C	1500
03-02-00225	=	New Rumaitha W.T.P	800	12		S.C	1500
03-02-00226	Diala	Al Abara W.T.P	160	11		S.C	1500
03-02-00227	=	Abo –Sadia W.T.P	600	8		S.C	1500
03-02-00228	=	Abo –Sadia W.T.P	315	15		S.C	1500
03-02-00229	=	Abo –Sadia W.T.P	90	60		S.C	1500
03-02-00230	=	Abo –Sadia W.T.P	200	60		S.C	1500
03-02-00231	=	Baladroz W.T.P	210	20		S.C	1500
03-02-00232	=	Baladroz W.T.P	210	30		S.C	1500
03-02-00233	=	Baladroz W.T.P	220	60		S.C	1500
03-02-00234	=	Baladroz W.T.P	110	60		S.C	1500
03-02-00235	=	Baladroz W.T.P	100	60		S.C	1500
03-02-00236	=	Baladroz W.T.P	75	60		S.C	3000
03-02-00237	=	Baladroz W.T.P	110	30		S.C	1500
03-02-00238	=	Old Al Muqdadiya W.T.P.	350	11		S.C	1500
03-02-00239	=	Old Al Muqdadiya W.T.P.	180	50		S.C	1500
03-02-00240	=	Beni – Saad W.T.P	410	10		S.C	1500
03-02-00241	=	Beni – Saad W.T.P	160	50		S.C	1500
03-02-00242	=	Beni – Saad W.T.P	200	60		S.C	1500
03-02-00243	=	Beni – Saad W.T.P	350	60		S.C	1500
03-02-00244	=	Kanaan W.T.P	200	15		S.C	1500
03-02-00245	=	Kanaan W.T.P (M.S)	65	91		S.C	1500

03-02-00246	=	Kanaan W.T.P	135	75		S.C	1500
03-02-00247	=	Kanaan W.T.P	65	52		S.C	3000
03-02-00248	=	Kanaan W.T.P	360	11		S.C	1500
03-02-00249	Diala	Al Khalis W.T.P	675	35		S.C	1500
03-02-00250	=	Al Khalis W.T.P	780	30		S.C	1500
03-02-00251	Diala	Al Khalis W.T.P	625	30		S.C	1500
03-02-00252	=	Al Khalis W.T.P (M.S)	100	100		S.C	1500
03-02-00253	=	Baquba W.T.P	1050	10		S.C	1500
03-02-00254	=	Baquba W.T.P	600	20		S.C	1500
03-02-00255	=	Baquba W.T.P	300	68		S.C	1500
03-02-00256	=	Baquba W.T.P	420	100		S.C	1500
03-02-00257	=	Baquba W.T.P	420	36		S.C	1500
03-02-00258	=	Baquba W.T.P	300	100		S.C	1500
03-02-00259	=	Khanaqin W.T.P	250	125		S.C	1500
03-02-00260	=	Khanaqin W.T.P	630	12		S.C	1500
03-02-00261	=	Boosting Station	600	70		S.C	1500
03-02-00262	=	Boosting Station	60	50		S.C	3000
03-02-00263	=	Boosting Station	160	50		S.C	1500
03-02-00264	=	Boosting Station	120	82		S.C	1500
03-02-00265	=	Jalwla W.T.P	420	36		S.C	1500
03-02-00266	=	Jalwla W.T.P	400	40		S.C	1500
03-02-00267	=	Jalwla W.T.P	250	70		S.C	1500
03-02-00268	=	Jalwla W.T.P	275	12		S.C	1500
03-02-00269	=	Qura – Taba W.T.P	312	30		S.C	1500
03-02-00270	=	Qura – Taba W.T.P	86	68		S.C	3000
03-02-00271	=	Qura – Taba W.T.P (M.S)	60	96		S.C	1500
03-02-00272	=	Qura – Taba W.T.P	90	66		S.C	3000
03-02-00273	=	Qura – Taba W.T.P	450	24		S.C	1500
03-02-00274	=	Qura – Taba W.T.P (M.S)	50	100		S.C	1500
03-02-00275	=	Al Munathraa W.T.P (M.S)	100	100		S.C	1500
03-02-00276	=	Al Tahrer W.T.P	630	20		S.C	1000
03-02-00277	=	Al Tahrer W.T.P	550	36		S.C	1500
03-02-00278	Thiqar	Nasseriah Unified W.T.P	820	20		S.C	1500
03-02-00279	=	Nasseriah Unified W.T.P	796	170		S.C	1500
03-02-00280	=	Nasseriah Unified W.T.P	900	30		S.C	1000
03-02-00281	=	Al Shatra W.T.P	575	20		S.C	1500
03-02-00282	=	Al Shatra W.T.P	575	65		S.C	1500

03-02-00283	=	Al Refayi W.T.P	250	50		S.C	1500
03-02-00284	=	Al Refayi W.T.P	300	20		S.C	1500
03-02-00285	=	Al Refayi W.T.P	300	20		S.C	1500
03-02-00286	=	Al Refayi Village W.T.P	125	20		S.C	1500
03-02-00287	=	Al Refayi Village W.T.P	120	40		S.C	1500
03-02-00288	Thiqar	Qalaat Sukkur W.T.P	420	40		S.C	1500
03-02-00289	=	Qalaat Sukkur W.T.P	420	20		S.C	1500
03-02-00290	=	Qalaat Sukkur W.T.P	90	60		S.C	3000
03-02-00291	=	Qalaat Sukkur W.T.P (M.S)	90	100		S.C	1500
03-02-00292	=	Qalaat Sukkur W.T.P	600	20		S.C	1500
03-02-00293	=	Al –Fajer W.T.P	60	40		S.C	1500
03-02-00294	=	Al –Fajer W.T.P	64	20		S.C	1500
03-02-00295	=	Al –Nasir W.T.P	60	40		S.C	1500
03-02-00296	=	Al –Nasir W.T.P	64	20		S.C	1500
03-02-00297	=	Suq Al – Shuqi W.T.P	205	40		S.C	1500
03-02-00298	=	Suq Al – Shuqi W.T.P	120	50		S.C	1500
03-02-00299	=	Wafah Al –Qaid Boosting	600	100		S.C	1500
03-02-00300	=	Garmat –Beni –Saeed W.T.P	60	40		S.C	3000
03-02-00301	=	Garmat –Beni –Saeed W.T.P	64	20		S.C	1500
03-02-00302	=	Al Fahod W.T.P	200	40		S.C	1500
03-02-00303	=	Al Fahod W.T.P	205	30		S.C	1500
03-02-00304	=	Al Dawyia W.T.P	90	20		S.C	1500
03-02-00305	=	Al Dawyia W.T.P	90	40		S.C	1500
03-02-00306	=	Al Baathya W.T.P	200	40		S.C	1500
03-02-00307	=	Al Baathya W.T.P	200	20		S.C	1500
03-02-00308	=	Al Eslah W.T.P	90	40		S.C	1500
03-02-00309	=	Al Eslah W.T.P	90	20		S.C	1500
03-02-00310	=	Old Nasseriah W.T.P	250	30		S.C	1500
03-02-00311	=	Old Nasseriah W.T.P	250	50		S.C	1500
03-02-00312	Salaheldeen	Tikrit W.T.P 2 nd stage	850	41		S.C	1500
03-02-00313	=	Tikrit W.T.P 2 nd stage	750	57		S.C	1500
03-02-00314	=	Old Tikrit W.T.P	450	60		S.C	1500
03-02-00315	=	Old Tikrit W.T.P	400	40		S.C	1500
03-02-00316	=	Al Ougi W.T.P	200	25		S.C	1500

03-02-00317	=	Al Ougi W.T.P	120	60		S.C	1500
03-02-00318	=	Al Ailam W.T.P	250	30		S.C	1500
03-02-00319	=	Al Ailam W.T.P (M.S)	60	60		S.C	1500
03-02-00320	=	New Al Dor W.T.P	430	25		S.C	1500
03-02-00321	=	New Al Dor W.T.P	414	50		S.C	1500
03-02-00322	=	New Al Dor W.T.P	300	80		S.C	1500
03-02-00323	Salaheldeen	Old Al Dor W.T.P	250	50		S.C	1500
03-02-00324	=	Old Al Dor W.T.P	60	40		S.C	3000
03-02-00325	=	Al – Sharqid W.T.P	350	25		S.C	1500
03-02-00326	=	Al – Sharqid W.T.P	225	40		S.C	1500
03-02-00327	=	Al – Sharqid W.T.P	120	100		S.C	3000
03-02-00328	=	Al – Sharqid W.T.P	288	25		S.C	1500
03-02-00329	=	Al – Sharqid W.T.P	288	40		S.C	1500
03-02-00330	=	Old Al – Sharqid W.T.P	150	25		S.C	1500
03-02-00331	=	Old Al – Sharqid W.T.P	96	30		S.C	1500
03-02-00332	=	Al – Sharqid Villiage W.T.P	350	25		S.C	1500
03-02-00333	=	Al – Sharqid Villiage W.T.P	120	100		S.C	3000
03-02-00334	=	Al – Sharqid W.T.P No. (2)	210	25		S.C	1500
03-02-00335	=	Al –Sharqid W.T.P No. (2)	144	40		S.C	1500
03-02-00336	=	Al –Fairs W.T.P	95	20		S.C	1500
03-02-00337	=	Al –Fairs W.T.P	95	60		S.C	1500
03-02-00338	=	Al –Tarmiyah W.T.P	90	20		S.C	1500
03-02-00339	=	Al –Tarmiyah W.T.P	90	50		S.C	1500
03-02-00340	=	Old Dozz W.T.P	180	80		S.C	1500
03-02-00341	=	Samarra W.T.P	800	60		S.C	1500
03-02-00342	=	Samarra W.T.P	450	50		S.C	1500
03-02-00343	=	Al –Fairs W.S.S	1495	15		S.C	1500
03-02-00344	=	New Balad W.T.P	250	20		S.C	1500
03-02-00345	=	Ishaqi – Uthrap W.T.P	130	30		S.C	1500
03-02-00346	=	Ishaqi – Uthrap W.T.P	90	60		S.C	1500
03-02-00347	=	Ishaqi – Uthrap W.T.P	360	102		S.C	1500
03-02-00348	=	Ishaqi – Uthrap W.T.P	420	82		S.C	1500
03-02-00349	=	Ishaqi – Uthrap W.T.P	575	20		S.C	1500

03-02-00350	=	Balad W.S.S.	250	25		S.C	1500
03-02-00351	=	Balad W.S.S.	500	25		S.C	1500
03-02-00352	=	New Al –Thoayia W.S.S	250	25		S.C	1500
03-02-00353	=	Old Al –Thoayia W.S.S	250	25		S.C	1500
03-02-00354	=	New Al –Thoayia W.S.S	210	45		S.C	1500
03-02-00355	=	Old Al –Thoayia W.S.S	210	45		S.C	1500
03-02-00356	Baghdad	Old Madain W.T.P.	264	68		S.C	1500
03-02-00357	=	Old Madain W.T.P.	264	12		S.C	1500
03-02-00358	=	New Madain W.T.P.	900	17		S.C	1500
03-02-00359	=	Al Rashidya W.T.P	780	14		S.C	1500
03-02-00360	=	Al –Muhmodia W.T.P.	1050	15		S.C	1500
03-02-00361	=	Al –Muhmodia W.T.P.	1000	37		S.C	1500
03-02-00362	=	Al –Muhmodia B.S.	500	15		S.C	1500
03-02-00363	=	Al- Lateffai W.T.P	300	15		S.C	1500
03-02-00364	Baghdad	Al- Lateffai W.T.P	300	9		S.C	1500
03-02-00365	=	Al- Lateffai W.T.P	100	30		S.C	1500
03-02-00366	=	Al-Rashida W.T.P	183	11		S.C	1500
03-02-00367	=	Al-Rashida W.T.P	800	17		S.C	1500
03-02-00368	=	Al-Rashida W.T.P	450	55		S.C	1500
03-02-00369	=	Al-Rashida W.T.P	195	60		S.C	1500
03-02-00370	=	Al-Rashida W.T.P	150	58		S.C	1500
03-02-00371	=	Al-Rashida W.T.P	735	40		S.C	1500
03-02-00372	=	Al-Rashida W.T.P	600	12		S.C	1500
03-02-00373	=	Al-Nahrawin Boosting	500	80		S.C	1500
03-02-00374	=	Al-Nahrawin Boosting	1000	85		S.C	1500
03-02-00375	Najaf	Najaf W.T.P	2280	196		S.C	1500
03-02-00376	Kerbala	Jadwal Al-Gharbi W.T.P	120	40		S.C	1500
03-02-00377	=	Jadwal Al-Gharbi W.T.P	120	20		S.C	1500
03-02-00378	=	Jadwal Al-Gharbi W.T.P	60	40		S.C	3000
03-02-00379	=	Jadwal Al-Gharbi W.T.P	60	20		S.C	1500
03-02-00380	=	Boosting Station	1200	42		S.C	1500
03-02-00381	=	Project No. (7)	1400	17		S.C	1000

03-02-00382	=	Project No. (7)	1350	50		S.C	1000
03-02-00383	=	Project No. (7)	540	9		S.C	1000
03-02-00384	=	Ain –Tamer Boosting Station	350	100		S.C	1500
03-02-00385	=	Al-Uriba Boosting Station	1200	40		S.C	1500
03-02-00386	=	Al-Hindaya W.T.P	735	25		S.C	1500
03-02-00387	=	Al-Hindaya W.T.P	445	46		S.C	1500
03-02-00388	=	Al-Hindaya W.T.P	333	60		S.C	1500
03-02-00389	=	Al-Hindaya W.T.P	1200	25		S.C	1500
03-02-00390	=	Al-Hindaya W.T.P	762	30		S.C	1500
03-02-00391	=	Sewage Project	500	30		S.C	1000
03-02-00392	=	Old Al-Hindaya W.T.P	160	25		S.C	1500
03-02-00393	=	Old Al-Hindaya W.T.P	150	60		S.C	1500
03-02-00394	Babil	New –Hilla W.T.P	1600	7		S.C	1000
03-02-00395	taameem	Different Place	540	70		S.C	1500
03-02-00396	=	Different Place	900	30		S.C	1500
03-02-00397	=	Al Zap Unified W.T.P (M.S)	100	80		S.C	1500
03-02-00398	=	Al Zap W.T.P (M.S)	90	100		S.C	1500
03-02-00399	=	Al Zap Village (M.S) W.T.	80	60		S.C	1500
03-02-00400	=	Al Zap Village (M.S) W.T.	85	20		S.C	1500
03-02-00401	=	Al Reyadh Village W.T.	312	20		S.C	1500
03-02-00402	=	Al Reyadh W.T.	200	60		S.C	1500
03-02-00403	=	Al Reyadh W.T.	220	20		S.C	1500
03-02-00404	taameem	Al Abassy w.t.	140	70		S.C	1500
03-02-00405	=	Al Abassy w.t.	160	20		S.C	1500
03-02-00406	=	Al Daquk w.t.p	375	60		S.C	1500
03-02-00407	=	Al Daquk w.t.p	380	20		S.C	1500
03-02-00408	=	Taza W.T.	260	60		S.C	1500
03-02-00409	=	Taza W.T.	280	20		S.C	1500
03-02-00410	=	Hassan Village W.T.	80	20		S.C	1500
03-02-00411	=	Hassan Village W.T.	70	60		S.C	3000
03-02-00412	=	AL-Ton kubry new W.T.	450	90		S.C	1500
03-02-00413	=	AL-Ton kubry new W.T.	1000	90		S.C	1500
03-02-00414	=	Al Toon Kobry W.T.	400	60		S.C	1500
03-02-00415	=	Al Toon Kobry W.T.	420	20		S.C	1500
03-02-00416	=	Al DEBIS W.T.	600	20		S.C	1500
03-02-00417	=	Al DEBIS W.T.	800	20		S.C	1500

03-02-00418	=	Al DEBIS W.T.	600	20		S.C	1500
03-02-00419	=	Al DEBIS W.T.	300	60		S.C	1500
03-02-00420	=	Al DEBIS W.T./3300		500		S.C	1500
03-02-00421	Qadeseaya	Diwaniya W.T. *	1150	17		S.C	1500
03-02-00422	=	Diwaniya W.T. *	1000	16		S.C	1500
03-02-00423	=	Diwaniya W.T. *	225	64		S.C	1500
03-02-00424	=	Diwaniya W.T. *	350	21		S.C	1500
03-02-00425	=	Diwaniya W.T. *	600	10		S.C	1500
03-02-00426	=	Diwaniya W.T. *	1000	53		S.C	1500
03-02-00427	=	Diwaniya W.T. *	300	33		S.C	1500
03-02-00428	=	Diwaniya W.T. *	300	15		S.C	1500
03-02-00429	=	Diwaniya W.T. *	590	17		S.C	1500
03-02-00430	=	Al Shameayah W.T.	425	40		S.C	1500
03-02-00431	=	Al Shameayah W.T.	290	55		S.C	1500
03-02-00432	=	Al Shameayah W.T.	270	53		S.C	1500
03-02-00433	=	Al Shameayah W.T.	261	53		S.C	1500
03-02-00434	=	Al Qammas W.T.	150	40		S.C	1500
03-02-00435	=	Al Qammas W.T.	200	20		S.C	1500
03-02-00436	=	Al Bdeer W.T.	150	20		S.C	1500
03-02-00437	=	Al Bdeer W.T.	90	40		S.C	1500
03-02-00438	=	Al Dagara W.T.	300	24		S.C	1500
03-02-00439	=	Al Dagara W.T. (M.S)	90	84		S.C	3000
03-02-00440	=	Al Dagara W.T. (M.S)	150	73		S.C	1500
03-02-00441	Nenewa	Al-Mousel right bank w.t	1440	35		S.C	1500
03-02-00442	=	Al-Mousel right bank w.t	1380	90		S.C	1500
03-02-00443	=	Al-Mousel right bank w.t	1380	60		S.C	1500
03-02-00444	=	Al-Mousel right bank w.t	960	60		S.C	1500
03-02-00445	=	Al-Mousel lift bank w.t	1000	30		S.C	1500
03-02-00446	=	Al-Mousel lift bank w.t	960	60		S.C	1500
03-02-00447	=	Al-Mousel lift bank w.t	1190	80		S.C	1500
03-02-00448	=	Al-Mousel lift bank w.t	1190	53		S.C	1500
03-02-00449	=	Al-Mousel lift bank w.t	1000	80		S.C	1500
03-02-00450	=	Al-Mousel lift bank w.t	130	55		S.C	1500
03-02-00451	=	Hamam Al-Alel W.T.P	200	40		S.C	1500
03-02-00452	=	Hamam Al-Alel W.T.P	250	20		S.C	1500
03-02-00453	=	Al-Hather W.T.P	300	190		S.C	1500
03-02-00454	=	Al-Hather W.T.P	350	75		S.C	1500
03-02-00455	=	Al-Baijaj W.T.P	150	20		S.C	1500
03-02-00456	=	Makhmor W.T.P	400	50		S.C	1500
03-02-00457	=	Makhmor W.T.P	60	70		S.C	1500
03-02-00458	=	Makhmor W.T.P	100	120		S.C	1500
03-02-00459	=	Makhmor W.T.P	200	20		S.C	1500
03-02-00460	=	Al-Hamdanya W.T.P	200	60		S.C	1500
03-02-00461	=	Al-Hamdanya W.T.P	600	40		S.C	1500
03-02-00462	=	Al-Hamdanya W.T.P	210	35		S.C	1500
03-02-00463	Nenewa	Al-Shikan W.T.P	90	30		S.C	1500
03-02-00464	=	Rabia a W.T.P	150	20		S.C	1500
03-02-00465	=	Tal Akaif W.T.P (M.S)	100	255		S.C	1500
03-02-00466	=	Tal Akaif W.T.P	100	20		S.C	1500

03-02-00467	=	Tal Akaif W.T.P (M.S)	600	180		S.C	1500
03-02-00468	=	Tal Akaif W.T.P (M.S)	200	116		S.C	1500
03-02-00469	=	Tal Akaif W.T.P	1200	47		S.C	1500
03-02-00470	=	Singaar W.T.P	60	80		S.C	1500
03-02-00471	=	Hamadit W.T.P	90	30		S.C	1500
03-02-00472	=	Hamadit W.T.P	60	40		S.C	1500
03-02-00473	=	Hamadit W.T.P	90	50		S.C	1500
03-02-00474	=	Hamadit W.T.P	60	40		S.C	1500
03-02-00475	=	Zemar W.T.P	61	36		S.C	1500
03-02-00476	=	Zemar W.T.P (M.S)	210	25		S.C	1500
03-02-00477	=	Al-Kaira W.T.P	144	30		S.C	1500
03-02-00478	=	Al-Kaira W.T.P	144	50		S.C	1500
03-02-00479	=	Al-Kaira W.T.P	60	30		S.C	1500
03-02-00480	=	Al-Shora W.T.P	300	40		S.C	1500
03-02-00481	=	Al-Shora W.T.P	144	30		S.C	1500
03-02-00482	=	Al-Shora W.T.P	280	80		S.C	1500
03-02-00483	=	Al-Shora W.T.P	50	75		S.C	1500
03-02-00484	=	Al-Rashidya w.t.p	150	15		S.C	1500
03-02-00485	=	Al-Rashidya w.t.p	100	15		S.C	1500
03-02-00486	=	Al-Rashidya w.t.p (M.S)	100	100		S.C	1500
03-02-00487	=	Tal afer W.T.P	1050	15		S.C	1500
03-02-00488	=	Tal afer W.T.P	850	115		S.C	1500
03-02-00489	=	Tal afer W.T.P	250	200		S.C	1500
03-02-00490	=	Tal afer W.T.P	300	18		S.C	1500
03-02-00491	=	Tal afer W.T.P	600	125		S.C	1500
03-02-00492	=	Tal afer W.T.P	90	50		S.C	1500
03-02-00493	=	Tal afer W.T.P	300	50		S.C	1500
03-02-00494	=	Tal afer W.T.P (M.S)	240	150		S.C	1500
03-02-00495	=	Tal afer W.T.P(M.S)	60	140		S.C	1500
03-02-00496	=	Al-Hamadanya W.T.P	720	30		S.C	1500
03-02-00497	=	Al-Hamadanya W.T.P	900	165		S.C	1500
03-02-00498	=	Al-Hamadanya W.T.P	120	40		S.C	1500
03-02-00499	=	Al-Hamadanya W.T.P	180	90		S.C	1500
03-02-00500	=	Al-Hamadanya W.T.P	780	52		S.C	1500
03-02-00501	=	Al-Hamadanya W.T.P	500	40		S.C	1500
03-02-00502	=	Gir –Gaber W.T.P (M.S)	150	125		S.C	1500
03-02-00503	=	Gir –Gaber W.T.P	150	20		S.C	1500
03-02-00504	=	Gir –Gaber W.T.P (M.S)	90	90		S.C	1500
03-02-00505	=	Gir –Gaber W.T.P (M.S)	90	100		S.C	1500
03-02-00506	=	Gir –Gaber W.T.P	90	30		S.C	1500
03-02-00507	=	Gir –Gaber W.T.P	150	30		S.C	1500
03-02-00508	Nenewa	Al – Quraj W.T.P	400	35		S.C	1500
03-02-00509	=	Al – Quraj W.T.P	200	150		S.C	1500
03-02-00510	=	Al – Quraj W.T.P	90	60		S.C	1500
03-02-00511	=	Al – Quraj W.T.P (M.S)	150	100		S.C	1500
03-02-00512	=	Al-Kware W.T.P	550	40		S.C	1500
03-02-00513	=	Al-Kware W.T.P	180	70		S.C	1500
03-02-00514	=	Al-Kware W.T.P (M.S)	90	100		S.C	1500
03-02-00515	=	Al-Dindin W.T.P	650	60		S.C	1500

03-02-00516	=	Al-Dindin W.T.P	45	15		S.C	1500
03-02-00517	=	Al-Kware W.T.P	900	8		S.C	1000
03-02-00518	=	Al-Kware W.T.P (M.S)	100	200		S.C	1500
03-02-00519	=	Dabaka W.T.P(M.S)	75	200		S.C	1500
03-02-00520	=	Tal a fer W.T.P(M.S)	250	200		S.C	1500
03-02-00521	=	Tal a fer W.T.P(M.S)	150	200		S.C	1500
03-02-00522	=	Makhmor W.T.P (M.S)	150	200		S.C	1500
03-02-00523	=	Makhmor W.T.P	100	60		S.C	1500
03-02-00524	=	Makhmor W.T.P (M.S)	100	125		S.C	1500
03-02-00525	=	Makhmor W.T.P	200	20		S.C	1500
03-02-00526	=	Makhmor W.T.P (M.S)	400	160		S.C	1500
03-02-00527	=	Qadissia Boosting Station	200	35		S.C	1500
03-02-00528	=	Boosting Station inside r	400	50		S.C	1500
03-02-00529	=	Boosting Station inside r	90	60		S.C	1500
03-02-00530	=	Boosting Station inside r	400	60		S.C	1500
03-02-00531	=	Boosting Station inside r	144	40		S.C	1500
03-02-00532	=	Boosting Station inside r	500	60		S.C	1500
03-02-00533	=	Boosting Station inside r	500	50		S.C	1500
03-02-00534	=	Boosting Station inside r	60	40		S.C	1500
03-02-00535	=	Boosting Station inside r	400	50		S.C	1500
03-02-00536	=	Boosting Station inside r	500	60		S.C	1500
03-02-00537	=	Boosting Station inside r	640	80		S.C	1500
03-02-00538	=	Boosting Station inside r	500	60		S.C	1500
03-02-00539	=	Boosting Station inside r	400	50		S.C	1500
03-02-00540	=	Boosting Station inside r	500	50		S.C	1500
03-02-00541	Nenewa	Boosting Station inside r	250	40		S.C	1500
03-02-00542	=	Boosting Station inside r	20	40		S.C	1500
03-02-00543	=	Boosting Station inside r	144	60		S.C	1500
03-02-00544	=	Boosting Station inside r	200	60		S.C	1500
03-02-00545	=	Boosting Station inside r	600	50		S.C	1500
03-02-00546	=	Boosting Station inside r	250	60		S.C	1500
03-02-00547	=	Boosting Station inside r	300	60		S.C	1500
03-02-00548	=	Adnania / Dabaka	400	120		S.C	1500
03-02-00549	=	=	200	50		S.C	1500
03-02-00550	=	=	200	145		S.C	1500
03-02-00551	Anbar	Ramadi W.T.P	1000	68		S.C	1500
03-02-00552	=	New Ramadi W.T.P	300	20		S.C	1500
03-02-00553	=	Al-Fallaja W.T.P	700	80		S.C	1500
03-02-00554	=	Old Al-Fallaja W.T.P	350	50		S.C	1500
03-02-00555	=	Al-Namaia W.T.P	250	50		S.C	1500
03-02-00556	=	Unified Heet –Kabasia w	350	60		S.C	1500
03-02-00557	=	Kabasia W.T.P	150	160		S.C	1500
03-02-00558	=	Unified Heet –Kabasia w	60	53		S.C	1500
03-02-00559	=	Unified Heet w.t.p	30	61		S.C	1500
03-02-00560	=	Unified Heet Village w.t.	210	51		S.C	1500
03-02-00561	=	Old Heet w.t.p	250	40		S.C	1500
03-02-00562	=	Old Heet w.t.p	250	60		S.C	1500
03-02-00563	=	Yogaslive W.T.P	200	60		S.C	1500
03-02-00564	=	Al-Frait W.T.P	150	60		S.C	1500
03-02-00565	=	Al-Karma W.T.P	700	50		S.C	1500
03-02-00566	=	Al-Karhol Line	320	57		S.C	1500
03-02-00567	=	Al-Samah line	240	62		S.C	1500
03-02-00568	=	Al-Karma W.T.P	600	10		S.C	1500

03-02-00569	=	Al-Karma W.T.P	750	60		S.C	1500
03-02-00570	=	West –desert W.T.P	700	190		S.C	1500
03-02-00571	=	West –desert W.T.P	700	171		S.C	1500
03-02-00572	=	West –desert W.T.P	600	200		S.C	1500
03-02-00573	=	West –desert W.T.P	600	132		S.C	1500
03-02-00574	=	West –desert W.T.P	600	250		S.C	1500
03-02-00575	=	West –desert W.T.P& Al	375	70		S.C	1500
03-02-00576	=	Deferent Sites	1000	70		S.C	1500
03-02-00577	=	Rawa W.T.P	200	70		S.C	1500
03-02-00578	=	Rawa W.T.P	180	90		S.C	1500
03-02-00579	=	Rawa W.T.P	150	70		S.C	1500
03-02-00580	Anbar	Rawa W.T.P	180	80		S.C	1500
03-02-00581	=	Al-Tharther W.T.P	105	150		S.C	1500
03-02-00582	=	Al-Tharther W.T.P	50	100		S.C	1500
03-02-00583	=	Al-Tharther W.T.P	75	100		S.C	1500
03-02-00584	=	Al-Tharther W.T.P	75	75		S.C	1500
03-02-00585	=	Al-Eabadey W.T.P	60	20		S.C	1500
03-02-00586	=	Al-Eabadey W.T.P	100	80		S.C	1500
03-02-00587	=	Al-Ratiba W.T.P	150	100		S.C	1500
03-02-00588	=	Al-Habaniya W.T.P	100	55		S.C	1500
03-02-00589	=	Al-Habaniya W.T.P	72	40		S.C	1500
03-02-00590	=	Al-Habaniya W.T.P	216	40		S.C	1500
03-02-00591	=	Anna W.T.P	470	50		S.C	1500
03-02-00592	=	Al-Ramadiy W.T.P	1050	20		S.C	1500
03-02-00593	=	Al-Ramadiy W.T.P	350	20		S.C	1500
03-02-00594	=	Al-Falloja W.T.P	500	40		S.C	1500
03-02-00595	=	Al-Falloja W.T.P	410	20		S.C	1500

TOTAL

**Section -10 -
Ball Bearing**

Code	Gov. name	Ball Bearing no.	Qty.
03-02-00596	Nenewa	29324	
03-02-00597	=	6026	
03-02-00598	=	7317	
03-02-00599	=	6317	
03-02-00600	=	6224	
03-02-00601	=	7224	
03-02-00602	=	6226	
03-02-00603	=	7310	
03-02-00604	=	7312	
03-02-00605	=	7313	
03-02-00606	=	6316	
03-02-00607	=	6318	
03-02-00608	=	6319	
03-02-00609	=	6320	
03-02-00610	=	6322	
03-02-00611	=	N4 224 E	
03-02-00612	=	N3 22N	
03-02-00613	=	N 312 E	
03-02-00614	=	N4 322	
03-02-00615	=	N4 317	
03-02-00616	=	N4 318	
03-02-00617	=	N4 319	

03-02-00618	=		6220
03-02-00619	=		6211
03-02-00620	=		7214
03-02-00621	=		6217
03-02-00622	=		6222
03-02-00623	=		6314
03-02-00624	=		6216
03-02-00625	=		6212
03-02-00626	=		6306
03-02-00627	=		6311
03-02-00628	=		6406
03-02-00629	=		6308
03-02-00630	=		6312
03-02-00631	=		6307
03-02-00632	=		6309
03-02-00633	=		6312
03-02-00634	=		6313
03-02-00635	=		6411
03-02-00636	=		6305
03-02-00637	=		6209
03-02-00638	=	N4 215	
03-02-00639	nenewa		3312
03-02-00640	Baghdad		6311
03-02-00641	=		6308
03-02-00642	=		6315
03-02-00643	=		6305
03-02-00644	=		6306
03-02-00645	=		6206
03-02-00646	=		6309
03-02-00647	=		6310
03-02-00648	=		6216
03-02-00649	=		6312
03-02-00650	=		6414
03-02-00651	=		6217
03-02-00652	=		6313
03-02-00653	=		6205
03-02-00654	=		6307
03-02-00655	=	6313 C3	
03-02-00656	=	N 216 - E CP	
03-02-00657	=	6209 C3	
03-02-00658	=		6314
03-02-00659	=	N 317	
03-02-00660	=	6310 C3	
03-02-00661	Najaf		6311
03-02-00662	=		6322
03-02-00663	=		6319
03-02-00664	=		7314
03-02-00665	=		6314
03-02-00666	=		6212
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03-02-00668	=		6309
03-02-00669	=		6324
03-02-00670	=		6317

03-02-00671	=		6307
03-02-00672	=		6313
03-02-00673	=		6316
03-02-00674	=		6320
03-02-00675	=		6311
03-02-00676	=		6315
03-02-00677	=	313 NU	
03-02-00678	=		315
03-02-00679	Kerbala	MJ 2 1 / 2	
03-02-00680	=		6320
03-02-00681	=		6414
03-02-00682	=		6314
03-02-00683	=	N U 318	
03-02-00684	=		6318
03-02-00685	=		6307
03-02-00686	Kerbala		6306
03-02-00687	=		6206
03-02-00688	=		6308
03-02-00689	=		6310
03-02-00690	=		6307
03-02-00691	=		6311
03-02-00692	=		6312
03-02-00693	=		6411
03-02-00694	AL-Anbar		6410
03-02-00695	=		6305
03-02-00696	=		7311
03-02-00697	=	314 N S	
03-02-00698	=	R M S 14	
03-02-00699	=	R M S 159 / 16	
03-02-00700	=	1 4 3	
03-02-00701	=	1 4 1	
03-02-00702	=		6204
03-02-00703	=		6304
03-02-00704	=		6310
03-02-00705	=		6209
03-02-00706	=		6321
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03-02-00708	=		6318
03-02-00709	=		7321
03-02-00710	=		6224
03-02-00711	=	N S 624	
03-02-00712	=		6315
03-02-00713	=		6312
03-02-00714	=		6307
03-02-00715	=		6306
03-02-00716	=		7310
03-02-00717	=		3301
03-02-00718	=		3310
03-02-00719	=		6000
03-02-00720	=		6205
03-02-00721	=		6206
03-02-00722	=		6308

03-02-00723	=		6309
03-02-00724	=		6311
03-02-00725	=		6300
03-02-00726	=		6312
03-02-00727	=		6313
03-02-00728	=		6406
03-02-00729	=		216
03-02-00730	=		212
03-02-00731	=		309
03-02-00732	=		7320
03-02-00733	AL-Anbar	NU 320	
03-02-00734	=	NU 318	
03-02-00735	=	NU 311	
03-02-00736	=		3311
03-02-00737	Qadissia		6216
03-02-00738	=		6310
03-02-00739	=	6314 ZZ	
03-02-00740	=	6216 Z Z	
03-02-00741	=	6312 2 R S	
03-02-00742	=		6211
03-02-00743	=	N U - 22125	
03-02-00744	=		3211
03-02-00745	=	6315 / C3	
03-02-00746	=	N U 2305	
03-02-00747	=	56207 NA	
03-02-00748	=	FG 207	
03-02-00749	=	22216 H C	
03-02-00750	=	NU P 309 E N	
03-02-00751	=	63062 Z	
03-02-00752	=		30207
03-02-00753	=	6308 2 R S	
03-02-00754	=	6317 C 3	
03-02-00755	=	6320 C 3	
03-02-00756	=		6321
03-02-00757	=	N 321	
03-02-00758	=		6217
03-02-00759	=	N 217	
03-02-00760	=		6309
03-02-00761	=		6311
03-02-00762	=		6316
03-02-00763	=		6305
03-02-00764	=		6414
03-02-00765	=		6313
03-02-00766	=	N U 316	
03-02-00767	=	N U 314	
03-02-00768	=	NU 2220	
03-02-00769	=	6220 C3	
03-02-00770	=	7316 B	
03-02-00771	=	N U 320	
03-02-00772	=	23026 E S	
03-02-00773	=	29426 E	
03-02-00774	=		31315
03-02-00775	=	2316 NU	

03-02-00776	=		23230
03-02-00777	=	22316 C	
03-02-00778	=	24152 C	
03-02-00779	=	24136 C	
03-02-00780	Qadissia	7310 B	
03-02-00781	=	7310 C3	
03-02-00782	=	7312 C3	
03-02-00783	Tameem		6310
03-02-00784	=		6309
03-02-00785	=		6308
03-02-00786	=		6307
03-02-00787	=		6311
03-02-00788	=		6305
03-02-00789	=		6306
03-02-00790	=		6315
03-02-00791	=		6322
03-02-00792	=		6210
03-02-00793	=		6312
03-02-00794	Mesaan		6305
03-02-00795	=		6306
03-02-00796	=		6308
03-02-00797	=		6309
03-02-00798	=		6310
03-02-00799	=		6311
03-02-00800	=		6411
03-02-00801	=		6410
03-02-00802	=		6314
03-02-00803	=		6315
03-02-00804	=		6316
03-02-00805	=		6317
03-02-00806	Muthana	6312 C3	
03-02-00807	=		7314
03-02-00808	=	N 314	
03-02-00809	=	6308 C3	
03-02-00810	=	1 1 4	
03-02-00811	=	N 1 1 / 4	
03-02-00812	=	N U 222	
03-02-00813	=		6217
03-02-00814	=		6306
03-02-00815	=		6308
03-02-00816	=		6312
03-02-00817	=		6305
03-02-00818	=	G 204	
03-02-00819	=		6212
03-02-00820	=		6208
03-02-00821	=		6206
03-02-00822	=		6315
03-02-00823	=		6316
03-02-00824	=		6317
03-02-00825	=	7314 B	
03-02-00826	=	314 N	
03-02-00827	Muthana	222 N	
03-02-00828	=		6309

03-02-00829	=		6310
03-02-00830	=		6307
03-02-00831	Basrah	692 Z1	
03-02-00832	=	6407 Z2	
03-02-00833	=	6211 Z2	
03-02-00834	=	6410 Z2	
03-02-00835	=	6314 Z2	
03-02-00836	=	6309 Z2	
03-02-00837	=	6294 Z2	
03-02-00838	=	6313 Z2	
03-02-00839	=	6308 Z2	
03-02-00840	=	6209 Z2	
03-02-00841	=	6305 Z2	
03-02-00842	=	6210 Z2	
03-02-00843	=	6310 Z2	
03-02-00844	=	6306 Z2	
03-02-00845	=	6406 Z1	
03-02-00846	=	6311 Z2	
03-02-00847	=	6312 Z2	
03-02-00848	=	214 N	
03-02-00849	=	6307 Z2	
03-02-00850	=	6315 Z2	
03-02-00851	=	6206 Z2	
03-02-00852	=	6205 Z2	
03-02-00853	=	6202 Z2	
03-02-00854	=	6203 Z3	
03-02-00855	Wasit		6305
03-02-00856	=		6306
03-02-00857	=		6307
03-02-00858	=		6308
03-02-00859	=		6309
03-02-00860	=		6310
03-02-00861	=		6311
03-02-00862	=		6312
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03-02-00867	=		6317
03-02-00868	=		6318
03-02-00869	=		6319
03-02-00870	=		6320
03-02-00871	=		6205
03-02-00872	=		6206
03-02-00873	=		6207
03-02-00874	Wasit		6208
03-02-00875	=		6209
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03-02-00877	=		6211
03-02-00878	=		6212
03-02-00879	=		6213
03-02-00880	=		6214
03-02-00881	=		6215

03-02-00882	=		3305
03-02-00883	=		3306
03-02-00884	=		3307
03-02-00885	=		3308
03-02-00886	=		3309
03-02-00887	=		3310
03-02-00888	=		3311
03-02-00889	=		3312
03-02-00890	=		3313
03-02-00891	=		3314
03-02-00892	=		3315
03-02-00893	=		3316
03-02-00894	=		3317
03-02-00895	=		3318
03-02-00896	=		3319
03-02-00897	=		3320
03-02-00898	=		7305
03-02-00899	=		7306
03-02-00900	=		7307
03-02-00901	=		7308
03-02-00902	=		7309
03-02-00903	=		7310
03-02-00904	=		7311
03-02-00905	=		7312
03-02-00906	=		7313
03-02-00907	=		7314
03-02-00908	Diala		6308
03-02-00909	=		6315
03-02-00910	=		6309
03-02-00911	=		6305
03-02-00912	=		6207
03-02-00913	=		6209
03-02-00914	=		6307
03-02-00915	=		6310
03-02-00916	=		6312
03-02-00917	=		6313
03-02-00918	=		6409
03-02-00919	=		6306
03-02-00920	=	R MS 14	
03-02-00921	Diala		6216
03-02-00922	=		6204
03-02-00923	=		6316
03-02-00924	=		6206
03-02-00925	=		6208
03-02-00926	=	633 L Z	
03-02-00927	=		6410
03-02-00928	=		6304
03-02-00929	=	R M S 10	
03-02-00930	=	R M S 12	
03-02-00931	Salaheldeen		6305
03-02-00932	=		6307
03-02-00933	=		6308
03-02-00934	=		6311

03-02-00935	=		6313
03-02-00936	=		6315
03-02-00937	=		6317
03-02-00938	=		6318
03-02-00939	=		6319
03-02-00940	=		6406
03-02-00941	=		6411
03-02-00942	=		6312
03-02-00943	=	N U 317	
03-02-00944	=	N U 319	
03-02-00945	=	NU 322	
03-02-00946	=	N U 318	
03-02-00947	=		6205
03-02-00948	=		6208
03-02-00949	=		6210
03-02-00950	=		6212
03-02-00951	=	N U 315	
03-02-00952	=	R M S 10	
03-02-00953	=	R M S 16 / 15	
03-02-00954	=	2 R S 6309	
03-02-00955	=	2 R S 6307	
03-02-00956	=	2 R S 6306	
03-02-00957	=	2 R S 6308	
03-02-00958	=	M J I 3 / 4	
03-02-00959	=	N U 319	
03-02-00960	=	N U 219	
03-02-00961	=		7316
03-02-00962	=	N 212	
03-02-00963	=	N 313	
03-02-00964	=		6310
03-02-00965	=		6309
03-02-00966	=		6314
03-02-00967	=		6308
03-02-00968	Salaheldeen		7309
03-02-00969	=		7310
03-02-00970	=		7311
03-02-00971	=		7312
03-02-00972	=		7314
03-02-00973	=	N 324	
03-02-00974	=		6306
03-02-00975	=	N U 312	
03-02-00976	=		6313
03-02-00977	=	N U 215	
03-02-00978	=	N U 216	
03-02-00979	=	1 3 / 4	
03-02-00980	=		6317
03-02-00981	=		6206
03-02-00982	=	R M S 14	
03-02-00983	=	M Z T 13 / 19	
03-02-00984	=	6319 NU	
03-02-00985	=	6318 NU	
03-02-00986	Thiqar		6004
03-02-00987	=		6206

03-02-00988	=		6305
03-02-00989	=		6306
03-02-00990	=		6307
03-02-00991	=		6308
03-02-00992	=		6309
03-02-00993	=		6310
03-02-00994	=		6311
03-02-00995	=		6312
03-02-00996	=		6313
03-02-00997	=		6314
03-02-00998	=		6315
03-02-00999	=		6316
03-02-01000	=		6317
03-02-01001	=		6207
03-02-01002	=		6208
03-02-01003	=		6209
03-02-01004	=		6210
03-02-01005	=		6215
03-02-01006	=		6217
03-02-01007	=		6406
03-02-01008	=		6405
03-02-01009	=		3318
03-02-01010	=		2211
03-02-01011	=		22320
03-02-01012	=	N U 320 / C3	
03-02-01013	=	N U 318	
03-02-01014	=		3216
03-02-01015	Thiqar		3313
03-02-01016	=		220
03-02-01017	=	N U 218	
03-02-01018	=		217
03-02-01019	=		7317
03-02-01020	=		216
03-02-01021	=		23026
03-02-01022	=		32318
03-02-01023	=		2317
03-02-01024	=		7411
03-02-01025	=		6416
03-02-01026	=		7320
03-02-01027	=		2209
03-02-01028	=		7409
03-02-01029	=	N 319	
03-02-01030	=		6319
03-02-01031	=	N 207	
03-02-01032	=	N 205	
03-02-01033	=		6318
03-02-01034	=		6324
03-02-01035	=		2307
03-02-01036	=		6328
03-02-01037	=		3211
03-02-01038	=		6211
03-02-01039	=		6212
03-02-01040	=		5305

03-02-01041	=	6034
03-02-01042	=	1305
03-02-01043	=	3406
03-02-01044	=	6320

total

SECTION 11
Mobile work shop truck

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

SECTION 12
Amphibious dredger

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

Section - 13 -
Wheel Loader (Shovels)

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

SECTION 14
Fork lift

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

SECTION 15
Lorry and trailer

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

TOTAL

SECTION 16
Cars for transport employeres

Code	Description	
03-02-01058	Gasoline (Benzen), manual gear , capacity 21 passangers , with spare parts.	

03-02-01059	Benzine engine , manual gear , capacity 14 passangers , with spare parts.	
03-02-01060	Desil engine , manual gear , capacity 40 passangers , with spare parts.	
	Total	

**SECTION 17
pick up - Cars**

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

**Section -18-
Compressors with jack -Hammer**

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

**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	
03-02-01069	=	Al-Ashar Sewage B.S.	50	20	
03-02-01070	=	Al-Basrah Sewage B.S.	125	20	
03-02-01071	=	Al-Fao Sewage T. P	250	15	
03-02-01072	=	Al-Basrah Sewage T. P.	500	15	
03-02-01073	=	Al-Meaqale W.T.P	50	20	
03-02-01074	Mesan	Mesan Sewage T.P	500	20	
03-02-01075	Thiqar	Al-Naserea Sewage T.P	500	20	
03-02-01076	=	Al-Nasereya Sewage Boosting Station	250	20	
03-02-01077	=	Al-Nasereya Sewage Boosting Station	500	20	
03-02-01078	Salaheldeen	Tikreat Sewage T.P	250	12	
03-02-01079	=	Tikreat Sewage T.P	500	12	
03-02-01080	Najaf	Al-Najaf Sewage Station	500	15	



03-02-01081	Al-Tameem	Al-Zab W.T.P	250	15	
03-02-01082	=	Al-Reayadh W.T.P	250	15	
03-02-01083	=	Al-Reayadh W.T.P	250	30	
03-02-01084	=	Al-Haweaga W.T.P	250	15	
03-02-01085	=	Al-Abbas W.T.P	250	15	
03-02-01086	=	Different W.T.P	250	15	
03-02-01087	Baghdad	Water Treatment Projects	50	10	
03-02-01088	Al-Gov.	Water & Sewage Projects	500	10	
03-02-01089	=	Water & Sewage Projects	125	30	
03-02-01090	=	Water & Sewage Projects	250	15	

TOTAL

**SECTION -20-
Vertical Pumps**

Code	Gov. Name	Project Name	Q (m3/hr)	H (m)	R.P.M.	Shaft length (m)	Suc.dia. mm	Del. dia. mm
03-02-01091	Basrah	C Sewage lifting station	1100	30	1450	2.1	300	250
03-02-01092		Basrah Sewage T.P	180	7.2	720	4.9	150	150
03-02-01093		Basrah unified w.t.p.*	1025	20	1480	6.2		
03-02-01094		Sewage station No. 14	900	20	1450	2.3	300	250
03-02-01095		Sewage station No. 3	250	7	1450	1.75	200	150
03-02-01096		Sewage station No.6& No.9	450	7	1450	2.25	250	200
03-02-01097		Sewage station No.6& No.9	900	9	1450	2.25	300	250
03-02-01098		Sewage station No.16 &17	3000	12	980	2.45	500	500
03-02-01099		The 25 AQUA CU.*	1025	15	1480	6.2		350
03-02-01100	Thiqar	Area Sew. Station	500	10	970	5.1	250	200
03-02-01101	=	Nasseriah main sewage lifting stat.	1700	10	735	6.15	400	350
03-02-01102	=	Nasseriah main sewage lifting stat.	4000	10	585	4.6	600	550
03-02-01103	=	Nasseriah Sewa. T.P	250	20	970	7.2	250	200
03-02-01104	=	Nasseriah Sewa. T.P	1000	10	975	direct link (Noshaft)	300	250
03-02-01105	=	Nasseriah Sewa. T.P	500	10	970	direct link (Noshaft)	250	200
03-02-01106	=		1080	20	900			
03-02-01107	=		360	20	900			
03-02-01108	Thiqar		720	20	900			
03-02-01109	=		540	20	900			
03-02-01110	=	Sewage station	180	20	900			
03-02-01111	=	Sewage station	1800	20	900			
03-02-01112	Najaf	AL-Najaf sew. Project	1746	11.5	980			
03-02-01113		AL-Najaf sew. Project	90	12	960			
03-02-01114		AL-Najaf sew. Project	162	12.5	1450	motor direct coupled to the pump		
03-02-01115		New Water T.P	1630	12	950			

03-02-01116	AL-Muthana	ALQitar Boosting Station	100	34	2900				
03-02-01117	Nenewa	AL-Mosul (left bank)* w.t.p.	2200	40	900	13.39		500	500
03-02-01118	=	AL-Mosul (left bank)* w.t.p.	2200	40	998			500	500
03-02-01119	=	Dindan W.T.P	450	15					
03-02-01120	=	Left bank W.T.P	1600	10	1450				
03-02-01121			435	20	1500				
03-02-01122	Babil	Hilla sew. T.P	180	20	1500	motor direct coupled to the pump			
03-02-01123	=	Sewage station	4140	16	1500				
03-02-01124	Qaddisyia	Diwanya Sewage	432	18	1475			10	225
03-02-01125	=	Qaddisyia Sewage	325	14	970			225	150
03-02-01126	Salahdeen	Brawjly Borehole	50	132	2900				
03-02-01127		Brawjly W.T.P	50	40	2900				
03-02-01128		Brawjly Borehole	50	132	2900				

total

(*) : 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	
03-02-01130	75	0.4	
03-02-01131	100	0.4	
03-02-01132	150	0.4	
03-02-01133	250	0.4	
03-02-01134	400	0.4	
03-02-01135	500	0.4	
03-02-01136	650	0.4	
03-02-01137	850	0.4	
03-02-01138	1000	0.4	
03-02-01139	A-1250	0.4	
	B-1500	0.4	
03-02-01140	1650	11 *	
03-02-01141	2000	11 *	
03-02-01142	3500	11 *	

TOTAL

* 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	
03-02-01144	8	
03-02-01145	10	
03-02-01146	12	
03-02-01147	16	
03-02-01148	18	
03-02-01149	20	
03-02-01150	22	

03-02-01151	25	
03-02-01152	Tie wire	

TOTAL

SECTION 23

Cotton And Rubber Rein Forced 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	
03-02-01154	2-Ditto but with size 100mm.	
03-02-01155	3-Ditto but with size 160mm.	
03-02-01156	4-Ditto but with size 200mm.	
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)	
03-02-01158	6-Ditto but size 160 mm.	

total

28000 ml

Section -24 -

Wireless System for water supply scheme

Code	Governorate name	Project name
03-02-01159	Najaf	af /Kufa Water Supply Secheme
03-02-01160	Basrah	or 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-Ishaqi
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 Moqdadia
03-02-01176	Diala	Khanakeen –monthria
03-02-01177	Diala	Jelwia
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	Althirthar
03-02-01184	Babil	New Hilla
03-02-01185	Kerbala	Project 7 nessian
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
	Ductile iron pipes Thrust resistance Joint (locked -Joint) complete with		
03-02-01196	a- 1000 mm dia		
03-02-01197	b- 900 mm dia		
03-02-01198	c- 800 mm dia		
03-02-01199	d- 700 mm dia		
03-02-01200	e- 600 mm dia		
03-02-01201	f- 500 mm dia		
03-02-01202	g- 450 mm dia		
03-02-01203	h- 400 mm dia		
03-02-01204	i- 350 mm dia		
03-02-01205	j- 300 mm dia		
03-02-01206	k- 250 mm dia		
03-02-01207	l- 200 mm dia		
03-02-01208	m- 150 mm dia		
03-02-01209	n- 100 mm dia		

Total

Section - 26 -
compact Unit

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

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	Safty 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	
03-02-01215	2- Ditto (800)mm dia.	
03-02-01216	3- Ditto (900)mm dia.	
03-02-01217	4- Ditto (1000)mm dia.	
03-02-01218	5- Ditto (1200)mm dia.	
03-02-01219	6- Ditto (1400)mm dia.	
03-02-01220	7- Ditto (1600)mm dia.	
03-02-01221	8- Ditto (1100)mm dia.	
03-02-01222	9- Ditto (1500)mm dia	

Total

**SECTION 29
EXCAVATER**

Code	Description	Qty No.
03-02-01223	A- Backhoe loaders	
03-02-01224	B-Wheel excavater	
03-02-01225	C-Grawler excavater	

Total

**SECTION 30
Dumpers**

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

**SECTION 31
Battries and battry charger**

Code	Description	Qty No.
03-02-01227	Battries acid must be dry :-	
	60 A 10-12 cell	
	90 A 15 cell	
	135 A 20 cell	
	180 A 25 cell	

Total

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

**SECTION 32
Tyers**

All Tyres should be polyester (nylon) and steel

Code	Description	Qty No.
03-02-01229	Tyers :-	
	1- 1200 x 20 PR 18 with tube and auxelaries	
	2- 1100 x 20 PR 18 with tube and auxelaries	
	3- 1000 x 20 PR 16 with tube and auxelaries	
	4- 900 x 20 PR 16 with tube and auxelaries	
	5- 750 x 16 PR 12 with tube and auxelaries	
	6- 700 x 16 PR 12 with tube and auxelaries	
	7- 650 x 16 PR 12 with tube and auxelaries	
	8- 650 x 14 PR 8 with tube	
	9- 185 x 14 PR 8 with tube	
	10- 195 x 14 PR 8 with tube	
	11- 700 x 15 PR 10 with tube and auxelaries	
	12- 600 x 8 PR 15 with tube and auxelaries	
	13- 600 x 10 PR 15 with tube and auxelaries	
	14- 1200 x 24 with tube and auxelaries	
	15- 17.5 x 25 with tube and auxelaries	
	16- 900 x 20 Smooth pr 16 with tube and auxelaries	
	17- 1300 x 24 (agriculture type) with tube and auxelaries	
	18- 20.5 x 25 (agriculture type) with tube and auxelaries	
	19- 185 x 15 (agriculture type) with tube and auxelaries	
	20- 175 x 13 (agriculture type) with tube and auxelaries	

- 21-1400 x 24
- 22- 16.9 x 28
- 23- 15.5 x 38

Total

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	
03-02-01231	Super ban cars	
Total		

**SECTION -34-
Carbage collection vehicles**

Code	Description	
03-02-01232	Carbage collection vehicles	

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

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

**SECTION - 36 -
WATER TANKER**

Code No.	Description	
03-02-01235	16000 Litters drinking water tanker	
03-02-01236	10000 Litters Drinking water tanker	
03-02-01237	fire extingusher vehicle with (6000 – 8000) litter water tanker	
Total		

**SECTION - 37 -
Tractor with truck**

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

**SECTION - 38 -
Grader**

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

**SECTION -39-
BULLDOZER TRACTOR**

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

**SECTION -40-
PAVER FINISHER**

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

**Spare part for (Volvo , Cater pillar, 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	
	2-	3T 8706	Glow plus	
	3-	4N 0360	Glow plug	
	4-	4N 3181	Motor	
	5-	4N 6116	Pump	
	6-	4N 7692	Crank shift	
	7-	4N6860	cartridge	
	8-	5N8501	Head cylinder	
	9-	6N9915	Valve	
	10-	6N9916	Valve	
	11-	7N0128	Oil cooler	
	12-	7N0165	Oil cooler	
	13-	7N0449	Nozzele	
	14-	8N8220	Bearing	
	15-	8N8222	Bearing	
	16-	7N2177	Pump	
	17-	7N7750	Cartridge	
	18-	8N1188	Head cylinder	
	19-	8N1831	Nozzele	
	20-	8N3102	Piston	
	21-	8N3182	Piston	
	22-	8N5511	Cartridge	
	23-	8N7005	Nozzele	
	24-	8N8221	Bearing	
	25-	8N8225	Bearing	
	26-	8N8796	Nozzele	
	27-	2P1262	Guide	
	28-	7S9404	Ring	
	29-	6V2209	Kit casket	
	30-	1W1818	Valve	
	31-	1W1819	Valve	
	32-	1W6753	Compressor	
	33-		810498 Pump	
	34-	2P8889	Liner	
	35-	9S3068	Ring	
	36-	4W0788	Pump	
	37-	1U3953	Cartridge	
	38-	2P0484	Champer	
	39-	3G7658	Cartridge	
	40	8N8223	Bearing	
	41	8N8226	Bearing	
	42	8N8224	Bearing	
	43	2W6091	Ring	
	44	6V2971	Kit casket	
	45	9S1059	Kit casket	
	46	6N7527	Planger	
	47	5D9553	Cutting edge	
	48	7N2834	Kit repair	
	49	3T278	Motor	

50	1U330	Tip
51	8S3970	Champer
52	6V292	Kit casket
53	6V2972	Kit casket
54	4W2448	Oil pump
55	5S7232	Valve
56	5S6452	Valve
57	6N9294	Alternator
58	5P9218	Kit casket
59	5P9225	Kit casket
60	5P9226	Kitcasket
61	8N1984	Rod
62	8N7924	Bearing
63	8N7933	Bearing
64	2P0661	Pump
65	4N7977	Shaft
66	4N7978	Shaft

Spare Part Of Volvo Cars

Code	Item.	p.No.	Des.
03-02-01243	1-	275036	Cylinder. Liner Kit
	2-	275551	Gasket Kit cylinder head
	3-	275531	Complemntary kit engin over haul
	4-	275304	Piston ring Kit
	5-	467517	Oil pump
	6-	275570	Oil pump Kit
	7-	270100	Big end bearing Kit
	8-	270439	Main bearing Kit
	9-	270101	Big end bearing Kit
	10-	270440	Main bearing Kit
	11-	467915	Water pump
	12-	275615	Water pump Kit
	13-	423125	Pulley
	14-	467466	Fule injection. pump
	15-	243083	Fuel Feed pump
	16-	240808	pump unit
	17-	240423	Delivery valve
	18-	243742	Delivery valve relainer
	19-	76703	Hand pump
	20-	238896	Nozzle
	21-	467369	Turbo charge
	22-	240340	Start motor
	23-	240488	Solenoid switch
	24-	240493-	Starter solenide
	25-	1578140	Alternator
	26-	244343	Diode plate
	27-	244426	Carbon brush Kit
	28-	244340	Rotor
	29-	267143	Clutch
	30-	267236	Clutch Disk
	31-	1526047	Drive plate
	32-	267156	Release. bearing
	33-	1581204	Master cylinder

34-	273660 Repair Kit
35-	1526523 Clutch servo
36-	273447 Repair Kit
37-	232367 Centre bearing
38-	1587787 Hydraulic pump
39-	1695596 Plate
40-	1695592 Shaft
41-	1695594 Rotor Kit
42-	1695545 Rotor Kit
43-	1502201 Hub 24 "
44-	1588406 Screw
45-	362166 Nut
46-	1584340 Roller bearing
47-	184088 Roller bearing
48-	1587792 Seal ring
49-	1581604 Screw
50-	1504951 Relay

Spare Part Of Fouen Cars

Code	Item.	p.No.	Des.
03-02-01244	1-		Clutch Disk
	2-		Cover Assy – Clutch
	3-		Bearing Clutch
	4-		Water Pump
	5-		Starter
	6-		Alternator
	7-		Clutch cover runing
	8-		Regulator
	9-		Regulator
	10-		Oil pump
	11-		Nozzele
	12-		Nozzele holder
	13-		Injection pump
	14-		Head cylinder
	15-		Crank shift
	16-		Fuel pump
	17-		Feefd pump
	18-		Radiator
	19-		Radiator
	20-		Universal joint
	21-		Cross joint
	22-		Main bearing
	23-		Bearing set connection
	24-		Bearing for universal joint
	25-		Front glass
	26-		Relay
	27-		Relay
	28-		Belt
	29-		Impact absorb resistance
	30-		Back right light
	31-		Back left light
	32-		Hand sign
	33-		Head lamp assy r.h.

34-	Head lamp l.h.
35-	Second front light r. h.
36-	Second front light l.h.
37-	Compressor
38-	Horen
39-	Horen
40-	Gauge
41-	Gauge
42-	Gauge
43-	Gauge
44-	Gauge
45-	Gauge
46-	Water pump l.f.
47-	Side Wipper
48-	Middle wipper
49-	Valve
50-	Vacume
51-	Silender
52-	Starter
53-	Alternator
54-	Side mirror
55-	Fuel filter
56-	Oil filter
57-	Bearing
58-	Plate
59-	Pully
60-	Circuler light
61-	Pully
62-	Pump
63-	Switch
64-	Switch
65-	Main switch
66-	Hydraulic plug
67-	Hydraulic plug
68-	Hydraulic plug
69-	Hydraulic plug
70-	Hydraulic plug
71-	Set Belt
72-	Cover for fuel tank
73-	Radiator
74-	Motor
75-	Hydraulic motor
76-	Valve
77-	Light
78-	Hydraulic hose
79-	Wire seclator
80-	Bush

A. Spare Part Of Hino Cars KB 422

Code	Item.	p.No.	Des.
03-02-01245	1-		Clyinder head
	2-		Crank
	3-		Oil pump

4-	Gasket
5-	Compressor
6-	Alternator
7-	Startor
8-	Ring Set
9-	Bearing
10-	Signal hand
11-	Ring
12-	Bearing
13-	Vacum pump
14-	Boostar
15-	Injection. Pump
16-	Element
17-	Front glass
18-	Bush
19-	Disc clutch
20-	Cover assy –clutch
21-	Cylinder clutch master
22-	Piston for cylinder clutch
23-	Bearing clutch
24-	Piston for engine
25-	Engine gasket over haul
26-	Nozzel
27-	Feed pump
28-	Pump base plat
29-	Seal for vaccum pump
30-	Engine assy sub
31-	Engine assy short
32-	Water pump
33-	Impeller for water pump
34-	Cross joint
35-	Plate for universal joint
36-	Air valve
37-	Set of bush for com shaft
38-	Bush for connection rod
39-	Set of o-ring for cylinder bush
40-	Front glass

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B. Spare Part Of Hino Cars ZM model 1981

ode	Item.	Des.	Qty./No.
03-02-01246	1-	Clyinder head	
	2-	Crank	
	3-	Oil pump	
	4-	Gasket	
	5-	Compressor	
	6-	Alternator	
	7-	Startor	
	8-	Ring Set	
	9-	Bearing	
	10-	Signal hand	
	11-	Ring	
	12-	Bearing	
	13-	Vacum pump	

14-	Boostar
15-	Injection. Pump
16-	Element
17-	Front glass
18-	Bush
19-	Disc clutch
20-	Cover assy –clutch
21-	Cylinder clutch master
22-	Piston for cylinder clutch
23-	Bearing clutch
24-	Piston for engine
25-	Engine gasket over haul
26-	Nozzel
27-	Feed pump
28-	Pump base plat
29-	Seal for vaccum pump
30-	Engine assy sub
31-	Engine assy short
32-	Water pump
33-	Impeller for water pump
34-	Cross joint
35-	Plate for universal joint
36-	Air valve
37-	Set of bush for com shaft
38-	Bush for connection rod
39-	Set of o-ring for cylinder bush
40-	Front glass

C. Spare Part Of Hino Cars KY model 1981

Code	Item.	Des.
03-02-01247	1-	Clyinder head
	2-	Crank
	3-	Oil pump
	4-	Gasket
	5-	Compresser
	6-	Alternator
	7-	Startor
	8-	Ring Set
	9-	Bearing
	10-	Signal hand
	11-	Ring
	12-	Bearing
	13-	Vacum pump
	14-	Boostar
	15-	Injection. Pump
	16-	Element
	17-	Front glass
	18-	Bush
	19-	Disc clutch
	20-	Cover assy –clutch
	21-	Cylinder clutch master
	22-	Piston for cylinder clutch
	23-	Bearing clutch
	24-	Piston for engine

25-	Engine gasket over haul
26-	Nozzel
27-	Feed pump
28-	Pump base plat
29-	Seal for vaccum pump
30-	Engine assy sub
31-	Engine assy short
32-	Water pump
33-	Impeller for water pump
34-	Cross joint
35-	Plate for universal joint
36-	Air valve
37-	Set of bush for com shaft
38-	Bush for connection rod
39-	Set of o-ring for cylinder bush
40-	Front glass

Spare Part Of Kawsaky 70 , 80

Code	Item.	p.No.	Des.	Qty./No.
03-02-01248	1-	YZ 1136102190	Water pump	
	2-	YZ 1811000451	stator	
	3-	YZ 1812001780	Alter nator	
	4-	YZ 9822500720	Cutt out	
	5-	YZ 9812009513	Feed pump	
	6-	YZ 41201210	Kit	
	7-	L010	Kit	
	8-	YZ 1878181649	Oil cooler	
	9-	YZ 1217000841	Fan	
	10-	YZ 210609201	Kit	
	11-		822522 Pump	
	12-	YK1161071100	Pump	
	13-	YK 1189022105	Valve	
	14-	YZ 1125510030	Valve	
	15-	YZ 1125520030	Air compressor	
	16-	YZ 1191000621	Lever	
	17-	05C0151L000	Control	
	18-	05D0191L001	Cylinder	
	19-	53C0441L100	Cylinder	
	20-	53C0451L100	Valve	
	21-	YTU38	Transmisson	
	22-	RIF277T	Torque	
	23-	YKY88271X	Radiator	
		YKY7071X		
		YRS		
		4078100000A		

Spare parts for toyota cars

Code	Item.	Des.	p.No .	Qty./No.
03-02-01249	A	FOR SALOON CAR		
		(Super MS 122 Engin 5M)		
	1	Engin assembly		
	2	Block assy,short	11400-43030	
	3	Gasket kit,overhaul	84111-43021	

4	Gasket kit, valve grind	04112-43021
5	Cylinder Head	11101-49305
6	Bearing set Main STD	11702-45011
7	Bearing set Main 0.25	
8	Bearing set Main 0.50	
9	Bearing set Main 0.75	
10	Bearing set Main 1.00	
11	Bearing set Con STD	
12	Bearing set Con 0.25	
13	Bearing set Con 0.50	
14	Bearing set Con 0.75	
15	Bearing set Con 1.00	
16	Piston set STD	
17	Piston set 0.50	
18	Piston set 0.75	
19	Piston set 1.00	
20	Ring set piston STD	
21	Ring set piston 0.50	
22	Ring set piston 0.75	
23	Ring set piston 1.00	
24	Crank shaft	
25	Cam shaft	
26	Gear- crank shaft	
27	Gear- cam shaft	
28	Valve ,intake (set)	
29	Valve , Exhaust (set)	
30	Gear ,tention	
31	Chain	
32	Gear, pump drive shaft	
33	Tensioner ,chain	
34	Damper	
35	Damper	
36	Pump assy,oil	
37	Water pump	
38	Coupling assy, fluid	
39	Alternator	
40	Regulator	
41	Starter	
42	Clutch, starter	
43	Carburetor assy,	
44	Cover assy, clutch	
45	Disc clutch	
46	Bearing clutch	
47	Cylinder, master (clutch)	
48	Cylinder kit	
49	Cylinder clutch release	
50	Cylinder kit	
51	Transmission 5F, manual	
52	Bearing (Front Hub inner)	
53	Bearing (Front Hub outer)	
54	Hub, Front wheel	
55	Pump assy, vane	
56	Gasket kit pwr/s	

57 Rod, Tie, Rh
58 Rod, Tie, Lh
59 Rod, Tie, Rh , Lh
60 Arm ,steering idler
61 Cylinder master , Brake
62 Cylinder kit master,
63 Carrier, differential
64 Fuel pump
65 Bearing (Rear axle shaft)
66 radiator

B

**Pick up(Engin 3y)
YN 68L- PRMD 5V
Trans/axle G52,G282**

1 Engin partial
2 Short block
3 Gasket kit over haul
4 Gasket kit ,valve drive
5 Cylinder head
6 Gasket cylinder head
7 Gasket head cover
8 Gauge oil level
9 Bearing main STD
10 Bearing main 0.25
11 Bearing main 0.50
12 Bearing main 0.75
13 Bearing main 1.00
14 Bearing Con Rod STD
15 Bearing Con Rod 0.25
16 Bearing Con Rod 0.50
17 Bearing Con Rod 0.75
18 Bearing Con Rod 1.00
19 Piston w/pin STD
20 Piston w/pin 0.50
21 Piston w/pin 0.75
22 Piston w/pin 1.00
23 Ring set ,piston STD
24 Ring set ,piston 0.50
25 Ring set ,piston 0.75
26 Ring set ,piston 1.00
27 Rod connecting
28 Crank shaft
29 Pulley,crank
30 Cear, crank timing
31 Gear ,cam shift
32 Bearing set ,cam shaft
33 cam shaft
34 Valve, intake set
35 Valve , Exhaust,set
36 Lifter ,valve ,set
37 Chain,
38 tensioner
39 Damper, chain
40 Oil pump

41	Pump water
42	Cap radiator
43	Spark plug, set NGK
44	Coil , ignition ND
45	Cord set
46	Alternator, w/outside Regulator
47	Regulator
48	starter
49	Clutch , starter
50	carburator
51	Pump , fuel
52	Fuel filter
53	Cover clutch
54	Disc,clutch
55	Bearing clutch release
56	Master cylinder clutch
57	Cylin, kit, master cylinder
58	Cyl. release
59	Cylinder kit
60	Tranmission , 5f
61	Spider kit
62	Bearing (axle shaft)
63	Bearing , Frt, inner
64	Bearing Frt outer
65	End (Tie rod) RH
66	End (Tie rod) LH
67	Rod ,Tie, LH,RH
68	Rod ,steering relay
69	Master cylinder ,brake
70	Cyl. Kit(master cyl.)
71	Booster, brake
72	Ball joint upper
73	Ball joint Lwr RH
74	Ball joint Lwr LH
75	Absorber shock , Frt
76	Absorber shock Rear
77	Bush lwr arm
78	Bush upper arm
79	Carrier assy – differential
80	Radiator

C

	Pick up Engin 22R
	RN 85L- PRM55 V,
	Trans /axle G52 , G292
1	Engin partial
2	Short block
3	Gasket kit over haul
4	Gasket kit ,valve drive
5	Cylinder head
6	Gasket cylinder head
7	Gasket head cover
8	Gauge oil level
9	Bearing main STD
10	Bearing main 0.25

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

Spare parts for Sakai

Code	Item.	Des.	p.No	Type
03-02-01250	1	Push rod inle	912575-0790	DA120

2	Fan asm	913660-2820	Da 120
3	Connrop-brg.se	912271-1460	DA 640
4	Bearing set –cen	912271-6080	6 BDIT
5	Conn. Rob. Brg	912271- 1210	DA120
6	Pin piston	912211-6040	6 BDIT
7	Piston pin	912211 –0660	DA640
8	Pin piston	912211-0650	DA120
9	Bearing	911693 – 0350	6 BDIT
10	Crank brg. Kit	911510-1360	DA120
11	Liner	911261 – 2880	SV90T
12	V- belt	113671 –1460	DA640
13	Pnnp assy	515750 –0010	6 BDIT
14	Switch assy	581151 – 0360	6 BDIT
15	Repair kit wate	587810 – 0980	6 BDIT
16	Armature	181121-0070	DA640
17	Mageneti switch	181151 – 0470	DA640
18	Generator	181200- 205-0	DA640
19	Starter asm	181211- 0025	DA120
20	Rectifir assy	181219- 0330	DA640
21	= =	181219 –0210	DA120
22		187810-0902	DA120
23	Repair kit	187810- 1421	DA620 +DA120
24	= =	187810- 1638	DA620 +DA120
25	= =	187810-1636	SV 90 T
26	Cooler assy –oil	511280- 0080	6BD1T
27	Pnmp assy –oil	213100 – 0901	6BD1T
28	Liner cyl.	511261- 0130	DA640
29	Stortor assy	181211- 0310	DA640
30	Ring set piston	112121 – 0090	DA640
31	Rod ams – coun.	112230 – 0250	DA120
32	Pump assy	4700- 73000-0	WM7708
33	Loeker assy	4700 – 76003-0	WM7708
34	Relay	4900- 52000-0	TS7409
35	Relay assy	4900- 86000-0	WM7708
36	Regulator	4902-27000-0	DA120
37	Nead ams	111110-0230	6BDIT
38	Nead ams cyl.	111110-3451	DA640
39	= = =	111110-0290	DA640
40	Gasket head	111141-0831	DA640
41	= =	111141-0902	6BDIT
42	Cover assy	111170-9350	6BDIT
43	Packing	111367 –067	DA640-DA120
44	Bearing kit	111510- 0360	6BDIT
45	Piston s.t.d	112111-1221	DA640
46	= =	112111-1261	DA120
47	= =	112111-2401	6BDIT
48	Pump	4203-92000-1	SV60T
49	Master syl.	4400-1500-0	TS7409
50	Repair lit	4400-1554-0	TS7409
51	Booster Assy	4400-16000-1	TS7409
52	Repair kit	4400-16061-0	TS7409
53	= =	4400-23008-0	TS7409
54	Radiator assy	4400-37000-0	TS7409

55	Master syl.	4400-67000-0	TS7409
56	Sylinder assy	4400-81010-0	TS7409
57	Bearing	4400-96000-0	740+WM7708
58	Plate assy	4401-15000-0	= =
59	Lever kit	4401-15010-1	=
60	Cleander assy	4401-46000-0	WM7708
61		4401 – 16000-0	TS7409 +=
62	Radiator	4401-56000-0	=
63	Rod ams conn	112230-0250	DA120
64	= = =	112230-0280	DA640
65	Crank shaft asm	112310-2310	DA120
66	= = =	112310-0940	DA640
67	= = =	112310- 4070	6BDIT
68	Valve	112551 – 0240	=
69	Oil – pump	113100 – 0480	DA640
70	Water pump	113610 –1851	0
71	= = assy	113610 – 3490	6BIT
72	Gasket	114145 –0830	=
73	=	114400 –0470	DA640
74	=	1-114400-0721	6BDIT
75	Gase ass – turb	114410-0030	DA640
76	Rotor ass – turb	1144450 –0030	=
77	Pump asm – inj.	115600-0362	DA120
78	Pump assy –inj.	115600-8470	6BDIT
79	Printing pump assy	11561- 0010	6BDIT-DA120+ DA640
80	Lement assy	121723 – 0192	DA640
81	Starter	181100-0432	DA120+ DA640
82	=	181100- 1910	6BDIT
83	Brush	181116 – 0430	=
84	Diff. Assy	4404 –88001-0	SV90 T
85	Redator assy	4404 –89000-1	=
86	= =	4404 –89001-1	SV91 T
87	Valve	4407 – 61001-5	=
88	Cooler – assy	4404 – 89009-0	=
89	Radiator assy	4407 – 82000-1	=
90	Canvas	4700 – 01000-0	TS 7409
91	=	4700 – 03000-0	WM7708
92	Pump assy	4700 –10000-2	TS7409
93	Packing	4700-10028-0	=
94	Canvas	4700-65000-0	SV90T
95	=	28150- 1320	TS740
96	Switch assy	28150-1050	=
97	Motor assy	28100-1090	=
98	Generator assy	27020 –1100	WM7708
99	Pump assy fuel	22560-1350	DM100
100	Plug – glow	982513-9282	DM100
101	Ring set	13011-1350	DM100
102	Bearing set –st	13201-1140	DM100
103	Piston s /s	13216-1120	DM100
104	Crank –shaft ass	13400-1650	DM100
105	Gear assyidler	13505-1020	DM100
106	Rod sub –assy	13708-1070	DM100
107	Pump – assy	16100-1420	DM100

108	Fun sup-assy	16306-1510		DM100	
109	Plug heater		19110	DM100	
110	Pump assy –fuel	22030-1070		DM100	
111	Pump –priming	22509-1090		DM100	
112	Bearing set –st-	11701-1170		DM100	
113	Liner cyl. Sys.	11467-1440		DM100	120
114	Generator	982200-4851		DA120	
115	Clow plug	982511-9940		DA640	
116	Feed pump ass		9813500611	DA640	
117	Injection	981200-09442		DA640	
118	Piston	919161-0110		DA120	
119	Air compressor	919100-0963		DA120	
120	Screw	915345-0040		DA120	
121	Seal ring	914149-6530		DA640	
122	Gasket	915339-0560		DA120	
123	Water outer	913711-3300		DA640	
124	Gasket	914145-0530		DA120	
125	Pump	4403-87000-0		SV25	
126	Mission assy	0606-21001-0		WM7708	
127	Mission assy	0759-21007-0		TS7409	
128	Shawaclever assy	0759-21008-0		=	
129	Shaft assy	0759-39002-0		=	
130	Plate	1026-21185-1		WM7708	
131	Shaft	1726-21008-0		=	
132	Control level	2409-00270-0		=	
133	Roller chain	2440-14070-1		TS7409	
134	Roller chain	2440-16076-1		WM7708	
135	V – belt	2447-02041-0		=	
136	V – belt	2447-12040-0		SV90T	
137	Roller bearing	2513-32213-1		TS7409	
138	Thermometer	2801-00100-0		WM7708+4	
139	Speed meter	2806-00050-1		TS7409	
140	Thermometer	2801-30100-1		WM7708	
141	Starting switch	2820-0002-1		SV91+SV90	
142	Starting switch	2820-0001-1		SV25	
143	جھيوس ٿرؤج	2820-0002-1		WM7708	
144	Mirror	2874-00200-1		WM7708	
145	Pattery termina	2891-00016-3		WM7708+SV25+SV90T	
146	Bearing	3521-32001-0		WM7708 + TS7409	
147	Pump	4203-87000-0			
148	Eingine assy	4020-00000-0		DA640	
149	Water pump	16100-1161			

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 assembluy
Transmission manuel
Carrier differential
Torque converter
Starter
Alternator
Cabratior assy

Couplen Universal joint
 Fuel pump
 Cylinder master brake
 Radiator
 Gasket kit over hual
 Front glasses
 Nozzel
 Water pump

B

LORRY MARCEDS

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

**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		
	2	Engin assy - short		
	3	Gasket kit over haul		
	4	Gasket kit valve grind		
	5	Sensor -crank shaft		
	6	Switch, oil pressure		
	7	Knock sensor		
	8	Timing case, front		
	9	Oil filter		
	10	Oil seal , front timing case		
	11	Oil seal . rear engin		
	12	Cylinder head		
	13	Oil seal , cam shaft		
	14	Sensor , hall		
	15	Gasket- cyl. head		
	16	Bearing set, main 0.25		
	17	Bearing set, main 0.50		
	18	Bearing set, main 0.75		
	19	Bearing set, con 0.25		
	20	Bearing set, con 0.50		
	21	Bearing set, con 0.75		
	22	Crank shaft		
	23	Sprocket- crank shaft		

24	Pully – dumper
25	Ring set- piston STD
26	Ring set- piston 0.25
27	Ring set- piston 0.50
28	Ring set- piston 0.75
29	Piston and pin /set STD
30	Piston and pin /set 0.25
31	Piston and pin /set 0.50
32	Piston and pin /set 0.75
33	Piston and pin /set 1.00
34	Plat -drive
35	Valve set exhauste
36	Valve set intake
37	Seal –valve stem\ set
38	Cam shaft
39	Sprocket –cam shaft
40	Belt –valve timing
41	Pump coolant
42	Motor –radatiator coolant fan
43	Radiator
45	Filter air cleaner
46	Sensor – air flow
47	Pump – fuel
48	Filter – fuel
49	Injector – fuel /set
50	Sensor- throttle position
51	Switch ,throttle body idle
52	Spark plag (a) set
53	Coil - ignitiqn
54	Cable set – spark plug
55	Starter motor MTA
56	Starter motor ATA
57	Switch starter
58	Clutch –over running
59	Armature, starter
60	Holder – brush
61	Generator -assy
62	Bearing –Gen –Front
63	Rotor –Gen
64	Starter –Gen
65	Bearing –Gen -rear
66	Rectifire –Gen
67	Regulator
68	Disc –clutch
69	Cover assy,clutch
70	Bearing-clutch release
71	Fork -release
72	Cylinder –clutch master
73	Cylinder kit
74	Cylinder clutch release
75	Trans axle –manual
76	Trans axle-automatic
77	Cable shift

78	Torque converter
79	Seal kit trans/auto
80	Disc –front clutch
81	Disc - rear clutch
82	Band
83	Bearing – front wheel /hub
84	Hub –front wheel
85	Disc –front wheel
86	Ball joint
87	Shock absorber ,front
88	Shock absorber ,rear
89	Pump steering
90	End ,tie rod
91	Caliper ,RH ,brak
92	Caliper ,LH ,brak
93	Seal kit , caliper
94	Cylinder ,master brake
95	Seal kit , master
96	Booster ,brake
97	Lamp assy rear , LH
98	Lamp assy rear , RH
99	Head lamp assy LH
100	Head lamp assy RH
101	Control module, ATA
102	omputer assy, ECM engin
103	Map sensor
104	Relay , ECM control
105	Drive shaft ,LH,RH
106	Front glass

Spare parts for oldes mobil cars

Code	Item.	Des.	p.No.	Qty./No.
03-02-01253	1	Engin assy –sub		
	2	Cylinder –block ,short		
	3	Piston set ,STD		
	4	Piston set ,0.50		
	5	Ring set piston STD		
	6	Ring set piston 0.50		
	7	Bearing main ,set STD		
	8	Bearing main ,set 0.25		
	9	Bearing main ,set 0.50		
	10	Bearing main ,set 0.75		
	11	Bearing set , con STD		
	12	Bearing set , con 0.25		
	13	Bearing set , con 0.50		
	14	Bearing set , con 0.75		
	15	Crank shaft		
	16	Sprocket , crank shaft		
	17	Sprocket , cam shaft		
	18	Damper ,chain		
	19	Chain , timing		
	20	Cam shaft		

21	Valve ,Ex set STD
22	Valve ,In set ,STD
23	Lifter ,hydro set
24	Gasket-(head)
25	Gasket kit –overhaul
26	Gasket kit –valve grind
27	Oil pump
28	Tensinsor ,chain
29	Mount ,engin front
30	Mount , trans RR
31`	Mount trans FR
32	Head cyl inder
33	Bushing –cam shaft
34	Spark plug set
35	ECM
36	Coil –ignition
37	Wire –HT set
38	Module –ignition
39	TPS sensor
40	Map sensor
41	I.A.C. motor
42	Coolant temp sensor
43	Crank sensor
44	Relay –fuel pump
45	Relay –coolant fant
46	Relay-AIC
47	alternator
48	Starter motor
49	Motor – coolant
50	Fuel pump –electric
51	In line fuel fillter
52	Injector –fuel set
53	Master –cylinder brake
54	Seal kit –master cyl.
55	Pump –power steering
56	Gear housing –powerlts
57	Trans axle AIT
58	Torque convertor
59	Absorber – front
60	Shock absorber -rear
61	Insulator, front shock
62	Insulator, rear shock
63	Water pump
64	Siprentin belt
65	Belt tensioner
66	Front wheel hub with bearing
67	rear wheel hub with bearing
68	Front drive shaft LH
69	Front drive shaft RH
70	Radiator
71	AC compressor

Spare parts for chevrolet (G.M.C)

Code

Item.

p.No.

Des.

03-02-01254

- 1- Engine assembly
- 2- Transmission manual
- 3- Carrier differential
- 4- Universal joint
- 5- Starter
- 6- Alternator
- 7- Cabrator assy
- 8- Cover assy , clutch
- 9- Disc clutch
- 10- Bearing (clutch release)
- 11- Delco
- 12- Fuel pump
- 13- Pump assy ,vane
- 14- Cylinder master brake
- 15- Power brake
- 16- Radiator
- 17- Gasket kit ,overhaul
- 18- Cylinder head
- 19- Water pump
- 20- Cross joint
- 21- Cylinder master clutch with kit
- 22- Cylinder master clutch with kit

Spare parts for Land cruiser

Code
03-02-01255

- | Item. | p.No. | Des. |
|-------|-------|---------------------------------|
| 1- | | Engine assembly |
| 2- | | Transmission manual |
| 3- | | Carrier differential |
| 4- | | Universal joint |
| 5- | | Starter |
| 6- | | Alternator |
| 7- | | Cabrator assy |
| 8- | | Cover assy , clutch |
| 9- | | Disc clutch |
| 10- | | Bearing (clutch release) |
| 11- | | Delco |
| 12- | | Fuel pump |
| 13- | | Pump assy ,vane |
| 14- | | Cylinder master brake |
| 15- | | Power brake |
| 16- | | Radiator |
| 17- | | Gasket kit ,overhaul |
| 18- | | Cylinder head |
| 19- | | Water pump |
| 20- | | Cross joint |
| 21- | | Cylinder master clutch with kit |
| 22- | | Cylinder master clutch with kit |

Spare parts for EVA lory

Code	Item.	p.No.	Des.
03-02-01256			

Spare parts for WAZ LORY

Code	Item.	p.No.	Des.
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03-02-01257			
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**SECTION(42)
Traffic Light Equipment**

Code No.	Description		
03-02-01258	controlled of intersections by traffic light system		
	each intersection include the following 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 cabinet diesel enging, 1100 x 20 tyers size , 2 No. of battries , 135 am 4No. jack with spare parts .	
	capacity 20 ton	
	capacity 30 ton	
	capacity 50 ton	
	total	

**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	
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	
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	

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
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 m3/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)
03-02-01266	1.5.2	Bearing bush. part (54.50). Dimension (109/127x100). Material (Silicon-Carbid)
03-02-01267	1.5.3	Deflector. Part NO. (50.10). Dimension (00/146x16). Material (ULTRAMID)
03-02-01268	1.5.4	Impiller. Part NO. (23.00). Dimension (LA667x77). Material (1.4408)
03-02-01269	1.5.5	Shaft screw. Part NO.(90.42). Dimension (M10x20). Material (A4-70)
03-02-01270	1.5.6	Shaft sleeve. Part NO. (52.30).Dimension (91/109x100). Material (Silicon -Carbid)
03-02-01271	1.5.7	Shaft sleeve. Part NO. (52.40). Dimension (A86/95x170). Material (1.4021.05)

SECTION 45
UPVC Pipes & fittings
for maintenance of the networks

Code	Description
03-02-01272	Supplying U.P.V.C pipes (315) mm dia. of tyton-joint with rubber rings. 10 bar
03-02-01273	Ditto but (280)mm. dia. 10 bar
03-02-01274	Ditto but (225)mm. dia. 10 bar
03-02-01275	Ditto but (160)mm. dia. 10 bar
03-02-01276	Ditto but (110)mm. dia. 10 bar
03-02-01277	Ditto but (90)mm. dia. 10 bar
03-02-01278	Supplying U.P.V.C pipes (400) mm dia. of tyton-joint with rubber rings. 6 bar
03-02-01279	Holes drill machine for diameter 1/2", 3/4" ,1" to drill the upvc pipes complete with accessories
03-02-01280	1- All socket tees complets with eubber rings. 10 bar for dia (315x315)mm
03-02-01281	2- Ditto for dia (315x280)mm
03-02-01282	3- Ditto for dia (315x225)mm
03-02-01283	4- Ditto for dia (315x160)mm
03-02-01284	5- Ditto for dia (315x110)mm
03-02-01285	6- Ditto for dia (280x280)mm
03-02-01286	7- Ditto for dia (280x225)mm
03-02-01287	8- Ditto for dia (280x160)mm
03-02-01288	9- Ditto for dia (280x110)mm
03-02-01289	10- Ditto for dia (225x225)mm
03-02-01290	11- Ditto for dia (225x160)mm
03-02-01291	12- Ditto for dia (225x110)mm
03-02-01292	13- Ditto for dia (225x90)mm
03-02-01293	14- Ditto for dia (160x160)mm
03-02-01294	15- Ditto for dia (160x110)mm

03-02-01295	16- Ditto for dia (160x90)mm			
03-02-01296	17- Ditto for dia (110x110)mm			
03-02-01297	18- Ditto for dia (110x90)mm			
03-02-01298	19- Ditto for dia (90x90)mm			
	Two end socket bend complete with rubber rings(10)bar as below:			
03-02-01299	1-900 bend for 315 mm dia			
03-02-01300	2- 450 bend for 315 mm dia			
03-02-01301	3- 221/2 bend for 315 mm dia			
03-02-01302	4- 900 bend for 280mm dia			
03-02-01303	5- 450 bend for 280 mm dia			
03-02-01304	6- 221/2 bend for 280 mm dia			
03-02-01305	7-900 bend for 225 mm dia			
03-02-01306	8- 450 bend for 225mm dia			
03-02-01307	9- 221/2 bend for 225 mm dia			
03-02-01308	10-900 bend for 160 mm dia			
03-02-01309	11- 450 bend for 160mm dia			
03-02-01310	12-900 bend for 110 mm dia			
03-02-01311	13- 450 bend for 110mm dia			
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			
03-02-01313	Ditto (900)mm dia			
03-02-01314	Ditto (800)mm dia			
03-02-01315	Ditto (700)mm dia			
03-02-01316	Ditto (600)mm dia			
03-02-01317	Ditto (500)mm dia			
03-02-01318	Ditto (400)mm dia			
03-02-01319	Ditto (315)mm dia			
03-02-01320	Ditto (250)mm dia			
03-02-01321	Ditto (200)mm dia			
03-02-01322	Ditto (160)mm dia			
03-02-01323	Ditto (110)mm dia			
03-02-01324	Ditto (80)mm dia			
03-02-01325	Ditto (50)mm dia			
03-02-01326	Supplying (200 x 110) mm dia UPVC tee junction 6 bar			
03-02-01327	Ditto (250 x 110)mm dia			
03-02-01328	Ditto (300 x 110)mm dia			
03-02-01329	Ditto (110 x 500)mm dia			
03-02-01330	Ditto (110 x 600)mm dia			
03-02-01331	Ditto (160 x 4000)mm dia			
03-02-01332	Ditto (160 x 315)mm dia			
03-02-01333	Ditto (160 x 400)mm dia			
03-02-01334	Stoppers (110) mm dia			
03-02-01335	Ditto (160)mm dia			
03-02-01336	Ditto (110× 160)			
03-02-01337	Ditto (160 x 160) mm dia			
03-02-01338	Ditto (160 × 200)			
03-02-01339	Ditto but (200)mm diameter			
03-02-01340	UPVC tee janchon pipes (400 x 100)mm dia			
03-02-01341	Ditto (200 x 150)mm dia			
03-02-01342	Ditto (250 x 150)mm dia			
03-02-01343	Ditto (300 x 150)mm dia			
03-02-01344	Ditto (400 x 150)mm dia			
03-02-01345	Ditto (500 x 150)mm dia			
03-02-01346	Ditto (600 x 150)mm dia			

03-02-01347	Ditto (150 x 150)mm dia		
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**SECTION 46
FIRE EXTINGUISHER FOAM**

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

**SECTION 47
EQUIPMENT FOR COMPRESSED AIR**

Code	Description	
03-02-01349	Filling compressed air apparatus:-	
	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 :	
	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. Main 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 CRUSIER**

Code	Description	
03-02-01351	Land crusier with 4 doors & spare parts	
03-02-01352	Land crusier with 2 doors & spare parts	
	TOTAL	

SECTION 49

Fuel tanker

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

SECTION 50

Command fire fighting vehicle

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

Section (51)

Road Marking Machines

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

Section (52)

Traffic Safety Materials

Code No.	Item	Description	Qty.
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 .	
		B. yellow color .	
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 .	
		B. yellow color .	
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 .	
		B. yellow color .	
03-02-01360	4	road studs (reflective pavement marker) size 22 x 10 x4.5 cm ,one face reflective :	
		A. white color .	
		B. yellow color .	
03-02-01361	5	conventional epoxy adhesive (one or tow - component) required to sticks and firmly to pavement of the above mentioned	
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 .	
		B. cones with height of 70 cm .	

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	
	2	Input / output card ICO1	
	3	Input / output card ICO2	
	4	Data memory C100 , C210	
	5	Triger pulse unit TPU , TPC	
	6	Oscillator card CMOC	
	7	Fault memory CMMC	
	8	Logic card CMLC	
	9	contractor KV	
	10	contractor KR	
	11	Lamp switch LSU	
	12	control card program CCL	
	13	Fuses F 6.3 A	
	14	Hand held terminal (HHTTY) for controller type FMTC	

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)	
	2	Processor board PB80 (9586-141-88010)	
	3	Conflict monitor unit CMU (9586-127-00310)	
	4	Flasher unit 2F(9586- 952-02100)	
	5	Flash transfer unit FTUMK2 (9586-126- 01750)	
	6	Power supply unit 1823- 5/5/24 PSU - 5/5/24(9586-912-02010)	
	7	Transformer unit 1829-9 TR9 (9586-912-01010)	
	8	Transformer unit 1830-9 TRU(9586-912-01210)	

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)	
	2	Processor road PB80-2 (9586-141-88200)	
	3	Aspect monitoring and diagnostics 8 AMDS (9586-129-00100)	
	4	Presence detector 86 AA205 (9584-813-09710)	
	5	Power supply unit 5 and 5V PSU 5/5/0.3 (9586-129-04100)	
	6	Power supply unit 8V PE 1806/20 (9586-912-02211)	
	7	Power supply unit 5V PE 1112/10(9415-011-12011)	
	8	Power supply unit 24V PE 1114/01 (9415-011-14011)	
	9	Input/Output timer /RAM board 10TR (9586-127-24100)	
	10	Detector power supply DPS24V	
	11	Filter Z11	
	12	Band 1 T Roll ¾	
	13	Band 1 T Buckles ¾	
	14	Band 1 T Tool	
	15	Hand held teltype (HHTTY)	

**Section - 54
Spareparts For Road Marking
Machine Type (Zindel Universal - 21)**

Code No.	Item	Description	Qty.
03-02-01366	1	Bulb set cp1. With bilux	
	2	Bulb set f. working lamps	
	3	Bulb set f. beacon lamps	
	4	Glass f. beacon lamps	
	5	Fuses (8, 16, 25A)	
	6	Electric control switch	
	7	Head lamp glass , left	

8	Head lamp glass , right	
9	Blinker glass left	
10	Blinker glass right	
11	Blinker CPI. left	
12	Blinker CPI. Right	
13	Rear lamp CPI. left	
14	Rear lamp CPI. Right	
15	Wiper balde	
16	Wiper arm	
17	Rear view mirror	
18	Tank cover	
19	Inter come system	
20	carrier wheel CPI	
21	Type f. suoot	
22	Wheel (Aiming device)	
23	Type f. support wheel	
24	(Aiming device)	
25	Type for mercedes	
26	Wiper motor .	
27	Support wheel CPI. (Aiming device) .	
28	Container f. brake fluid	
29	Main brake cylinder .	
30	Differential gear f. rear axle .	
31	Exterior front wheel	
32	Bearing	
33	Speedo meter cable .	
34	Ignition switch	
35	Air filter insert	
36	Oil filter insert .	
37	fuel pump .	
38	Water pump .	
39	Carburetor	
40	Voltage regulator .	
41	Generator .	
42	Radiator Assy .	
43	Starter .	
44	distributor CPI.	
45	Conact set .	
46	Ignition plug	
47	Gasket F. cylinder head	
48	Engine gasket set	
49	Muffler CPI. (silecer + pipe)	
50	Oil pan gasket	
51	Liquid clutch cpl (hydro-trawsn)	
52	Oil filter F. autom	
53	Diaphragm F. hot air .	

54	Electrical main jet	
55	Air regulator	
56	Ignition plug V W	
57	Contact set V W .	
58	Distributor V W .	
59	Distributor cap V W .	
60	Carburettor V W .	
61	Starter V W .	
62	Fuel pump V W .	
63	Generator V W .	
64	Ignition switch V W .	
65	Ignition coil V W .	
66	V-belt V W .	
67	Pulley V W .	
68	Oil filter cap V W	
69	Fuel tank cap V W .	
70	Air filter compressor	
71	Paint tank / stirrer .	
72	Paint tank / gasket	
73	tank exit gasket	
74	Gasket for manhole	
75	Gasket set for stirrer	
76	Free wheel	
77	Pneumatic cylinder for stirrer	
78	Manometer	
79	Safety valve	
80	Paint cock	
81	M of tecalan hose , pu-4	
82	Sleeve nut F. tecalan hose	
83	3-path cock	
84	Main paint hose	
85	Pressure regulator	
86	Hand switch for spray gun	
87	Repair set for pressure regulator	
88	Signal lamp 12 v/125 w .	
89	Fuses	
90	Manometer	
91	Quick coupling	
92	Magnetic valve	
93	Repair sets for Magnetic valve .	
94	Magnetic coil	
95	Meter cv-tube 12mm dia .	
96	Back pressure valve	
97	Meter tecalan hose 4mm dia	

98	sets of cutting rings , 12mm solvent tank	
99	Gasket for solvent tank	
100	Safety valve ¼ .	
101	Solvent .	

Hand Spray Gun :

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

Hoses and connections :

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

Marking Head :

Code No.	Item	Description	Qty.
03-02-01369	118	Spray gun zsepl. With control cylinder .	
	119	Ring nut	
	120	Paint nozzle	
	121	Orifice	
	122	Air nozzle (G.77) .	
	123	Paint needle 7 dia .	
	124	Teflon valve	
	125	O-Ring	
	126	Valve sleeve	
	127	Valve spring	
	128	Needle spring	
	129	Air connection	
	129	Needle screw plug	
	130	Plug	
	131	Adjuster nut	
	132	Nut	

133	O-Ring	
134	O-Ring	
135	Needle protection	
136	O-Ring	
137	Needle packing	
138	Set of standard part	

SECTION 55
Rescue vehicle (van)

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

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

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

Section (57)
Tyre-Steel Roller Compactor

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

Section (58)
Pneumatic-Tyred Roller

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

Section (59)
Foot Sheep Vibratory Roller

Code No.	Description	Qty.
03-02-01374	Foot Sheep Vibratory Roller	150

SECTION 60
Machine for removing asphalt

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

SECTION 61
Ductile Iron pipes & fittings

Code	Description
03-02-01376	Supplying (1200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the internat:onal standard (ISO - 2531) .
03-02-01377	Ditto (1000) mm dia.
03-02-01378	Ditto (900) mm dia.
03-02-01379	Ditto (800) mm dia.
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
- 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
- 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
b.1-1000 mm dia . branch
b.2-900 mm dia . branch
b.3-800 mm dia . branch
C- 900 mm dia . body
c.1-900 mm dia . branch
c.2-800 mm dia . branch
D- 800 mm dia . body
d.1- 800 mm dia . branch
d.2- 700 mm dia . branch
d.3- 600 mm dia . branch
d.4- 500 mm dia . branch
- 03-02-01383 - Ductile iron double socket (express)
tapers with rubber rings and stainless
steel bolts /nuts with washers :-

a- (1200 x 1000)mm dia
b- (1000 x 900)mm dia
c- (1000 x 800)mm dia
d- (900 x 800)mm dia
e- (800 x 700)mm dia
f- (800 x 600)mm dia
- 03-02-01384 Supplying (1400) mm dia. Ductile iron
socket and spigot pipe class (K9) of
tyton joint with rubber rings , according
to the international standard (ISO -
2531-1998) .
- 03-02-01385 Ditto (1200) mm dia.
- 03-02-01386 Ditto (1000) mm dia.
- 03-02-01387 Ditto (900) mm dia.

03-02-01388 Ditto (800) mm dia.
03-02-01389 Ditto (700) mm dia.
03-02-01390 Ditto (600) mm dia.
03-02-01391 Ditto (500) mm dia.
Ditto (400) mm dia.
Ditto (300) mm dia.
Ditto (250) mm dia.
03-02-01392 Ductile Iron double flanged bends with flanged socket and spigot
A- 1400 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
B- 1200 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
C- 1000 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
D- 900 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
E- 800 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
F-700 mm dia
bend 90
bend 45
bend 22.5
bend 11 1/4
g- 600 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
H-400 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.
I- 300 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.

J- 250 mm dia
bend 90 deg.
bend 45 deg.
bend 11 1/4 deg.
bend 22 1/2 deg.

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
a.2- bend 221/20
B- 500 mm dia
b.1- bend 450
b.2- bend 221/20
C- 450 mm dia
c.1- bend 450
c.2- bend 221/20
D- 400 mm dia
d.1- bend 450
d.2- bend 221/20
E- 350 mm dia
e.1- bend 450
e.2- bend 221/20
F- 300 mm dia
f.1- bend 900
f.2- bend 450
f.3- bend 221/20
G- 250 mm dia
g.1- bend 900
g.2- bend 450
g.3- bend 221/20

03-02-01394 A- Ductile iron double flange Butterfly
Valves complete with flange socket and
spigot pieces

1- 1400 mm dia
2- 1200 mm dia
3- 1000 mm dia
4- 900 mm dia
5- 800 mm dia
6- 700 mm dia
7- 600 mm dia
8- 500 mm dia
9- 400 mm dia
10- 300 mm dia
11- 250 mm dia

B- Double kynatic air valves complete with surface boxes :-
100 mm dia

C- SCOUR Valves as specified complete with all fittings and specials
100 mm dia

03-02-01395 Ductile Iron pipe of anchored standard joint (thrust-resistance) complete according to (ISO 2531) AS BELOW :-

- 1- 1000 mm dia .
- 2- 900 mm dia .
- 3- 700 mm dia
- 4- 400 mm dia
- 5- 250 mm dia

A- Ductile iron double flanged tapers complete with flanged socket & spigot pieces :-

- (1400 × 1000) mm dia
- (1000 × 900) mm dia
- (900 × 700) mm dia
- (600 × 400) mm dia

B- Ductile iron double flanged tee complete with socket & spigot pieces :-

- 1400 mm dia . Body
- 100 mm dia branch
- 1000 mm dia body
- 100 mm dia branch
- 900 mm dia body
- 100 mm dia branch
- 800 mm dia body
- 100 mm dia branch
- 700 mm dia body
- 100 mm dia branch
- 600 mm dia body
- 100 mm dia branch
- 500 mm dia body
- 100 mm dia branch
- 400 mm dia body
- 100 mm dia branch
- 300 mm dia body
- 100 mm dia branch
- 250 mm dia body
- 100 mm dia branch

03-02-01396 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
- B- 500 mm dia . body
- b.1-100 mm dia . branch
- b.2-150 mm dia . branch
- C- 450 mm dia . body
- c.1-100 mm dia . branch
- c.2-150 mm dia . branch
- D- 400 mm dia . body
- d.1- 80 mm dia . branch

d.2- 100 mm dia . branch
d.3- 150 mm dia . branch
E- 350 mm dia . body
e.1- 80 mm dia . branch
e.2- 100 mm dia . branch
e.3- 150 mm dia . branch
F- 300 mm dia . body
f.1- 80 mm dia . branch
f.2- 100 mm dia . branch
f.3- 150 mm dia . branch
G- 250 mm dia . body
g.1- 80 mm dia . branch
g.2- 100 mm dia . branch
g.3- 150 mm dia . branch
H- 200 mm dia. body
h. 1- 80 mm dia . branch
h. 2- 100 mm dia . branch
h. 3- 150 mm dia . branch

03-02-01397 Supplying (200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the international standard (ISO - 2531) .

Ditto (150) mm dia.

Ditto (100) mm dia.

Ductile Iron all flanged tee complete with flanged socket and spigotas below :

A- 200 mm dia . body

200 mm dia . branch

150 mm dia . branch

100 mm dia . branch

B- 150 mm dia . body

150 mm dia . branch

100 mm dia . branch

C- 100 mm dia . body

100 mm dia . branch

03-02-01398 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

150 mm dia . branch

100 mm dia . branch

200 mm dia . branch

B- 150 mm dia . body

80 mm dia . branch

100 mm dia . branch

150 mm dia . branch

C- 100 mm dia . body

80 mm dia . branch

100 mm dia . branch

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
bend 450
bend 221/20

B- 500 mm dia
bend 900
bend 450
bend 221/20

C- 450 mm dia
bend 900
bend 450
bend 221/20

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
b- (200 x 100)mm dia
c- (150 x 100)mm dia
d- (100 x 80)mm dia

SECTION 62
Labratory mobile

Code	Description
03-02-01401	Labratory mobile

SECTION - 63 -
STARTERS

Starters Quantity as follow (Rating) in Amper with type

Code	Starters Type	Rating (A)	Qty.
03-02-01402	S-D	500	
03-02-01403	S-D	400	
03-02-01404	S-D	350	
03-02-01405	S-D	320	
03-02-01406	S-D	300	
03-02-01407	S-D	250	
03-02-01408	S-D	220	
03-02-01409	S-D	200	
03-02-01410	S-D	180	
03-02-01411	S-D	160	
03-02-01412	S-D	140	
03-02-01413	S-D	120	
03-02-01414	S-D	110	
03-02-01415	S-D	100	
03-02-01416	S-D	90	
03-02-01417	S-D	80	
03-02-01418	S-D	75	
03-02-01419	S-D	60	

03-02-01420	S-D	50
03-02-01421	S-D	45
03-02-01422	S-D	30
03-02-01423	S-D	22
03-02-01424	S-D	15
03-02-01425	S-D	11
03-02-01426	DOL	8
03-02-01427	DOL	6
03-02-01428	S-R (5 STAGE) WITH IMPEDANCE	1100
03-02-01429	S-R (5 STAGE) WITH IMPEDANCE	1300
03-02-01430	S-D	1000
	TOTAL	

**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
03-02-01455	Thiqar	Nassseria sewage	10	bottel
03-02-01456			15	bottel
03-02-01457			20	bottel
03-02-01458			25	bottel

03-02-01459			50	bottel	
03-02-01460			15	catriadge	
03-02-01461			20	catriadge	
03-02-01462			25	catriadge	
03-02-01463			45	catriadge	
03-02-01464			50	catriadge	
03-02-01465			100	catriadge	
03-02-01466			250	catriadge	
03-02-01467		Al-Iskan Sewage	5	bottel	
03-02-01468			10	bottel	
03-02-01469			15	bottel	
03-02-01470			20	bottel	
03-02-01471			25	bottel	
03-02-01472			50	bottel	
03-02-01473			15	catriadge	
03-02-01474			20	catriadge	
03-02-01475			25	catriadge	
03-02-01476			45	catriadge	
03-02-01477			50	catriadge	
03-02-01478			100	catriadge	
03-02-01479			250	catriadge	
03-02-01480			400	catriadge	
03-02-01481			500	catriadge	
03-02-01482			500	bottel	
03-02-01483			400	bottel	
03-02-01484			300	bottel	
03-02-01485	Baghdad		100	catriadge	
03-02-01486			160	catriadge	
03-02-01487			200	catriadge	
03-02-01488	Qadisyya		500	catriadge	
03-02-01489			400	catriadge	
03-02-01490			200	catriadge	

TOTAL

terminal (Lug)

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

TOTAL

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	
03-02-01493	Bottle , flat sides , with aluminum screw cap , capacity ~ 200ml	
03-02-01494	Bottle , Mc cartney , capacity 28 ml	
03-02-01495	Diphram pump for gases and liquids with staples mechanical speed adjustment , to deliver air approx 300 - 1200 ml/min	
03-02-01496	Filter paper , 150 mm dia , whatmen 42	
03-02-01497	Kohlransch volumetric flask with widened neck .volume 50 ml	
03-02-01498	Laboratory conductivity meter range 0.0 to 10000 ms	
03-02-01499	Conductivity cell for above meter , k >= 1	
03-02-01500	Laboratory ph meter , accuracy + 0.01 ph	
03-02-01501	Combination electrode for above ph -meter	
03-02-01502	Petri dish sterilizing box 175 × 120 mm dia stainless steel	
03-02-01503	Silicon grease , low & medium viscosity	
03-02-01504	Pipette sterilizing box , universal 65 mm dia for storage & sterilizing of pipette up to 420 mm long	
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 .	
03-02-01506	Water bath , 6 openings of 90 mm dia , stainless steel, removable cover .	
03-02-01507	Water bath , with cover , for bacteriological purpose stainless steel temperature control ~ 15 litre capacity , with necessary test tube racks.	
03-02-01508	Water distilling apparatus , all glass , 2-4 litre hour distillate conductivity > 2 ms /cm	
03-02-01509	Nessler, Lovibond BDH , with all necessary discs reagents for determination FE, Mn , NO ₃ , NH ₄ , NO ₂ color in water	
03-02-01510	Balance electronic capacity 160 g , precision +- 0.05 mg	
03-02-01511	Balance electronic capacity 2 kg , precision +- 0.19	
03-02-01512	Autoclave , vertical , ~ 30 litre capacity , with all necessary accessories & spare parts	
03-02-01513	Spectrophotometer , UV/ VIS , 155 -1000 nm with necessary cells & other accessories and spare parts	
03-02-01514	Over drying capacity 40- 60 litre , temperature up to 250C	
03-02-01515	Hot air sterilizer double door up to 250 C , capacity <= 12 litre working volume , with time switch up to 2 hours	
03-02-01516	Incubator , temperature up to 70 C , double door working volume <= 30 litre	
03-02-01517	BOD measure set , 6 sample bottles for manometric BOD measurement in thermobox 20 C with all necessary bottles & other accessories .	
03-02-01518	COD measure set , including 4 series flask heaters with all necessary glassware including round bottom flasks 250 ml with suitable condensers.	
03-02-01519	Furnace , muffle , temperature up to 1100 C , 3-5 litre working capacity.	
03-02-01520	Jar - tester , with 6 – mechanical stirrers , rpm regulator 0-200 rpm with necessary beaker & spare parts	
03-02-01521	Bottle , reagent , clear glass , autoclavable with glass cover , narrow neck capacity 250 ml	
03-02-01522	Thermometer pocket mercury 10 to 50 C	
03-02-01523	Conical flask wide neck pyrex capacity 250ml	
03-02-01524	Conical flask wide neck pyrex capacity 500ml	
03-02-01525	Volumetric flask, class B , with stopper , capacity 50 ml	
03-02-01526	Volumetric pipette class B , capacity 2 ml	
03-02-01527	Graduated pipette class B , capacity 10 ml	

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

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

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

**SECTION - 67 -
SEWAGE COMPACT UNIT**

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

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

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

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

Code	Description	Qty
03-02-01553	Spare parts for chlorinators	

**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
03-02-01555	Muothana	Rumaitha W.T.P		5.5	1500	V.S.C
03-02-01556	=	Rumaitha W.T.P *		0.15	1180	S.C

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

03-02-01610	=			37.5	1500	S.C	
03-02-01611	=			25	1500	S.C	
03-02-01612	=			18.5	1500	S.C	
03-02-01613	=			12.5	1500	S.C	
03-02-01614	=			7.5	1500	S.C	
03-02-01615	Tameem	Bor -holles (submersible		15	3000	V.S.C	
03-02-01616	=	Bor -holles (submersible		22	3000	V.S.C	
03-02-01617	Salaheldeen	Bafaq C.U *		3	3000	S.C	
03-02-01618	=	Al-Shirqad W.T.P		75	1500	S.C	
03-02-01619	=	Al-Shirqad W.T.P		37.5	1500	S.C	
03-02-01620	=	Al-Shirqad W.T.P		18.5	1500	S.C	
03-02-01621	=	Old Al-Shirqad W.T.P		15	1500	S.C	
03-02-01622	=	Old Al-Shirqad W.T.P		11	1500	S.C	
03-02-01623	=	Old Al-Shirqad W.T.P		7.5	1500	S.C	
03-02-01624	=	Talol Al-Baaj		160	3000	S.C	
03-02-01625	=	Al-Jarnaf C.U.		60	1500	S.C	
03-02-01626	=	Al-Shirqad No. (2)		22	1500	S.C	
03-02-01627	=	Baaja C.U.		18.5	1500	S.C	
03-02-01628	=	Al-Shirqad No. (2)		15	1500	S.C	
03-02-01629	=	Bafaq C.U. in Al-Dor *		3	3000	S.C	
03-02-01630	Baghdad	Al-Rashedya w.t.p forscr		1.5	1500	S.C	
03-02-01631	Najaf	Sewage Project		5.5	1500	V.S.C	
03-02-01632	=	Sewage Project		7.5	1500	V.S.C	
03-02-01633	Qadissia	Diwanyah W.T.P		90	1500	S.C	
03-02-01634	=	Diwanyah W.T.P		250	1500	S.C	
03-02-01635	=	Diwanyah W.T.P		75	1500	S.C	
03-02-01636	=	1/ 4 million gallon C.U		18.5	3000	S.C	
03-02-01637	Qadissia	Diwanyah W.T.P		5.5	1500	S.C	
03-02-01638	=	Diwanyah W.T.P		11	1500	S.C	
03-02-01639	=	Diwanyah W.T.P		2.2	1000	V.S.C	
03-02-01640	=	Sewage Project		45	1500	V.S.C	
03-02-01641	Qadissia	Sewage Project		1.1	1500	V.S.C	
03-02-01642	=	Diwanyah B.S		7.5	1500	S.C	
03-02-01643	=	Diwanyah W.T.P		45	1500	V.S.C	
03-02-01644	Anbar	west desert (B4)		670	1500	S.R	
03-02-01645	=	west desert (all pump sta		540	1500	S.R	
03-02-01646	=	west desert (A1)		450	1500	V.S.C	
03-02-01647	=	west desert (T.P)		100	1500	S.C	
03-02-01648	=	west desert (T.P) / P.S		11	1500	S.C	
03-02-01649	=	west desert (B6)		380	1500	S.C	
03-02-01650	=	west desert (T.P)		7.5	3000	S.C	
03-02-01651	=	west desert (B)		160	1500	S.C	

* THE MOTOR MUST BE WITH FLANGE .

**SECTION -71 -
Cleaning Equipment**

Code	Description	Qty.			
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03-02-01652	High tensile heavy duty steel rods 10 mm (3 / 8 inch) diameter in high tensile kane / steel flex , flexible sewer rods 2 m long fitted with two -way lock fast cadmium plated case , and with soket holder to the same diameter.							
03-02-01653	The same as the item (1) but one meter long							
03-02-01654	Hand Ratchel for rotation of (10) mm sewer rod							
03-02-01655	Stone pickers for use in gulleys and silt - traps -from 1.5 m - 6.0 m (meter hands)							
03-02-01656	Semperit sewerage flushing havy duty 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 100 m operating pressure 150 bar, 95 kg/m .							
03-02-01657	Spraying NOZZLES 30 degree , 35 degree and 45 degree							
03-02-01658	Viking diving suits complete with breathing equipment and charged cylinder with oxygen gass enough at less two houre .							
03-02-01659	Heavy duty PVC gloves standard chrome leather for general purpose - size (10"),and (8") .							
03-02-01660	Full body harness with chest safty harness							
03-02-01661	Portable Multigas Detector to gases O2 , H2S , CO WITH RECHARGEABLE BATTERY							
03-02-01662	Chisels for (10) mm rods							
03-02-01663	Drawing eye (for drawing rope or cable through drains or conduits) for steel kane rods							
03-02-01664	Pointed spearhead for rods							
03-02-01665	Socket holder for (10) mm rods							
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 .							
03-02-01667	Wheeled tool carrier for the steel kan rods							
03-02-01668	Rubber PVC (10-12) boots							
03-02-01669	Face mask with filters giving acid cases							
03-02-01670	Universal rollers for the steel kan rod							
03-02-01671	Rod gripper for the rods							
03-02-01672	Rotating handle for the rods							

**Section - 72 -
Wire Winding For Motor**

Code	Standard wire guage	Size (mm)	Qty (ton)
03-02-01673	32.0	0.28	
03-02-01674	31.0	0.29	
03-02-01675	30.0	0.31	
03-02-01676	29.0	0.35	
03-02-01677	28.0	0.38	
03-02-01678	27.0	0.43	
03-02-01679	26.0	0.47	
03-02-01680	25.5	0.48	

03-02-01681	25.0		0.50	
03-02-01682	24.5		0.54	
03-02-01683	24.0		0.56	
03-02-01684	23.0		0.61	
03-02-01685	22.0		0.71	
03-02-01686	21.5		0.75	
03-02-01687	21.0		0.81	
03-02-01688	20.0		0.90	
03-02-01689	19.5		0.95	
03-02-01690	19.0		1.00	
03-02-01691	18.5		1.12	
03-02-01692	18.0		1.20	
03-02-01693	17.5		1.30	
03-02-01694	17.0		1.40	
	TOTAL			

**SECTION 73
Strainers**

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

**SECTION 74
Valves**

Code	Description	Qty NO.
03-02-01696	Double flanged butterfly valves with flanged socket & spigot pieces, complete :-	
	a- 1200 mm. dia.	
	b- 1000 mm. dia.	
	c- 900 mm. dia.	
	d- 800 mm. dia.	
	e- 700 mm. dia.	
	f- 600 mm. dia.	
	g- 500 mm. dia.	
	h- 450 mm. dia.	
	l- 400 mm. dia.	
	j- 350 mm. dia.	
	k- 300 mm. dia.	
03-02-01697	Double flanged gate valves complete with flanged socket & spigot pieces, as below :-	
	a- 450 mm. dia.	
	b- 400 mm. dia.	
	c- 350 mm. dia.	
	d- 300 mm. dia.	
	e- 250 mm. dia.	

- f- 200 mm .dia.
- g- 150 mm .dia.
- k- 100 mm. dia.

03-02-01698 Double flanged (Non- return)valves complete with flanged socket & spigot pieces :-

- a-1200 mm dia
- b- 1000 mm dia
- a- 900 mm. dia.
- c- 800 mm. dia.
- d- 700 mm. dia.
- e- 600 mm. dia.
- f- 500 mm .dia.
- g- 450 mm .dia.
- h- 400 mm .dia.
- l- 350 mm. dia.
- j- 300 mm. dia.
- k- 250 mm. dia.
- i- 150 mm. dia
- m- 100 mm. dia.

03-02-01699 Mechanical float valves complete :-

- a- 700 mm dia
- b- 600 mm dia
- c- 500 mm dia
- d- 400 mm dia
- e- 300 mm. dia.
- f- 250 mm. dia.
- g- 200 mm. dia.
- h- 150 mm. dia.
- i- 100 mm. dia

03-02-01700 Double kynatic air valves complete with surfaca box :-

- 100 mm dia

Total

**Section - 75 -
Electric Over Head Travelling Crane**

Code	Capacity (ton)	Clear Width Of Pumping	Length Of Pumping Room (m)	Center To	Dimensi	Height from	Quantit	Price (C.I.F)
03-02-01701	5	8.5	21	3.5	0.3× 0.5	5		
03-02-01702	5	8.5	21	3.5	0.3× 0.5	9		
TOTAL								

**SECTION - 76-
Bor holes Pumps**

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

03-02-01714	Tameem		50	150
03-02-01715	Diala		50	150

total

**Section - 77 -
Air Blowers**

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

TOTAL

**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		S.C	1500
03-02-01725	60	50		S.C	1500
03-02-01726	60	60		S.C	1500
03-02-01727	250	20		S.C	1500
03-02-01728	14	35		S.C	3000
03-02-01729	200	25		S.C	1500
03-02-01730	200	50		S.C	1500
03-02-01731	200	60		S.C	1500
03-02-01732	100	100		S.C	1500
03-02-01733	50	71		S.C	1500
03-02-01734	90	100		S.C	1500
03-02-01735	120	100		S.C	1500
03-02-01736	250	200		S.C	1500
03-02-01737	200	150		S.C	1500
03-02-01738	75	20		S.C	1500
03-02-01739	75	60		S.C	2900
03-02-01740	50	20		S.C	1500
03-02-01741	180	80		S.C	1500
03-02-01742	140	40		S.C	1500
03-02-01743	100	255		S.L	1500
03-02-01744	150	200		S.L	1500

TOTAL

**Section - 79-
Sewage Submersible Pumps**

Code	Capacity(m3/h)	Head(m)	Type of pump	Qty
03-02-01745	10	15	Raw Water	
03-02-01746	100	25	Sewage	
03-02-01747	200	25	Raw Water	
03-02-01748	60	20	Raw Water	
03-02-01749	300	20	Sewage	
03-02-01750	150	20	Raw Water	

03-02-01751	180		15	Sewage	
03-02-01752	150		10	Raw Water	
03-02-01753	900		20	Sewage	
03-02-01754	80		20	Sewage	
03-02-01755	70		20	Raw Water	
03-02-01756	400		20	Sewage	
03-02-01757	400		45	Raw Water	
03-02-01758	20		15	Raw Water	
03-02-01759	15		20	Raw Water	
03-02-01760	800		25	Sewage	
03-02-01761	14		35	Raw Water	
03-02-01762	250		20	Sewage	
03-02-01763	120		20	Raw Water	
03-02-01764	2200		40	Raw Water	
03-02-01765	1100		20	Raw Water	
03-02-01766	600		20	Sewage	
03-02-01767	500		20	Sewage	
03-02-01768	35		15	Raw Water	
03-02-01769	40		40	Raw Water	
03-02-01770	60		40	Raw Water	
03-02-01771	20		50	Raw Water	
03-02-01772	500		50	Sewage	

TOTAL

**SECTION 80
Cesspool empiter tanker**

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

**Section - 81 -
Thermal Over Load**

Code	Rating(A)	Qty
03-02-01774	(480 - 510)	
03-02-01775	(440-460)	
03-02-01776	(240- 260)	
03-02-01777	(190 - 220)	
03-02-01778	(170- 200)	
03-02-01779	(150-175)	
03-02-01780	(140-160)	
03-02-01781	(130- 150)	
03-02-01782	(110-130)	
03-02-01783	(105-125)	
03-02-01784	(90 -110)	
03-02-01785	(75- 105)	
03-02-01786	(65- 80)	
03-02-01787	(50- 70)	
03-02-01788	(45 -57)	
03-02-01789	(40 -80)	
03-02-01790	(30 -50)	
03-02-01791	(25 -35)	
03-02-01792	(24 - 40)	
03-02-01793	(20 - 60)	
03-02-01794	(18 - 25)	

03-02-01795	(15 -20)	
03-02-01796	(9- 12)	
03-02-01797	(3 - 6)	
03-02-01798	(0.5 - 1.5)	
03-02-01799	(0.4-1)	

TOTAL

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

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

**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.	
03-02-01811	Couplings (Expansion joint)flat end for steel pipes :- a- 800 mm. dia. b- 600 mm .dia. c- 500 mm .dia. d- 450 mm .dia. e- 400 mm. dia. f- 350 mm. dia. i- 300 mm. dia. j- 250 mm. dia. k- 200 mm. dia. l- 150 mm. dia.	
03-02-01812	Ductile iron express collars complete with rubber rings stainless steel bolts/nuts and washers as below :- a- 1000 mm. dia. b- 900 mm. dia. c- 800 mm. dia. d- 700 mm. dia.	

- e- 600 mm. dia.
- f- 500 mm .dia.
- g- 450 mm .dia.
- h- 400 mm .dia.
- i- 350 mm. dia.
- j- 300 mm. dia.
- k- 250 mm. dia.
- l- 200 mm. dia.
- m- 150 mm. dia.
- n- 100 mm. dia.

-
- 03-02-01813 Couplings (Expansion joint) flanged end for steel pipe :-
- a- 800 mm. dia.
 - b- 600 mm. dia.
 - c- 500 mm. dia.
 - d- 450 mm .dia.
 - e- 400 mm .dia.
 - f- 350 mm. dia.
 - g- 300 mm. dia.
 - h- 250 mm. dia
 - l- 200 mm. dia
 - j- 150 mm. dia
-

SECTION 84
Circuit breaker

Code	Rating(A)	Qty
03-02-01814	10	
03-02-01815	16	
03-02-01816	20	
03-02-01817	25	
03-02-01818	32	
03-02-01819	40	
03-02-01820	63	
03-02-01821	80	
03-02-01822	100	
03-02-01823	150	
03-02-01824	160	
03-02-01825	200	
03-02-01826	250	
03-02-01827	300	
03-02-01828	400	
03-02-01829	500	
03-02-01830	630	*
03-02-01831	800	
03-02-01832	1,000	
03-02-01833	1,250	
03-02-01834	1,600	
03-02-01835	2,000	
03-02-01836	2,500	
03-02-01837	3,200	
03-02-01838	4,000	
03-02-01839	5,000	

Total

* Note : (3) Ciriut 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	

Section -86 -
Contactora

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

TOTAL

**Section (87)
Rescue Vehicles (SNORKLE)**

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

**SECTION 88
SPare part & equipment for shelter**

Code	Item	Description								Qty
03-02-01883		Circuiation and cenrifngal pumps :								
		Items	kw	R.P.M	PH	V	H(m)	Qm3/ h		
	1	Circulation pump	0.25	2800	3	380	-	13-14		
	2	Circulation pump	1.1	1415	3	380	-	53-54		
	3	Circulation pump	2.2	1425	3	380	-		100	
	4	Circulation pump	4	2900	3	380	75		10	
	5	Circulation pump	7.5	2875	3	380	20		100	
	6	Circulation pump	0.37	2810	3	380	6.5		11	
	7	Circulation pump	3	2855	3	380	72		10	
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 short circuit	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:								
	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	
	2		4	1500	29.3	3	50	400	31	

SECTION 89

Wrecker Fixed on Vehicles and truck

Code	Description	Qty
03-02-01888	a. Wrecker fixed on vehicles chassis (2 x 4)	
03-02-01889	b. Wrecker fixed on vehicles chassis (6 x 4)	
	Total	

**SECTION 90
SKY Lift**

Code	Description	Qty
03-02-01890	SKY Lift	

**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	
03-02-01892	2- 19 mm	
03-02-01893	3- 25 mm	
03-02-01894	4- 37 mm	
03-02-01895	5- 50 mm	
03-02-01896	6- 63 mm	
	B- UP.V.C saddle :	
03-02-01897	-(90) mm dia with brass ferrule suitable to connect poly ethylene line pipe mentioned in item (a) above of (13) mm dia	
03-02-01898	- Ditto but to connect (19)mm dia	
03-02-01899	- Ditto but to connect (25)mm dia	
03-02-01900	-(110) mm dia with brass ferrule suitable to connect poly ethylene line pipe mentioned in item (a) above of (13) mm dia	
03-02-01901	- Ditto but to connect (19)mm dia	
03-02-01902	- Ditto but to connect (25)mm dia	
03-02-01903	- Ditto but to connect (37)mm dia	
03-02-01904	-(160) mm dia with brass ferrule suitable to connect poly ethylene line pipe mentioned in item (a) above of (13) mm dia	
03-02-01905	- Ditto but to connect (19)mm dia	
03-02-01906	- Ditto but to connect (25)mm dia	
03-02-01907	- Ditto but to connect (37)mm dia	
03-02-01908	- Ditto but to connect (50)mm dia	
03-02-01909	-(225) mm dia with brass ferrule suitable to connect poly ethylene line pipe mentioned in item (a) above of (13) mm dia	
03-02-01910	- Ditto but to connect (19)mm dia	
03-02-01911	- Ditto but to connect (25)mm dia	
03-02-01912	- Ditto but to connect (37)mm dia	
03-02-01913	- Ditto but to connect (50)mm dia	
03-02-01914	- Ditto but to connect (63)mm dia	
03-02-01915	C- Tapping tool complete with ratchet , (3) cutter for p.v.c , saddle adaptor, pipe adapter and portable tool bit with hexagonal key and lever for tapping saddle branch dia as follows :	
	(16 - 25) mm	
	(32 - 40)mm	
	(50 - 63) mm	

Cement Cylo Vehicles

Code	Description	Qty
03-02-01916	Cement Cylo Vehicles	

**SECTION -93-
Communication System**

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

**SECTION -94-
Motor Cycle**

Code	Description	Qty
03-02-01923	Motor Cycle	

**SECTION -95-
Rescue Boat**

Code	Description	Qty
03-02-01924	Rescue Boat	

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

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

**Section (97)
Road Sweeping Vehicle**

Code	Description	Qty
03-02-01927	Road Sweeping Vehicle	

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

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

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

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

**Section (100)
Asbestos suit**

Code	Description	Qty
03-02-01930	Asbestos suit	

**Section (101)
Breathing Apparaches**

Code	Description	Qty
03-02-01931	Breathing Apparaches	

**Section (102)
Fire Man Helmet**

Code	Description	Qty
03-02-01932	Fire Man Helmet	

**Section (103)
Light Torch**

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

**Section (104)
Rescue Vehicle**

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

**Section (105)
Fire Fighting Vehicle for different puposes**

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

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

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

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

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

**Section (108)
Fire Extingushire**

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

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

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

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

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

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

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

**Section (112)
Lighting Vehicles**

Code	Description	Qty
03-02-01944	Lighting Vehicles	

**Section (113)
Saloon Cars**

Code	Description	Qty
03-02-01945	Saloon Cars	

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

CODE	DISCRIPTION	QTY.
03-02-01946	PENTIUM III	
03-02-01947	MAIN SYSTEM PENTIUM III FILE SILVER	
03-02-01948	WORK STATION PENTIUM III	
03-02-01949	HUBS 8 PORT QUTLETT WITH CABLES AND CONNECTORS	
03-02-01950	DATA SWITCH 5X1 PORT	
03-02-01951	SPACIAL WHILE COMPUTER BOARD	
03-02-01952	SVGA PROJECTOR	
03-02-01953	PHOTO GRAPHIC CAMERA	
03-02-01954	VIDO INPUT /OUTPUT INTERFACE	
03-02-01955	HP LASER JET 8000 (COLOR)	
03-02-01956	HP LASER JET 1100 (BLACK AND WHITE)	
03-02-01957	POWER SUPPLY (UPS)	
03-02-01958	HP SCANNER	
03-02-01959	SCANER A4	
03-02-01960	SCANER A0	
03-02-01961	PEN PLOTER	
03-02-01962	JAZZ DRIVER	
03-02-01963	ELECTRICAL TYPE WRITE ARABIC /ENGLISH	
03-02-01964	FLOPPY DISK 3.5 H.D	
03-02-01965	CD BLANK	
03-02-01966	FANFORD PAPER	
03-02-01967	UPS 1.5 -5 K.V.A BRAND NAME	
03-02-01968	MODEM CARD (EXTERNAL) BRAND NAME	
03-02-01969	NOTE BOOK PC	
03-02-01970	SUPER MINI COMPUTER	
03-02-01971	LINE PRINTER 2000 LPM A3	
03-02-01972	EPSON PRINTER DFX 8500 DOT MATRIX	
03-02-01973	EPSON PRNTER LQ 2180 OR HIGHER	
03-02-01974	COMPUTERRIZE TRANSMISSION STATION SYSTEM	
03-02-01975	COMPUTERRIZE RECIVING UNITS	
03-02-01976	SVGA SCREEN 1.5 M x 3M	

03-02-01977	DIGITIZER(ACCUTAR)SURFACE LIT DIGITIZER	
03-02-01978	EPSON (A0) LASER INK JET PRINTER	
03-02-01979	EPSON (A0) MAP PLOTTER	
03-02-01980	DIGITAL CAMMERA SONY MAUICA	
03-02-01981	ID CARD BY PRE- PRINTER	
03-02-01982	ELECTRICAL PAPER COTTER	
03-02-01983	STANDARD CLEAR LAMINATION FILM	
03-02-01984	LAMINATION WITH SPECIAL HOT STAMP	
03-02-01985	ID CARD SYSTEM	
03-02-01986	EQUIPMENT FOR FIXING NETWORK	
03-02-01987	COMPUTER MAKINTOSH UPDATE	
03-02-01988	SWITCH HUB OF 100 BPS& 16PORT	
03-02-01989	UTP LAN CABLE WITH ACCESSORIES	
03-02-01990	VOLTAGE STABILISER 1000 VA	
03-02-01991	SPECIAL DISK DRIVE 2.6GB	
03-02-01992	ZIP DRIVE WITH(30) MEDIA	
03-02-01993	CD RECORDABLE(RE- WRITE)	
03-02-01994	PIXEL VIEW CARD 8 MB 34 FLAT SCREEN TV WITH WALL STAND	
03-02-01995	HEAVY DUTY COVER MACHINE	
03-02-01996	WIRE LESS EQUIPMENT FOR CARS H.VHF	
03-02-01997	MANUAL WIRE LESS EQUIPMENT 5-45 H.VHF	
03-02-01998	OFFICE WIRE LESS EQUIPMENT H.VHF	
03-02-01999	ELECTRONIC EXCHANGER RATE 400+40	
03-02-02000	ELECTRONIC EXCHANGER RATE 100+10	
03-02-02001	FILES STORAGE EQUIPMENT TYPE CARDEX	
03-02-02002	LAMINATORS WITH SPECIAL HOT STAMP	
03-02-02003	LIVE SCANNER	
03-02-02004	HPLASER JET 2100 8MB RAM	
03-02-02005	EXTERNAL HARD DRIVE 500 GB (MIRROR HARD)	
03-02-02006	PAPER A3 CABROWIZE TO SHEET	
03-02-02007	PAPER A3 SINGLE SHEET	
03-02-02008	PAPER SHEETS (ROLLS SIZE A0) 50 M EACH ROL	
03-02-02009	CONTINUAS PAPER SINGLE SHEET	
03-02-02010	GPS DEVICES	
03-02-02011	TRANSMITTER DEVICES	
03-02-02012	RECEIVERS DEVICES	
03-02-02013	WRITE PAPER A4 80 GRAM/M2	
03-02-02014	PAPER SERIES CARBONIZE TO SHEET	
03-02-02015	WIERLESS SECURITY MONITORING SYSTEM	

Section (115)

Wireless Control System

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

Section (116)

Electronic Operator

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

**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	

**Section (118)
Cooling siplite unit equipment**

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

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

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

**Section (120)
Small Compactor**

Code	Description	Qty
03-02-02025	Small Compactor	

**Section (121)
Site Library**

Code	Description	Qty
03-02-02026	Site Library	

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

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

**Section (123)
Theodolite and Level instrument**

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

**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.	
	TRANSVARO PRINTING LINE WITH CAPABLTY 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	
	ALL FARNITURE FROM TABELS AND CHIARS AND ALL NECESSARY EQUIPMENT FOR THE LINE MUST BE SUPPLYED	
03-02-02032	HOLLY GRAM PRODUCTION LINE MACHINES 3000 LABLE /HOUR. COMPUTER AIDED DESIGN	
03-02-02033	HOLLY GRAM POSITONING STAMPING MACHINES 3000 LABEL /HOUR. WOKING BAY COMPUTER AND LASER POSITIONING .	
03-02-02034	CUTTING MACHINES FOR : ROUNDED CORNERS FOR PVC CARD HIGH PERSCISION CATTING LASER CUT LAMINATION DIMENSSION OF WORK (86/54) SPEED 7500 CARD /HOUR	
03-02-02035	BLANK PVC CARD WORKING WITGH LINE 1 ABOVE ULTRA CARD III COMPOSIT METERIAL (POLYSTER CORE) GIVE RATIO THKNESS OF CARDS .7 SI DIMENTION (86/54) SI Magnetic line on back ALL DETAILES OF METERIAL MUST BE GIVEN and COMPLY THE SPECIFICATION OF (SI)	
03-02-02036	GOLDEN AND SILVER FOILE FOR HOLLY GRAM FOR ITEM 2 ABOVE COMPLY THE QUANTTTY OF (40,000,000) CARD.	

03-02-02037	UV WATER LESS PAINTES REQUIERD FOR 40,000,000 LOGO
03-02-02038	OFFSET PAINTS FOR COMPLY 40,000,000 CARD FULL COLOR
03-02-02039	COOLING MACHINE THAT COMPLY THE WORKING MEDIA 25 CENTGRATE (ROOM CONDITIONER WORK)
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.
03-02-02041	SPARE PARTS FOR ALL MACHINE IN ITEMS 1,2,3,4 REQUIRED FOR WORKING 3 YEAR WARNTTY OF THE LINE PARTS.
	THE SUPPLIER MUST GIVE INSURANCE FOR WARKING 3 YEAR WARNTY ANY NECESSARY EQUIPMENT RECOMMENDED MUST BE GIVEN

**SECTION - 125 -
Asphalt Factory**

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

**SECTION -126 -
Twin Crusher**

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

**SECTION -127 -
Bitumen Tank Trailer**

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

**SECTION -128-
Bitumen Sprayer Tank**

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

**SECTION -129 -
Antimine and Bomb clearanceVehicle**

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

**SECTION –130 -
Antimine and Bomb clearance equipment**

Code	Description	Qty.

03-02-02047	Antimine and Bomb clearance equipment	
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**SECTION -131 -
Different Wood**

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

**SECTION -132 -
Laizer Printer**

Code	Description	Qty.
03-02-02053	Laizer Printer	

**SECTION -133 -
Accessories For Carpentry Factory**

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

**SECTION -134 -
Concrete Mixer Vehicles**

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

**SECTION -135 -
Concrete Pump**

Code	Description	Qty.
03-02-02056	Concrete Pump	

**SECTION -136 -
Concrete Plant**

Code	Description	Qty.
03-02-02057	Concrete Pump	

**SECTION (137)
Equipment;s & standard parts for water treatment plant 200 m3\hr**

A:

Code No.	discription		Qty
03-02-02058	RAW MATERIAL A- PLATES IBE,HEB,CHANNEL,COIL PLATE ,ANGLES B- BOILER TUBE , PIPES		

03-02-02059	PRODUCTION CONSUMABLE A- WELDING ELECTRODES (2.5,3.25,4.5)mm B- GRINDER WHEEL C- TOOLS (DRILLS , ANGEL GRINDER , IMPACT WRENCHES)		
03-02-02060	ELECTRO - MECHANICAL PARTS FOR WATER TREATMENT PLANT 200 m3/hr 50m3/hr		
03-02-02061	transmission & load , un loady equipment (fork lift track trekked , lorries , mobile cranes)		
03-02-02062	TRUCK MOUNTED DRILLING RIG USED IN ORE PROSPECTING AND		
03-02-02063	ELECTRIC BUCKET WHEEL EXCAVATOR LOADING CAPACITY 300M .TON/HR		
03-02-02064	CENTRIFUGAL PUMP - VERTICAL AND HORIZONTAL (COMPLETE WITH MOTOR) (ASSORTED TYPES)		
03-02-02065	AIR COMPRESSOR WITH SPARE PARTS FOR TWO YEARS OPERATION (ASSORTED TYPES)		
03-02-02066	SEAMLESS GALVANIZED CARBON STEEL PIPE (DIA.1 1/2 "& 3") AND CARBON STEEL CASING PIPE (DIA.8 5/8)		
03-02-02067	TUBES FOR HEAT EXCHANGERS (ASSORTED SIZES)		
03-02-02068	VALVES (ASSORTED TYPES AND SIZES)		

Section - 138-

Jacking Equipment	
CODE	Description
03-02-02069	Jacking Equipment

Section - 139-

Leakage Detector Equipment	
CODE	Description
03-02-02070	Leakage Detector Equipment for water network
03-02-02071	Leakage Detector Equipment for sewerage net work

**Section - 140-
Pile Equipment**

Code	Description	
03-02-02072	Pile Equipment	

section 142

REHABILITATION OF SEWAGE -WATER , GRP PRODUCTION LINE

Code	Description	Qty	unit
03-02-02073	REHABILITATION OF SEWAGE - WATER , GRP PRODUCTION LINE		LINE

section 143

Code	Description		
03-02-02074	SPARE PARTFOR CARS TYPE HYUNDAI ACCENT2001		
03-02-02075	SPARE PARTFOR CARS TYPE HYUNDAI ACCENT1997		

section 144

Code	Description	
03-02-02076	spare part for cars nissan patrol	

section 145

Code	Description	
03-02-02077	spare part for cars JMC TRUCK	

section 146

Code	Description	
03-02-02078	spare part for cars FAW - PICK -UP	

section 147

Code	Description	
03-02-02079	spare part for cars OLDESMOBLE	

section 148

Final printing ID Card Requirement

Code	Description	
03-02-02080	High -Volume Card Issuance System	
03-02-02081	Desktop ID Card printer	
03-02-02082	Ribbon ymck-o for item 1 above no of prints at least 400 print/ roll expire date not less than 3 year	

03-02-02083	Cleaning Ribbon for item 1 above	
03-02-02084	thermal head unit for item 1 above spare	
03-02-02085	Ribbon ymck-o for item 2 above no of prints at least 400 print/ roll expire date not less than 3 year	
03-02-02086	Cleaning Ribbon for item 2 above	
03-02-02087	thermal head unit for item 2 above spare	
03-02-02088	pouch laminators standers ISO	
03-02-02089	LAMINATION POUCH COVERS STANDERD ISO	
03-02-02090	PHOTO HANDEL COVER 1/4 POSTCARD PVC FOLDER	
03-02-02091	MAGNATIC READERS WRITER /ENCODERS	
03-02-02092	SOFTWARE	

**Section -149
SCREW PUMP**

Code	Description	
03-02-02093	SCREW PUMP	

**Section -150-
Fire Fighting Pipe**

Code	Description	
03-02-02094	Fire Fighting Pipe	

**Section -151-
Fire Fighting AUX**

Code	Description	
03-02-02095	Fire Fighting AUX	

**Section -152-
Repairing Equipment for fire fighting pipe**

Code	Description	
03-02-02096	Repairing Equipment for fire fighting pipe	

**Section - 153-
Air pillo**

Code	Description	
03-02-02097	Air pillo	

**Section - 154
Foam mixer**

Code	Description	
03-02-02098	Foam mixer	

Section - 155-

Rescue rope

Code	Description	
03-02-02099	Rescue rope	

Section - 156-**Foam Ejector**

Code	Description	
03-02-02100	Foam Ejector	

Section - 157-**Water Ejector**

Code	Description	
03-02-02101	Water Ejector	

Section -158-**Detector for under wreck person**

Code	Description	
03-02-02102	Detector for under wreck person	

Section -159-**OVEN VEHICLE**

Code	Description	
03-02-02103	OVEN VEHICLE	

Section -160-**Refrigerator Vehicle for food transportation**

Code	Description	
03-02-02104	Refrigerator Vehicle for food transportation	

Section -161-**Elevator**

Code	Description	
03-02-02105	Elevator	

Section -162-**Central air Conditioning**

Code	Description	
03-02-02106	Central air Conditioning with acapacity of 250 ton	

Section -163-**Balance**

Code	Description	Qty
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03-02-02107	Balance for wiehting chlorine cylinder with acapacity of 2 ton
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Sec – 164 –

Code	Description	Qty
03-02-02108	spare parts Asphalt plant vianova –1500- VN Capacity 100 ton	

Sec – 165 –

Code	Description	Qty
03-02-02109	Spare parts list for Kawasaki Crushing plant Capacity 100 T/ H .	

Sec – 166 –

Code	Description	Qty
03-02-02110	Spare parts list for Bulldozer Fiat –Hitachi ((FD 255)) engine : iveco 8465 .41.516	

Sec – 167 –

Code	Description	Qty
03-02-02111	Spare parts list for refuse –collector	
	type –KO- 427-31 , ENGINE	
	type MM3 – 260.5	
	type – KO – 427 – 31	
	Carbage containers hook loader KO 452	

Sec – 168 –

Code	Description	Qty
03-02-02112	Spare parts for Wheel loader case 821 c	Different

Sec – 169 –

Code	Description	Qty
03-02-02113	spare part Belarus Tractor Modle :	
	MTZ 800	
	Engine : D - 243	

Sec – 170 –

Code	Description	Qty
03-02-02114	Spare parts list for FAUN road sweeping vehicles	
	Type AK - 435	

Sec – 171 –

Code	Description	Qty
03-02-02115	spare parts Grader DZ 98B	
	Engine Cummins M 11	

Sec – 172 –

Code	Description	Qty
03-02-02116	spare parts Motor Grader Type :	
	A – 120 .1	

Sec – 173 –

Code	Description	Qty
03-02-02117	ACCESSORIES for computer and printer	

Sec – 174 –

Code	Description	Qty
03-02-02118	Final Printing ID Card Requirements	

Code	Description	Qty
03-02-02119	Colour ribbon ymck- T 80612-104 (135 cards)	

Sec - 176 -

KERBER (MACHINE FOR CASTING CONCRETE KERBSTONE)

Code	Description	Qty
03-02-02120	KERBER (MACHINE FOR CASTING CONCRETE KERBSTONE)	

Sec - 177 -

BUDGET AND BALANCE MACHINE

Code	Description	Qty
03-02-02121	BUDGET AND BALANCE MACHINE	

Sec - 178 -

ELECTRICAL FORK LIFT WITH 4 SIDES

Code	Description	Qty
03-02-02122	ELECTRICAL FORK LIFT WITH 4 SIDES	

Sec - 179-

PORTABLE MANUAL FORK LIFT WITH CAPACITY OF (402) TON

Code	Description	Qty
03-02-02123	PORTABLE MANUAL FORK LIFT WITH CAPACITY OF (402) TON	

Sec - 180-

REACHIVING REQUIRMENT

Code	Description	Qty
03-02-02124	REACHIVING REQUIRMENT	

Sec - 181-

computers

Code	Description	Qty
03-02-02125	computers pentiumIII	

03-02-02126	testers,electrical & mechanicals	
03-02-02127	Spare parts for Nissan pick up cars	
03-02-02128	Towing trucks	
03-02-02129	Portable fire pump	

03-02-02130	Emission exhaust testing	
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