

**SECTION -1-
Aluminium Sulphate**

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

**SECTION -2-
Supply Chlorine Gas**

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

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

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

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

Code	Description	Qty
03-02-00007	Cylinder mounted, 500 g / hr.	500
03-02-00008	Wall mounted, 1000 g / hr.	500
03-02-00009	Wall mounted 2000 g / hr.	1000
03-02-00010	Wall mounted, 3000 g / hr.	500
03-02-00011	Wall mounted, 4000g / hr.	500
03-02-00012	Wall mounted 5000 g / hr.	300
03-02-00013	Wall mounted 6000 g / hr.	300
03-02-00014	Floor mounted 8000 g / hr.	200
03-02-00015	Floor mounted 10000 g / hr.	300
03-02-00016	Floor mounted 12000 g / hr.	100
03-02-00017	Floor mounted 20000 g / hr.	100
TOTAL		4300

**SECTION 5
Alumina dossing pumps**

Code	Capacity (L/hr)	Head (m)	Qty
03-02-00018	6	30	300
03-02-00019	25	70	100
03-02-00020	50	40	100
03-02-00021	80	30	20

03-02-00022	100	25	50
03-02-00023	100	50	30
03-02-00024	100	100	30
03-02-00025	150	40	20
03-02-00026	200	40	140
03-02-00027	250	40	330
03-02-00028	300	40	50
03-02-00029	350	40	50
03-02-00030	400	50	50
03-02-00031	400	100	50
03-02-00032	450	50	50
03-02-00033	450	80	25
03-02-00034	500	50	50
03-02-00035	600	50	25
03-02-00036	800	30	50
03-02-00037	800	60	50
03-02-00038	1000	40	50
03-02-00039	1000	60	50
03-02-00040	1100	100	50
03-02-00041	1200	60	50
03-02-00042	860	30	10
03-02-00043	420	30	10
03-02-00044	545	30	10
03-02-00045	760	30	20
03-02-00046	300	100	20
03-02-00047	100	100	20
03-02-00048	100	50	10
03-02-00049	50	80	10
03-02-00050	400	100	20
03-02-00051	800	100	10
03-02-00052	1100	50	10
03-02-00053	500	100	10
03-02-00054	150	40	30
03-02-00055	1200	60	20
03-02-00056	1100	100	10
03-02-00057	600	116	20
03-02-00058	800	116	10

Total

2020

**Section - 6 -
CHLORINE BOOSTING PUMPS**

Code	Capacity (m3/h)	Head (m)	Qty
03-02-00059	12	60	80
03-02-00060	20	70	80
03-02-00061	10	70	80
03-02-00062	20	80	100
03-02-00063	6	60	100
03-02-00064	15	80	400

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

Total

2540

SECTION 7
EQUIPMENT FOR WATER AND SEWAGE TREATMENT PLANTS

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

03-02-00097	Al-Tamim	Kirkuk 1 st stage sewerage project	L.S	1
03-02-00098	Wasit	Al-KUT Unified W.T.P	8000	1
03-02-00099	Wasit	Al-Kut 1st stage sewerage network	L.S	1
03-02-00100	Al-Muthana	New Samawa W.T.P	8000	1
03-02-00101	Al-Muthana	Al-Samawa 1st stage sewerage project	L.S	1
03-02-00102	Thiqar	AL-Dawaya W.T.P	6000	1
03-02-00103	Missan	Al-Maimona W.T.P	800	1
03-02-00104	Missan	Al-Majer al kabir W.T.P	1000	1
03-02-00105	Missan	Al-Kahlaa W.T.P	1000	1
03-02-00106	Basrah	New basra W.T.P	30000	1
03-02-00107	Basrah	Al-Qurna unified w.t.p	4000	1
03-02-00108	Basra	Basra Sewage treatment plant phase (3)	94000	1
	total			30

SECTION 8

Lorry with crane

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

SECTION - 9 -

Horizontal Split Case Pumps

Code	Gov.Name	Project Name	Q (m3/h)	H (m)	Qty	Type	R P.M
03-02-00110	Wasit	Al suwaira w.t.p	250	80	4	S.C	1500
03-02-00111	=	New Nummaniya w.t.p	165	40	8	S.C	1500
03-02-00112	=	Old Nummaniya w.t.p	120	40	6	S.C	1500
03-02-00113	=	Old Nummaniya w.t.p	120	20	6	S.C	1500
03-02-00114	=	New Nummaniya w.t.p	160	20	6	S.C	1500
03-02-00115	=	Al –Ahrar w.t.p	165	50	2	S.C	1500
03-02-00116	=	Al –Ahrar w.t.p	170	20	2	S.C	1500

03-02-00117	=	Jasan w.t.p	100	50	4	S.C	1500
03-02-00118	=	Jasan w.t.p	120	20	3	S.C	1500
03-02-00119	=	Sheikh saad w.t.p	80	50	1	S.C	1500
03-02-00120	=	Al Dubouni w.t.p	55	50	3	S.C	3000
03-02-00121	=	Al Dubouni w.t.p	60	25	6	S.C	1500
03-02-00122	=	Al Mazraa w.t.p	90	50	6	S.C	1500
03-02-00123	=	Al Mazraa w.t.p	60	25	6	S.C	1500
03-02-00124	=	Al Dahnouk w.t.p	350	20	8	S.C	1500
03-02-00125	=	Al Dahnouk w.t.p	230	50	4	S.C	1500
03-02-00126	=	Kut w.t.p	850	20	3	S.C	1500
03-02-00127	=	Kut w.t.p	650	40	3	S.C	1500
03-02-00128	=	Al Hay w.t.p	550	50	3	S.C	1500
03-02-00129	=	Al Hay w.t.p	450	20	2	S.C	1500
03-02-00130	=	Al Hay w.t.p	450	40	6	S.C	1500
03-02-00131	=	Al Suwaira w.t.p	550	40	4	S.C	1500
03-02-00132	=	Al Muaffaqiya w.t.p	90	20	2	S.C	1500
03-02-00133	=	Al Muaffaqiya w.t.p	80	40	2	S.C	1500
03-02-00134	=	Al Zubaidia w.t.p	55	40	2	S.C	3000
03-02-00135	=	Al Zubaidia w.t.p	60	20	6	S.C	1500
03-02-00136	=	Sheikh saad w.t.p	180	20	2	S.C	1500
03-02-00137	=	Sheikh saad w.t.p	80	100	6	S.C	1500
03-02-00138	=	Sheikh saad w.t.p	80	50	2	S.C	3000
03-02-00139	=	Um Sunayem w.t.p	60	20	2	S.C	1500
03-02-00140	=	Um Sunayem w.t.p	55	40	2	S.C	3000
03-02-00141	=	Al Suwaira w.t.p	650	50	6	S.C	1500
03-02-00142	=	Al Suwaira w.t.p	650	20	3	S.C	1500
03-02-00143	=	Al Suwaira w.t.p	500	85	8	S.C	1500

03-02-00144	=	Al Suwaira w.t.p	150	80	2	S.C	1500
03-02-00145	=	Al Samideen wal Muntasireen C.U.	110	20	2	S.C	1500
03-02-00146	=	Al Samideen wal Muntasireen C.U.	90	40	2	S.C	1500
03-02-00147	=	Al Bashar w.t.p	60	20	2	S.C	1500
03-02-00148	=	Al Bashar w.t.p	55	50	2	S.C	3000
03-02-00149	=	Wasit W.T.P	60	20	2	S.C	1500
03-02-00150	=	Wasit W.T.P	90	40	2	S.C	1500
03-02-00151	=	Al Aziziya w.t.p	600	10	3	S.C	1500
03-02-00152	=	Al Aziziya w.t.p	400	20	3	S.C	1500
03-02-00153	Missan	Amara w.t.p Unified	600	20	6	S.C	1500
03-02-00154	=	Amara w.t.p Unified	550	40	6	S.C	1500
03-02-00155	=	Boosting Station	120	60	6	S.C	1500
03-02-00156	=	Al Rafiden w.t.p	350	40	3	S.C	1500
03-02-00157	=	Al Rafiden w.t.p	400	20	3	S.C	1500
03-02-00158	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	120	40	24	S.C	1500
03-02-00159	=	Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p	150	20	24	S.C	1500
03-02-00160	Basrah	Al Hussen Boosting Station	930	60	3	S.C	1500
03-02-00161	=	Al Hussen Boosting Station	750	120	3	S.C	1500
03-02-00162	=	Al Mudaina W.T.P	200	50	8	S.C	1500
03-02-00163	=	Al Jasem	100	60	4	S.C	1500
03-02-00164	=	Shatt – Al Hel	50	50	8	S.C	2900
03-02-00165	=	Garma No. (2)	50	50	20	S.C	2900
03-02-00166	=	Shatt – Arab W.T.P	480	9	6	S.C	1500
03-02-00167	=	Al –Mufeqeya Boosting Station	160	80	6	S.C	1500
03-02-00168	=	Khor AL Zubair W.T.P	378	60	4	S.C	1500
03-02-00169	=	Khor AL Zubair W.T.P	405	6	4	S.C	1500
03-02-00170	=	Khor AL Zubair W.T.P	540	11	6	S.C	1500
03-02-00171	=	Al Dair W.T.P	250	50	5	S.C	1500
03-02-00172	=	Al Dair W.T.P	200	20	5	S.C	1500
03-02-00173	=	Al Bratheaa W.T.P	400	60	8	S.C	1500
03-02-00174	=	Al Bratheaa W.T.P	400	25	8	S.C	1500
03-02-00175	=	Al –Faw W.T.P	400	79	5	S.C	1500
03-02-00176	=	Al –Faw W.T.P	300	20	5	S.C	1500
03-02-00177	=	Faw Net Work	50	50	6	S.C	2900
03-02-00178	=	Faw Net Work	200	50	4	S.C	1500
03-02-00179	=	Old Al-Mudaina w.t.p	200	20	10	S.C	1500
03-02-00180	=	Old Al-Mudaina w.t.p	200	80	8	S.C	1500
03-02-00181	=	Al Bratheaa w.t.p	1500	90	8	S.C	1500
03-02-00182	=	Al Suwaip w.t.p	200	60	8	S.C	1500
03-02-00183	=	Al Basrah Unified w.t.p	1000	80	8	S.C	1500
03-02-00184	=	Al Basrah Unified w.t.p	400	60	9	S.C	1500
03-02-00185	=	Old Al Shuwaiba w.t.p	400	60	12	S.C	1500
03-02-00186	=	Al Ribat w.t.p	200	50	16	S.C	1500

03-02-00187	=	Abo –Alkasib w.t.p	200	50	25	S.C	1500
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03-02-00188	=	Abo –Alkasib w.t.p	200	50	8	S.C	1500
03-02-00189	=	Abo –Alkasib w.t.p	50	50	30	S.C	2900
03-02-00190	Al Muthana	Hay –Al Saniya	300	80	6	S.C	1500
03-02-00191	=	Al Daraje w.t.p	60	50	12	S.C	3000
03-02-00192	=	Al Daraje w.t.p	60	20	12	S.C	1500
03-02-00193	=	Al Majed w.t.p	60	50	3	S.C	3000
03-02-00194	=	Al –HALAL Village	60	50	2	S.C	3000
03-02-00195	=	Al –HALAL w.t.p	100	50	2	S.C	1500
03-02-00196	=	Storm Station	100	20	20	S.C	1500
03-02-00197	=	Storm Station	150	20	20	S.C	1500
03-02-00198	=	Storm Station	200	20	10	S.C	1500
03-02-00199	=	Al Warka W.T.P	300	20	3	S.C	1500
03-02-00200	=	Al Warka W.T.P	216	60	4	S.C	1500
03-02-00201	=	Al Warka W.T.P	216	90	6	S.C	1500
03-02-00202	=	Al Warka W.T.P	216	15	2	S.C	1500
03-02-00203	=	Ramathan Boosting	500	40	3	S.C	1500
03-02-00204	=	Al Karama Boosting	100	70	8	S.C	3000
03-02-00205	=	Al Majed – Al –Mamlaha B.S	300	70	6	S.C	1500
03-02-00206	=	Al Mamlaha B.S	216	60	10	S.C	1500
03-02-00207	=	Al –Entsar B.S	100	40	6	S.C	1500
03-02-00208	=	Al Rsala Residenital Building	100	60	6	S.C	1500
03-02-00209	=	Al Askan Residenital Building	25	20	1	S.C	1500
03-02-00210	=	New Project	675	90	5	S.C	1500
03-02-00211	=	New Project	810	15	5	S.C	1500
03-02-00212	=	Al Kader w.t.p	216	40	8	S.C	1500
03-02-00213	=	Al Sakak Houses	120	50	3	S.C	1500
03-02-00214	=	New Rumaitha W.T.P	700	80	5	S.C	1500

03-02-00215	=	New Rumaitha W.T.P	200	60	8	S.C	1500
03-02-00216	=	New Rumaitha W.T.P	800	12	5	S.C	1500
03-02-00217	=	New Rumaitha W.T.P	510	15	3	S.C	1500
03-02-00218	=	New Rumaitha W.T.P	300	15	3	S.C	1500
03-02-00219	=	New Rumaitha W.T.P	375	90	3	S.C	1500
03-02-00220	=	New Rumaitha W.T.P	180	90	2	S.C	1500
03-02-00221	=	New Rumaitha W.T.P	200	70	8	S.C	1500
03-02-00222	=	New Rumaitha W.T.P	20	20	2	S.C	1500
03-02-00223	=	New Rumaitha W.T.P	100	50	2	S.C	1500
03-02-00224	=	New Rumaitha W.T.P	600	21	8	S.C	1500
03-02-00225	=	New Rumaitha W.T.P	800	12	3	S.C	1500
03-02-00226	Diala	Al Abara W.T.P	160	11	3	S.C	1500
03-02-00227	=	Abo –Sadiah W.T.P	600	8	1	S.C	1500
03-02-00228	=	Abo –Sadiah W.T.P	315	15	3	S.C	1500
03-02-00229	=	Abo –Sadiah W.T.P	90	60	2	S.C	1500
03-02-00230	=	Abo –Sadiah W.T.P	200	60	8	S.C	1500
03-02-00231	=	Baladroz W.T.P	210	20	3	S.C	1500
03-02-00232	=	Baladroz W.T.P	210	30	2	S.C	1500
03-02-00233	=	Baladroz W.T.P	220	60	8	S.C	1500
03-02-00234	=	Baladroz W.T.P	110	60	4	S.C	1500
03-02-00235	=	Baladroz W.T.P	100	60	4	S.C	1500
03-02-00236	=	Baladroz W.T.P	75	60	2	S.C	3000
03-02-00237	=	Baladroz W.T.P	110	30	6	S.C	1500
03-02-00238	=	Old Al Muqdadiya W.T.P.	350	11	3	S.C	1500
03-02-00239	=	Old Al Muqdadiya W.T.P.	180	50	3	S.C	1500
03-02-00240	=	Beni – Saad W.T.P	410	10	11	S.C	1500
03-02-00241	=	Beni – Saad W.T.P	160	50	6	S.C	1500
03-02-00242	=	Beni – Saad W.T.P	200	60	5	S.C	1500
03-02-00243	=	Beni – Saad W.T.P	350	60	4	S.C	1500
03-02-00244	=	Kanaan W.T.P	200	15	2	S.C	1500
03-02-00245	=	Kanaan W.T.P (M.S)	65	91	2	S.C	1500

03-02-00246	=	Kanaan W.T.P	135	75	2	S.C	1500
03-02-00247	=	Kanaan W.T.P	65	52	2	S.C	3000
03-02-00248	=	Kanaan W.T.P	360	11	2	S.C	1500
03-02-00249	Diala	Al Khalis W.T.P	675	35	6	S.C	1500
03-02-00250	=	Al Khalis W.T.P	780	30	6	S.C	1500
03-02-00251	Diala	Al Khalis W.T.P	625	30	10	S.C	1500
03-02-00252	=	Al Khalis W.T.P (M.S)	100	100	8	S.C	1500
03-02-00253	=	Baquba W.T.P	1050	10	5	S.C	1500
03-02-00254	=	Baquba W.T.P	600	20	3	S.C	1500
03-02-00255	=	Baquba W.T.P	300	68	8	S.C	1500
03-02-00256	=	Baquba W.T.P	420	100	4	S.C	1500
03-02-00257	=	Baquba W.T.P	420	36	4	S.C	1500
03-02-00258	=	Baquba W.T.P	300	100	6	S.C	1500
03-02-00259	=	Khanaqin W.T.P	250	125	8	S.C	1500
03-02-00260	=	Khanaqin W.T.P	630	12	5	S.C	1500
03-02-00261	=	Boosting Station	600	70	6	S.C	1500
03-02-00262	=	Boosting Station	60	50	2	S.C	3000
03-02-00263	=	Boosting Station	160	50	2	S.C	1500
03-02-00264	=	Boosting Station	120	82	6	S.C	1500
03-02-00265	=	Jalwla W.T.P	420	36	3	S.C	1500
03-02-00266	=	Jalwla W.T.P	400	40	8	S.C	1500
03-02-00267	=	Jalwla W.T.P	250	70	8	S.C	1500
03-02-00268	=	Jalwla W.T.P	275	12	4	S.C	1500
03-02-00269	=	Qura – Taba W.T.P	312	30	4	S.C	1500
03-02-00270	=	Qura – Taba W.T.P	86	68	4	S.C	3000
03-02-00271	=	Qura – Taba W.T.P (M.S)	60	96	8	S.C	1500
03-02-00272	=	Qura – Taba W.T.P	90	66	4	S.C	3000
03-02-00273	=	Qura – Taba W.T.P	450	24	2	S.C	1500
03-02-00274	=	Qura – Taba W.T.P (M.S)	50	100	6	S.C	1500
03-02-00275	=	Al Munathraa W.T.P (M.S)	100	100	3	S.C	1500
03-02-00276	=	Al Tahrer W.T.P	630	20	2	S.C	1000
03-02-00277	=	Al Tahrer W.T.P	550	36	2	S.C	1500
03-02-00278	Thiqar	Nasseriah Unified W.T.P	820	20	6	S.C	1500
03-02-00279	=	Nasseriah Unified W.T.P	796	170	12	S.C	1500
03-02-00280	=	Nasseriah Unified W.T.P	900	30	12	S.C	1000
03-02-00281	=	Al Shatra W.T.P	575	20	9	S.C	1500
03-02-00282	=	Al Shatra W.T.P	575	65	9	S.C	1500

03-02-00283	=	Al Refayi W.T.P	250	50	12	S.C	1500
03-02-00284	=	Al Refayi W.T.P	300	20	12	S.C	1500
03-02-00285	=	Al Refayi W.T.P	300	20	2	S.C	1500
03-02-00286	=	Al Refayi Village W.T.P	125	20	6	S.C	1500
03-02-00287	=	Al Refayi Village W.T.P	120	40	6	S.C	1500
03-02-00288	Thiqar	Qalaat Sukkur W.T.P	420	40	12	S.C	1500
03-02-00289	=	Qalaat Sukkur W.T.P	420	20	6	S.C	1500
03-02-00290	=	Qalaat Sukkur W.T.P	90	60	12	S.C	3000
03-02-00291	=	Qalaat Sukkur W.T.P (M.S)	90	100	12	S.C	1500
03-02-00292	=	Qalaat Sukkur W.T.P	600	20	6	S.C	1500
03-02-00293	=	Al –Fajer W.T.P	60	40	6	S.C	1500
03-02-00294	=	Al –Fajer W.T.P	64	20	12	S.C	1500
03-02-00295	=	Al –Nasir W.T.P	60	40	12	S.C	1500
03-02-00296	=	Al –Nasir W.T.P	64	20	12	S.C	1500
03-02-00297	=	Suq Al – Shuqi W.T.P	205	40	3	S.C	1500
03-02-00298	=	Suq Al – Shuqi W.T.P	120	50	3	S.C	1500
03-02-00299	=	Wafah Al –Qaid Boosting	600	100	12	S.C	1500
03-02-00300	=	Garmat –Beni –Saeed W.T.P	60	40	9	S.C	3000
03-02-00301	=	Garmat –Beni –Saeed W.T.P	64	20	3	S.C	1500
03-02-00302	=	Al Fahod W.T.P	200	40	8	S.C	1500
03-02-00303	=	Al Fahod W.T.P	205	30	8	S.C	1500
03-02-00304	=	Al Dawyia W.T.P	90	20	8	S.C	1500
03-02-00305	=	Al Dawyia W.T.P	90	40	3	S.C	1500
03-02-00306	=	Al Baathya W.T.P	200	40	8	S.C	1500
03-02-00307	=	Al Baathya W.T.P	200	20	8	S.C	1500
03-02-00308	=	Al Eslah W.T.P	90	40	8	S.C	1500
03-02-00309	=	Al Eslah W.T.P	90	20	3	S.C	1500
03-02-00310	=	Old Nasseriah W.T.P	250	30	8	S.C	1500
03-02-00311	=	Old Nasseriah W.T.P	250	50	8	S.C	1500
03-02-00312	Salaheldeeen	Tikrit W.T.P 2 nd stage	850	41	8	S.C	1500
03-02-00313	=	Tikrit W.T.P 2 nd stage	750	57	8	S.C	1500
03-02-00314	=	Old Tikrit W.T.P	450	60	8	S.C	1500
03-02-00315	=	Old Tikrit W.T.P	400	40	8	S.C	1500
03-02-00316	=	Al Ougi W.T.P	200	25	8	S.C	1500

03-02-00317	=	Al Ougi W.T.P	120	60	9	S.C	1500
03-02-00318	=	Al Ailam W.T.P	250	30	4	S.C	1500
03-02-00319	=	Al Ailam W.T.P (M.S)	60	60	12	S.C	1500
03-02-00320	=	New Al Dor W.T.P	430	25	3	S.C	1500
03-02-00321	=	New Al Dor W.T.P	414	50	8	S.C	1500
03-02-00322	=	New Al Dor W.T.P	300	80	6	S.C	1500
03-02-00323	Salaheldeen	Old Al Dor W.T.P	250	50	8	S.C	1500
03-02-00324	=	Old Al Dor W.T.P	60	40	8	S.C	3000
03-02-00325	=	Al – Sharqid W.T.P	350	25	8	S.C	1500
03-02-00326	=	Al – Sharqid W.T.P	225	40	4	S.C	1500
03-02-00327	=	Al – Sharqid W.T.P	120	100	8	S.C	3000
03-02-00328	=	Al – Sharqid W.T.P	288	25	6	S.C	1500
03-02-00329	=	Al – Sharqid W.T.P	288	40	6	S.C	1500
03-02-00330	=	Old Al – Sharqid W.T.P	150	25	4	S.C	1500
03-02-00331	=	Old Al – Sharqid W.T.P	96	30	4	S.C	1500
03-02-00332	=	Al – Sharqid Villiage W.T.P	350	25	6	S.C	1500
03-02-00333	=	Al – Sharqid Villiage W.T.P	120	100	6	S.C	3000
03-02-00334	=	Al – Sharqid W.T.P No. (2)	210	25	6	S.C	1500
03-02-00335	=	Al –Sharqid W.T.P No. (2)	144	40	8	S.C	1500
03-02-00336	=	Al –Fairs W.T.P	95	20	2	S.C	1500
03-02-00337	=	Al –Fairs W.T.P	95	60	4	S.C	1500
03-02-00338	=	Al –Tarmiyah W.T.P	90	20	2	S.C	1500
03-02-00339	=	Al –Tarmiyah W.T.P	90	50	2	S.C	1500
03-02-00340	=	Old Dozz W.T.P	180	80	2	S.C	1500
03-02-00341	=	Samarra W.T.P	800	60	8	S.C	1500
03-02-00342	=	Samarra W.T.P	450	50	3	S.C	1500
03-02-00343	=	Al –Fairs W.S.S	1495	15	4	S.C	1500
03-02-00344	=	New Balad W.T.P	250	20	6	S.C	1500
03-02-00345	=	Ishaqi – Uthrap W.T.P	130	30	1	S.C	1500
03-02-00346	=	Ishaqi – Uthrap W.T.P	90	60	1	S.C	1500
03-02-00347	=	Ishaqi – Uthrap W.T.P	360	102	4	S.C	1500
03-02-00348	=	Ishaqi – Uthrap W.T.P	420	82	4	S.C	1500
03-02-00349	=	Ishaqi – Uthrap W.T.P	575	20	2	S.C	1500

03-02-00350	=	Balad W.S.S.	250	25	2	S.C	1500
03-02-00351	=	Balad W.S.S.	500	25	4	S.C	1500
03-02-00352	=	New Al –Thoayia W.S.S	250	25	4	S.C	1500
03-02-00353	=	Old Al –Thoayia W.S.S	250	25	4	S.C	1500
03-02-00354	=	New Al –Thoayia W.S.S	210	45	6	S.C	1500
03-02-00355	=	Old Al –Thoayia W.S.S	210	45	6	S.C	1500
03-02-00356	Baghdad	Old Madain W.T.P.	264	68	6	S.C	1500
03-02-00357	=	Old Madain W.T.P.	264	12	8	S.C	1500
03-02-00358	=	New Madain W.T.P.	900	17	8	S.C	1500
03-02-00359	=	Al Rashidya W.T.P	780	14	6	S.C	1500
03-02-00360	=	Al –Muhmodia W.T.P.	1050	15	4	S.C	1500
03-02-00361	=	Al –Muhmodia W.T.P.	1000	37	8	S.C	1500
03-02-00362	=	Al –Muhmodia B.S.	500	15	5	S.C	1500
03-02-00363	=	Al- Lateffai W.T.P	300	15	3	S.C	1500
03-02-00364	Baghdad	Al- Lateffai W.T.P	300	9	3	S.C	1500
03-02-00365	=	Al- Lateffai W.T.P	100	30	2	S.C	1500
03-02-00366	=	Al-Rashida W.T.P	183	11	3	S.C	1500
03-02-00367	=	Al-Rashida W.T.P	800	17	3	S.C	1500
03-02-00368	=	Al-Rashida W.T.P	450	55	2	S.C	1500
03-02-00369	=	Al-Rashida W.T.P	195	60	2	S.C	1500
03-02-00370	=	Al-Rashida W.T.P	150	58	2	S.C	1500
03-02-00371	=	Al-Rashida W.T.P	735	40	3	S.C	1500
03-02-00372	=	Al-Rashida W.T.P	600	12	3	S.C	1500
03-02-00373	=	Al-Nahrawin Boosting	500	80	2	S.C	1500
03-02-00374	=	Al-Nahrawin Boosting	1000	85	3	S.C	1500
03-02-00375	Najaf	Najaf W.T.P	2280	196	2	S.C	1500
03-02-00376	Kerbala	Jadwal Al-Gharbi W.T.P	120	40	2	S.C	1500
03-02-00377	=	Jadwal Al-Gharbi W.T.P	120	20	2	S.C	1500
03-02-00378	=	Jadwal Al-Gharbi W.T.P	60	40	2	S.C	3000
03-02-00379	=	Jadwal Al-Gharbi W.T.P	60	20	2	S.C	1500
03-02-00380	=	Boosting Station	1200	42	3	S.C	1500
03-02-00381	=	Project No. (7)	1400	17	6	S.C	1000

03-02-00382	=	Project No. (7)	1350	50	6	S.C	1000
03-02-00383	=	Project No. (7)	540	9	4	S.C	1000
03-02-00384	=	Ain –Tamer Boosting Station	350	100	3	S.C	1500
03-02-00385	=	Al-Uriba Boosting Station	1200	40	3	S.C	1500
03-02-00386	=	Al-Hindaya W.T.P	735	25	4	S.C	1500
03-02-00387	=	Al-Hindaya W.T.P	445	46	4	S.C	1500
03-02-00388	=	Al-Hindaya W.T.P	333	60	3	S.C	1500
03-02-00389	=	Al-Hindaya W.T.P	1200	25	2	S.C	1500
03-02-00390	=	Al-Hindaya W.T.P	762	30	3	S.C	1500
03-02-00391	=	Sewage Project	500	30	2	S.C	1000
03-02-00392	=	Old Al-Hindaya W.T.P	160	25	3	S.C	1500
03-02-00393	=	Old Al-Hindaya W.T.P	150	60	4	S.C	1500
03-02-00394	Babil	New –Hilla W.T.P	1600	7	2	S.C	1000
03-02-00395	taameem	Different Place	540	70	10	S.C	1500
03-02-00396	=	Different Place	900	30	10	S.C	1500
03-02-00397	=	Al Zap Unified W.T.P (M.S)	100	80	6	S.C	1500
03-02-00398	=	Al Zap W.T.P (M.S)	90	100	3	S.C	1500
03-02-00399	=	Al Zap Village (M.S) W.T.	80	60	4	S.C	1500
03-02-00400	=	Al Zap Village (M.S) W.T.	85	20	4	S.C	1500
03-02-00401	=	Al Reyadh Village W.T.	312	20	3	S.C	1500
03-02-00402	=	Al Reyadh W.T.	200	60	6	S.C	1500
03-02-00403	=	Al Reyadh W.T.	220	20	6	S.C	1500
03-02-00404	taameem	Al Abassy w.t.	140	70	2	S.C	1500
03-02-00405	=	Al Abassy w.t.	160	20	2	S.C	1500
03-02-00406	=	Al Daquk w.t.p	375	60	4	S.C	1500
03-02-00407	=	Al Daquk w.t.p	380	20	3	S.C	1500
03-02-00408	=	Taza W.T.	260	60	2	S.C	1500
03-02-00409	=	Taza W.T.	280	20	2	S.C	1500
03-02-00410	=	Hassan Village W.T.	80	20	2	S.C	1500
03-02-00411	=	Hassan Village W.T.	70	60	2	S.C	3000
03-02-00412	=	AL-Ton kubry new W.T.	450	90	5	S.C	1500
03-02-00413	=	AL-Ton kubry new W.T.	1000	90	5	S.C	1500
03-02-00414	=	Al Toon Kobry W.T.	400	60	4	S.C	1500
03-02-00415	=	Al Toon Kobry W.T.	420	20	4	S.C	1500
03-02-00416	=	Al DEBIS W.T.	600	20	4	S.C	1500
03-02-00417	=	Al DEBIS W.T.	800	20	3	S.C	1500

03-02-00418	=	Al DEBIS W.T.	600	20	4	S.C	1500
03-02-00419	=	Al DEBIS W.T.	300	60	6	S.C	1500
03-02-00420	=	Al DEBIS W.T./3300		500	2	S.C	1500
03-02-00421	Qadeseaya	Diwaniya W.T. *	1150	17	6	S.C	1500
03-02-00422	=	Diwaniya W.T. *	1000	16	6	S.C	1500
03-02-00423	=	Diwaniya W.T. *	225	64	2	S.C	1500
03-02-00424	=	Diwaniya W.T. *	350	21	1	S.C	1500
03-02-00425	=	Diwaniya W.T. *	600	10	1	S.C	1500
03-02-00426	=	Diwaniya W.T. *	1000	53	6	S.C	1500
03-02-00427	=	Diwaniya W.T. *	300	33	4	S.C	1500
03-02-00428	=	Diwaniya W.T. *	300	15	4	S.C	1500
03-02-00429	=	Diwaniya W.T. *	590	17	6	S.C	1500
03-02-00430	=	Al Shameayah W.T.	425	40	4	S.C	1500
03-02-00431	=	Al Shameayah W.T.	290	55	4	S.C	1500
03-02-00432	=	Al Shameayah W.T.	270	53	4	S.C	1500
03-02-00433	=	Al Shameayah W.T.	261	53	4	S.C	1500
03-02-00434	=	Al Qammas W.T.	150	40	6	S.C	1500
03-02-00435	=	Al Qammas W.T.	200	20	6	S.C	1500
03-02-00436	=	Al Bdeer W.T.	150	20	6	S.C	1500
03-02-00437	=	Al Bdeer W.T.	90	40	6	S.C	1500
03-02-00438	=	Al Dagara W.T.	300	24	4	S.C	1500
03-02-00439	=	Al Dagara W.T. (M.S)	90	84	4	S.C	3000
03-02-00440	=	Al Dagara W.T. (M.S)	150	73	4	S.C	1500
03-02-00441	Nenewa	Al-Mousel right bank w.t	1440	35	12	S.C	1500
03-02-00442	=	Al-Mousel right bank w.t	1380	90	8	S.C	1500
03-02-00443	=	Al-Mousel right bank w.t	1380	60	8	S.C	1500
03-02-00444	=	Al-Mousel right bank w.t	960	60	8	S.C	1500
03-02-00445	=	Al-Mousel lift bank w.t	1000	30	9	S.C	1500
03-02-00446	=	Al-Mousel lift bank w.t	960	60	9	S.C	1500
03-02-00447	=	Al-Mousel lift bank w.t	1190	80	9	S.C	1500
03-02-00448	=	Al-Mousel lift bank w.t	1190	53	8	S.C	1500
03-02-00449	=	Al-Mousel lift bank w.t	1000	80	8	S.C	1500
03-02-00450	=	Al-Mousel lift bank w.t	130	55	8	S.C	1500
03-02-00451	=	Hamam Al-Alel W.T.P	200	40	8	S.C	1500
03-02-00452	=	Hamam Al-Alel W.T.P	250	20	8	S.C	1500
03-02-00453	=	Al-Hather W.T.P	300	190	6	S.C	1500
03-02-00454	=	Al-Hather W.T.P	350	75	8	S.C	1500
03-02-00455	=	Al-Baiaj W.T.P	150	20	8	S.C	1500
03-02-00456	=	Makhmor W.T.P	400	50	8	S.C	1500
03-02-00457	=	Makhmor W.T.P	60	70	8	S.C	1500
03-02-00458	=	Makhmor W.T.P	100	120	8	S.C	1500
03-02-00459	=	Makhmor W.T.P	200	20	8	S.C	1500
03-02-00460	=	Al-Hamdanya W.T.P	200	60	8	S.C	1500
03-02-00461	=	Al-Hamdanya W.T.P	600	40	8	S.C	1500
03-02-00462	=	Al-Hamdanya W.T.P	210	35	8	S.C	1500
03-02-00463	Nenewa	Al-Shikan W.T.P	90	30	5	S.C	1500
03-02-00464	=	Rabia a W.T.P	150	20	2	S.C	1500
03-02-00465	=	Tal Akaif W.T.P (M.S)	100	255	8	S.C	1500
03-02-00466	=	Tal Akaif W.T.P	100	20	8	S.C	1500
03-02-00467	=	Tal Akaif W.T.P (M.S)	600	180	8	S.C	1500

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

03-02-00518	=	Al-Kware W.T.P (M.S)	100	200	2	S.C	1500
03-02-00519	=	Dabaka W.T.P(M.S)	75	200	2	S.C	1500
03-02-00520	=	Tal a fer W.T.P(M.S)	250	200	4	S.C	1500
03-02-00521	=	Tal a fer W.T.P(M.S)	150	200	2	S.C	1500
03-02-00522	=	Makhmor W.T.P (M.S)	150	200	6	S.C	1500
03-02-00523	=	Makhmor W.T.P	100	60	2	S.C	1500
03-02-00524	=	Makhmor W.T.P (M.S)	100	125	4	S.C	1500
03-02-00525	=	Makhmor W.T.P	200	20	4	S.C	1500
03-02-00526	=	Makhmor W.T.P (M.S)	400	160	3	S.C	1500
03-02-00527	=	Qadissia Boosting Station	200	35	6	S.C	1500
03-02-00528	=	Boosting Station inside n	400	50	6	S.C	1500
03-02-00529	=	Boosting Station inside n	90	60	4	S.C	1500
03-02-00530	=	Boosting Station inside n	400	60	6	S.C	1500
03-02-00531	=	Boosting Station inside n	144	40	6	S.C	1500
03-02-00532	=	Boosting Station inside n	500	60	4	S.C	1500
03-02-00533	=	Boosting Station inside n	500	50	4	S.C	1500
03-02-00534	=	Boosting Station inside n	60	40	9	S.C	1500
03-02-00535	=	Boosting Station inside n	400	50	2	S.C	1500
03-02-00536	=	Boosting Station inside n	500	60	8	S.C	1500
03-02-00537	=	Boosting Station inside n	640	80	4	S.C	1500
03-02-00538	=	Boosting Station inside n	500	60	6	S.C	1500
03-02-00539	=	Boosting Station inside n	400	50	7	S.C	1500
03-02-00540	=	Boosting Station inside n	500	50	3	S.C	1500
03-02-00541	Nenewa	Boosting Station inside n	250	40	3	S.C	1500
03-02-00542	=	Boosting Station inside n	20	40	2	S.C	1500
03-02-00543	=	Boosting Station inside n	144	60	14	S.C	1500
03-02-00544	=	Boosting Station inside n	200	60	2	S.C	1500
03-02-00545	=	Boosting Station inside n	600	50	3	S.C	1500
03-02-00546	=	Boosting Station inside n	250	60	2	S.C	1500
03-02-00547	=	Boosting Station inside n	300	60	4	S.C	1500
03-02-00548	=	Adnania / Dabaka	400	120	4	S.C	1500
03-02-00549	=	=	200	50	4	S.C	1500
03-02-00550	=	=	200	145	4	S.C	1500
03-02-00551	Anbar	Ramadi W.T.P	1000	68	2	S.C	1500
03-02-00552	=	New Ramadi W.T.P	300	20	4	S.C	1500
03-02-00553	=	Al-Fallaja W.T.P	700	80	4	S.C	1500
03-02-00554	=	Old Al-Fallaja W.T.P	350	50	4	S.C	1500
03-02-00555	=	Al-Namaia W.T.P	250	50	4	S.C	1500
03-02-00556	=	Unified Heet –Kabasia w	350	60	2	S.C	1500
03-02-00557	=	Kabasia W.T.P	150	160	2	S.C	1500
03-02-00558	=	Unified Heet –Kabasia w	60	53	2	S.C	1500
03-02-00559	=	Unified Heet w.t.p	30	61	2	S.C	1500
03-02-00560	=	Unified Heet Village w.t.	210	51	3	S.C	1500
03-02-00561	=	Old Heet w.t.p	250	40	2	S.C	1500
03-02-00562	=	Old Heet w.t.p	250	60	2	S.C	1500
03-02-00563	=	Yogaslive W.T.P	200	60	6	S.C	1500
03-02-00564	=	Al-Frait W.T.P	150	60	2	S.C	1500
03-02-00565	=	Al-Karma W.T.P	700	50	2	S.C	1500
03-02-00566	=	Al-Karhol Line	320	57	2	S.C	1500
03-02-00567	=	Al-Samah line	240	62	8	S.C	1500
03-02-00568	=	Al-Karma W.T.P	600	10	6	S.C	1500
03-02-00569	=	Al-Karma W.T.P	750	60	4	S.C	1500
03-02-00570	=	West –desert W.T.P	700	190	20	S.C	1500
03-02-00571	=	West –desert W.T.P	700	171	6	S.C	1500

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

TOTAL

2712

**Section -10 -
Ball Bearing**

Code	Gov. name	Ball Bearing no.	Qty.
03-02-00596	Nenewa	29324	100
03-02-00597	=	6026	100
03-02-00598	=	7317	250
03-02-00599	=	6317	250
03-02-00600	=	6224	100
03-02-00601	=	7224	100
03-02-00602	=	6226	100
03-02-00603	=	7310	250
03-02-00604	=	7312	250
03-02-00605	=	7313	200
03-02-00606	=	6316	100
03-02-00607	=	6318	100
03-02-00608	=	6319	100
03-02-00609	=	6320	100
03-02-00610	=	6322	100
03-02-00611	=	N4 224 E	150
03-02-00612	=	N3 22N	150
03-02-00613	=	N 312 E	150
03-02-00614	=	N4 322	250
03-02-00615	=	N4 317	250
03-02-00616	=	N4 318	250
03-02-00617	=	N4 319	200
03-02-00618	=	6220	100
03-02-00619	=	6211	150
03-02-00620	=	7214	100
03-02-00621	=	6217	100

03-02-00622	=		6222	100
03-02-00623	=		6314	100
03-02-00624	=		6216	100
03-02-00625	=		6212	100
03-02-00626	=		6306	100
03-02-00627	=		6311	100
03-02-00628	=		6406	100
03-02-00629	=		6308	100
03-02-00630	=		6312	100
03-02-00631	=		6307	100
03-02-00632	=		6309	100
03-02-00633	=		6312	100
03-02-00634	=		6313	100
03-02-00635	=		6411	100
03-02-00636	=		6305	100
03-02-00637	=		6209	100
03-02-00638	=	N4 215		100
03-02-00639	nenewa		3312	50
03-02-00640	Baghdad		6311	40
03-02-00641	=		6308	40
03-02-00642	=		6315	20
03-02-00643	=		6305	20
03-02-00644	=		6306	40
03-02-00645	=		6206	20
03-02-00646	=		6309	20
03-02-00647	=		6310	30
03-02-00648	=		6216	20
03-02-00649	=		6312	20
03-02-00650	=		6414	20
03-02-00651	=		6217	20
03-02-00652	=		6313	20
03-02-00653	=		6205	20
03-02-00654	=		6307	20
03-02-00655	=	6313 C3		30
03-02-00656	=	N 216 - E CP		30
03-02-00657	=	6209 C3		20
03-02-00658	=		6314	25
03-02-00659	=	N 317		25
03-02-00660	=	6310 C3		25
03-02-00661	Najaf		6311	100
03-02-00662	=		6322	115
03-02-00663	=		6319	150
03-02-00664	=		7314	150
03-02-00665	=		6314	100
03-02-00666	=		6212	120
03-02-00667	=		6306	120
03-02-00668	=		6309	120
03-02-00669	=		6324	120
03-02-00670	=		6317	100
03-02-00671	=		6307	100
03-02-00672	=		6313	120
03-02-00673	=		6316	15
03-02-00674	=		6320	20
03-02-00675	=		6311	20

03-02-00676	=	6315	20
03-02-00677	=	313 NU	20
03-02-00678	=	315	20
03-02-00679	Kerbala	MJ 2 1 / 2	32
03-02-00680	=	6320	16
03-02-00681	=	6414	15
03-02-00682	=	6314	40
03-02-00683	=	N U 318	10
03-02-00684	=	6318	20
03-02-00685	=	6307	24
03-02-00686	Kerbala	6306	14
03-02-00687	=	6206	16
03-02-00688	=	6308	20
03-02-00689	=	6310	30
03-02-00690	=	6307	20
03-02-00691	=	6311	12
03-02-00692	=	6312	12
03-02-00693	=	6411	12
03-02-00694	AL-Anbar	6410	90
03-02-00695	=	6305	90
03-02-00696	=	7311	25
03-02-00697	=	314 N S	25
03-02-00698	=	R M S 14	90
03-02-00699	=	R M S 159 / 16	50
03-02-00700	=	1 4 3	50
03-02-00701	=	1 4 1	50
03-02-00702	=	6204	10
03-02-00703	=	6304	50
03-02-00704	=	6310	50
03-02-00705	=	6209	50
03-02-00706	=	6321	25
03-02-00707	=	6317	140
03-02-00708	=	6318	25
03-02-00709	=	7321	25
03-02-00710	=	6224	25
03-02-00711	=	N S 624	25
03-02-00712	=	6315	25
03-02-00713	=	6312	25
03-02-00714	=	6307	25
03-02-00715	=	6306	25
03-02-00716	=	7310	25
03-02-00717	=	3301	25
03-02-00718	=	3310	25
03-02-00719	=	6000	75
03-02-00720	=	6205	75
03-02-00721	=	6206	75
03-02-00722	=	6308	75
03-02-00723	=	6309	75
03-02-00724	=	6311	25
03-02-00725	=	6300	50
03-02-00726	=	6312	25
03-02-00727	=	6313	25
03-02-00728	=	6406	25

03-02-00729	=		216	50
03-02-00730	=		212	50
03-02-00731	=		309	25
03-02-00732	=		7320	25
03-02-00733	AL-Anbar	NU 320		50
03-02-00734	=	NU 318		50
03-02-00735	=	NU 311		10
03-02-00736	=		3311	50
03-02-00737	Qadissia		6216	80
03-02-00738	=		6310	60
03-02-00739	=	6314 ZZ		48
03-02-00740	=	6216 Z Z		40
03-02-00741	=	6312 2 R S		80
03-02-00742	=		6211	30
03-02-00743	=	N U - 22125		40
03-02-00744	=		3211	40
03-02-00745	=	6315 / C3		40
03-02-00746	=	N U 2305		40
03-02-00747	=	56207 NA		40
03-02-00748	=	FG 207		40
03-02-00749	=	22216 H C		50
03-02-00750	=	NU P 309 E N		50
03-02-00751	=	63062 Z		25
03-02-00752	=		30207	40
03-02-00753	=	6308 2 R S		90
03-02-00754	=	6317 C 3		80
03-02-00755	=	6320 C 3		40
03-02-00756	=		6321	24
03-02-00757	=	N 321		24
03-02-00758	=		6217	32
03-02-00759	=	N 217		32
03-02-00760	=		6309	80
03-02-00761	=		6311	90
03-02-00762	=		6316	50
03-02-00763	=		6305	100
03-02-00764	=		6414	50
03-02-00765	=		6313	50
03-02-00766	=	N U 316		60
03-02-00767	=	N U 314		60
03-02-00768	=	NU 2220		40
03-02-00769	=	6220 C3		40
03-02-00770	=	7316 B		30
03-02-00771	=	N U 320		30
03-02-00772	=	23026 E S		30
03-02-00773	=	29426 E		30
03-02-00774	=		31315	40
03-02-00775	=	2316 NU		40
03-02-00776	=		23230	8
03-02-00777	=	22316 C		8
03-02-00778	=	24152 C		8
03-02-00779	=	24136 C		8
03-02-00780	Qadissia	7310 B		40
03-02-00781	=	7310 C3		150
03-02-00782	=	7312 C3		150

03-02-00783	Tameem	6310	90
03-02-00784	=	6309	60
03-02-00785	=	6308	50
03-02-00786	=	6307	80
03-02-00787	=	6311	20
03-02-00788	=	6305	46
03-02-00789	=	6306	30
03-02-00790	=	6315	32
03-02-00791	=	6322	30
03-02-00792	=	6210	25
03-02-00793	=	6312	12
03-02-00794	Mesaan	6305	50
03-02-00795	=	6306	50
03-02-00796	=	6308	50
03-02-00797	=	6309	50
03-02-00798	=	6310	50
03-02-00799	=	6311	50
03-02-00800	=	6411	50
03-02-00801	=	6410	50
03-02-00802	=	6314	50
03-02-00803	=	6315	50
03-02-00804	=	6316	50
03-02-00805	=	6317	50
03-02-00806	Muthana	6312 C3	100
03-02-00807	=	7314	100
03-02-00808	=	N 314	120
03-02-00809	=	6308 C3	120
03-02-00810	=	1 1 4	100
03-02-00811	=	N 1 1 / 4	80
03-02-00812	=	N U 222	100
03-02-00813	=	6217	80
03-02-00814	=	6306	150
03-02-00815	=	6308	120
03-02-00816	=	6312	200
03-02-00817	=	6305	200
03-02-00818	=	G 204	100
03-02-00819	=	6212	110
03-02-00820	=	6208	120
03-02-00821	=	6206	150
03-02-00822	=	6315	80
03-02-00823	=	6316	75
03-02-00824	=	6317	100
03-02-00825	=	7314 B	50
03-02-00826	=	314 N	50
03-02-00827	Muthana	222 N	12
03-02-00828	=	6309	50
03-02-00829	=	6310	50
03-02-00830	=	6307	50
03-02-00831	Basrah	692 Z1	170
03-02-00832	=	6407 Z2	180
03-02-00833	=	6211 Z2	160
03-02-00834	=	6410 Z2	190
03-02-00835	=	6314 Z2	300
03-02-00836	=	6309 Z2	300

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

03-02-00891	=		3314	50
03-02-00892	=		3315	50
03-02-00893	=		3316	50
03-02-00894	=		3317	50
03-02-00895	=		3318	50
03-02-00896	=		3319	50
03-02-00897	=		3320	50
03-02-00898	=		7305	50
03-02-00899	=		7306	50
03-02-00900	=		7307	50
03-02-00901	=		7308	50
03-02-00902	=		7309	50
03-02-00903	=		7310	50
03-02-00904	=		7311	50
03-02-00905	=		7312	50
03-02-00906	=		7313	50
03-02-00907	=		7314	50
03-02-00908	Diala		6308	1900
03-02-00909	=		6315	790
03-02-00910	=		6309	1950
03-02-00911	=		6305	250
03-02-00912	=		6207	200
03-02-00913	=		6209	600
03-02-00914	=		6307	200
03-02-00915	=		6310	5000
03-02-00916	=		6312	2500
03-02-00917	=		6313	600
03-02-00918	=		6409	700
03-02-00919	=		6306	600
03-02-00920	=	R M S 14		2000
03-02-00921	Diala		6216	500
03-02-00922	=		6204	500
03-02-00923	=		6316	300
03-02-00924	=		6206	300
03-02-00925	=		6208	300
03-02-00926	=	633 L Z		300
03-02-00927	=		6410	400
03-02-00928	=		6304	100
03-02-00929	=	R M S 10		300
03-02-00930	=	R M S 12		300
03-02-00931	Salaheldeen		6305	570
03-02-00932	=		6307	420
03-02-00933	=		6308	524
03-02-00934	=		6311	330
03-02-00935	=		6313	300
03-02-00936	=		6315	636
03-02-00937	=		6317	250
03-02-00938	=		6318	310
03-02-00939	=		6319	175
03-02-00940	=		6406	100
03-02-00941	=		6411	120
03-02-00942	=		6312	269
03-02-00943	=	N U 317		150
03-02-00944	=	N U 319		150

03-02-00945	=	NU 322	150
03-02-00946	=	N U 318	150
03-02-00947	=	6205	200
03-02-00948	=	6208	200
03-02-00949	=	6210	200
03-02-00950	=	6212	200
03-02-00951	=	N U 315	220
03-02-00952	=	R M S 10	220
03-02-00953	=	R M S 16 / 15	20
03-02-00954	=	2 R S 6309	16
03-02-00955	=	2 R S 6307	16
03-02-00956	=	2 R S 6306	12
03-02-00957	=	2 R S 6308	16
03-02-00958	=	M J I 3 / 4	20
03-02-00959	=	N U 319	88
03-02-00960	=	N U 219	20
03-02-00961	=	7316	60
03-02-00962	=	N 212	16
03-02-00963	=	N 313	16
03-02-00964	=	6310	168
03-02-00965	=	6309	20
03-02-00966	=	6314	56
03-02-00967	=	6308	8
03-02-00968	Salaheldeen	7309	40
03-02-00969	=	7310	30
03-02-00970	=	7311	120
03-02-00971	=	7312	80
03-02-00972	=	7314	100
03-02-00973	=	N 324	40
03-02-00974	=	6306	60
03-02-00975	=	N U 312	40
03-02-00976	=	6313	20
03-02-00977	=	N U 215	20
03-02-00978	=	N U 216	20
03-02-00979	=	1 3 / 4	50
03-02-00980	=	6317	91
03-02-00981	=	6206	10
03-02-00982	=	R M S 14	50
03-02-00983	=	M Z T 13 / 19	28
03-02-00984	=	6319 NU	25
03-02-00985	=	6318 NU	10
03-02-00986	Thiqar	6004	50
03-02-00987	=	6206	50
03-02-00988	=	6305	103
03-02-00989	=	6306	122
03-02-00990	=	6307	174
03-02-00991	=	6308	92
03-02-00992	=	6309	152
03-02-00993	=	6310	74
03-02-00994	=	6311	95
03-02-00995	=	6312	79
03-02-00996	=	6313	84
03-02-00997	=	6314	64
03-02-00998	=	6315	80

03-02-00999	=		6316	120
03-02-01000	=		6317	90
03-02-01001	=		6207	70
03-02-01002	=		6208	70
03-02-01003	=		6209	70
03-02-01004	=		6210	120
03-02-01005	=		6215	120
03-02-01006	=		6217	110
03-02-01007	=		6406	100
03-02-01008	=		6405	100
03-02-01009	=		3318	300
03-02-01010	=		2211	100
03-02-01011	=		22320	100
03-02-01012	=	N U 320 / C3		100
03-02-01013	=	N U 318		100
03-02-01014	=		3216	100
03-02-01015	Thiqar		3313	100
03-02-01016	=		220	100
03-02-01017	=	N U 218		100
03-02-01018	=		217	50
03-02-01019	=		7317	125
03-02-01020	=		216	100
03-02-01021	=		23026	100
03-02-01022	=		32318	100
03-02-01023	=		2317	200
03-02-01024	=		7411	200
03-02-01025	=		6416	200
03-02-01026	=		7320	70
03-02-01027	=		2209	140
03-02-01028	=		7409	25
03-02-01029	=	N 319		25
03-02-01030	=		6319	20
03-02-01031	=	N 207		20
03-02-01032	=	N 205		25
03-02-01033	=		6318	25
03-02-01034	=		6324	25
03-02-01035	=		2307	25
03-02-01036	=		6328	25
03-02-01037	=		3211	20
03-02-01038	=		6211	26
03-02-01039	=		6212	20
03-02-01040	=		5305	26
03-02-01041	=		6034	24
03-02-01042	=		1305	26
03-02-01043	=		3406	12
03-02-01044	=		6320	12

total

56250

SECTION 11

Mobile work shop truck

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

SECTION 12

Amphibious dredger

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

Section - 13 -**Wheel Loader (Shovels)**

Code	Description	Qty
03-02-01049	Wheel Loader (shovel)	500

SECTION 14**Fork lift**

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

SECTION 15**Lorry and trailer**

Code	Description	Qty
03-02-01051	1- Truck 2 ton	500
03-02-01052	2- Lorry 5 ton	150
03-02-01053	3- Lorry 10 ton	150
03-02-01054	4- Lorry 15 ton	150
03-02-01055	5- Trailer with lorry 35 ton	100
03-02-01056	6- Tipping truck with 12 m3 tipper body	400
03-02-01057	7- Low loader 35 ton	250
	TOTAL	1700

SECTION 16**Cars for transport employeres**

Code	Description	Qty
03-02-01058	Gasoline (Benzen), manual gear , capacity 21 passangers , with spare parts.	90
03-02-01059	Benzine engine , manual gear , capacity 14 passangers , with spare parts.	90
03-02-01060	Desil engine , manual gear , capacity 40 passangers , with spare parts.	220
	Total	400

SECTION 17**pick up - Cars**

Code	Description	Qty
03-02-01061	1/ 2 ton cpacity banzin enging , power steering , 2WD aircondition , 4 doors , with spare parts.	3000

TOTAL

740

**SECTION -20-
Vertical Pumps**

Code	Gov. Name	Project Name	Q (m3/hr)	H (m)	R.P.M.	Shaft length (m)	Qty	Suc.dia. mm	Del. dia. mm
03-02-01091	Basrah	C Sewage lifting station	1100	30	1450	2.1	3	300	250
03-02-01092		Basrah Sewage T.P	180	7.2	720	4.9	3	150	150
03-02-01093		Basrah unified w.t.p.*	1025	20	1480	6.2	5		
03-02-01094		Sewage station No. 14	900	20	1450	2.3	3	300	250
03-02-01095		Sewage station No. 3	250	7	1450	1.75	3	200	150
03-02-01096		Sewage station No.6& No.9	450	7	1450	2.25	3	250	200
03-02-01097		Sewage station No.6& No.9	900	9	1450	2.25	3	300	250
03-02-01098		Sewage station No.16 &17	3000	12	980	2.45	6	500	500
03-02-01099		The 25 AQUA CU.*	1025	15	1480	6.2	10		350
03-02-01100	Thiqar	Area Sew. Station	500	10	970	5.1	4	250	200
03-02-01101	=	Nasseriah main sewage lifting stat.	1700	10	735	6.15	3	400	350
03-02-01102	=	Nasseriah main sewage lifting stat.	4000	10	585	4.6	3	600	550
03-02-01103	=	Nasseriah Sewa. T.P	250	20	970	7.2	3	250	200
03-02-01104	=	Nasseriah Sewa. T.P	1000	10	975	direct link (	3	300	250
03-02-01105	=	Nasseriah Sewa. T.P	500	10	970	direct link (	3	250	200
03-02-01106	=		1080	20	900		24		
03-02-01107	=		360	20	900		19		
03-02-01108	Thiqar		720	20	900		22		
03-02-01109	=		540	20	900		18		
03-02-01110	=	Sewage station	180	20	900		20		
03-02-01111	=	Sewage station	1800	20	900		2		
03-02-01112	Najaf	AL-Najaf sew. Project	1746	11.5	980		3		
03-02-01113		AL-Najaf sew. Project	90	12	960		4		
03-02-01114		AL-Najaf sew. Project	162	12.5	1450	motor direc	3		
03-02-01115		New Water T.P	1630	12	950		6		
03-02-01116	AL-Muthana	ALQitar Boosting Station	100	34	2900		3		
03-02-01117	Nenewa	AL-Mosul (left bank)* w.t.p.	2200	40	900	13.39	4	500	500
03-02-01118	=	AL-Mosul (left bank)* w.t.p.	2200	40	998		4	500	500
03-02-01119	=	Dindan W.T.P	450	15			4		
03-02-01120	=	Left bank W.T.P	1600	10	1450		4		
03-02-01121			435	20	1500		3		
03-02-01122	Babil	Hilla sew. T.P	180	20	1500	motor direc	3		
03-02-01123	=	Sewage station	4140	16	1500		3		
03-02-01124	Qaddisyia	Diwanya Sewage	432	18	1475		3	10	225
03-02-01125	=	Qaddisyia Sewage	325	14	970		1	225	150
03-02-01126	Salahdeen	Brawjly Borehole	50	132	2900		7		
03-02-01127		Brawjly W.T.P	50	40	2900		2		
03-02-01128		Brawjly Borehole	50	132	2900		4		

(*) : 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	300
03-02-01130	75	0.4	550
03-02-01131	100	0.4	150
03-02-01132	150	0.4	100
03-02-01133	250	0.4	100
03-02-01134	400	0.4	100
03-02-01135	500	0.4	100
03-02-01136	650	0.4	100
03-02-01137	850	0.4	100
03-02-01138	1000	0.4	100 **
03-02-01139	A-1250	0.4	100 ***
	B-1500	0.4	10
03-02-01140	1650	11 *	10
03-02-01141	2000	11 *	10
03-02-01142	3500	11 *	10

TOTAL

1840

* The speed of generator sets 750 r.p.m .

** With Synchronizing 8 No.

*** With Synchronizing 10 No. + One off them must be 11 kv

**Section - 22 -
Steel Reinforcement**

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

TOTAL

93200

**SECTION 23
Cotton And Rubber 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	500
03-02-01154	2-Ditto but with size 100mm.	500
03-02-01155	3-Ditto but with size 160mm.	500
03-02-01156	4-Ditto but with size 200mm.	500
03-02-01157	5- hose pipe cotton and rubber manufact	400
03-02-01158	6-Ditto but size 160 mm.	400

total

28000 ml

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

Code	Governorate name	Project name	
03-02-01159	Najaf	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	Jelwla	
03-02-01178	Diala	Al-Sadiya	
03-02-01179	Baghdad	Al-Rashdiya	
03-02-01180	Baghdad	Al-Mahmoodiya	
03-02-01181	Baghdad	Al-Madain –Al-Nahrawan	
03-02-01182	Al-Anbar	West desert	
03-02-01183	Al-Anbar	Althirhar	
03-02-01184	Babil	New Hilla	
03-02-01185	Kerbala	Project 7 nissan	
03-02-01186	Kerbala	Ain AL-Tamer	
03-02-01187	Al-Qadissiya	Al-Diwaniya	
03-02-01188	Wasit	Al kut	
03-02-01189	Wasit	Al Asisiya	
03-02-01190	Wasit	Al Suwera	
03-02-01191	Al-Muthana	Al-Rumatha	
03-02-01192	Thiqar	Al-Nassiriya	
03-02-01193	Thiqar	Al-Shatra	
03-02-01194	Thiqar	Suq Al-Shuge	
03-02-01195	Messan	AL-Amara	

**SECTION 25
Crossing rivers pipes**

Code	Description		Qty/m
	Ductile iron pipes Thrust resistance Joint (locked -Joint) complete with		
03-02-01196	a- 1000 mm dia		3000
03-02-01197	b- 900 mm dia		3000
03-02-01198	c- 800 mm dia		3000
03-02-01199	d- 700 mm dia		3000
03-02-01200	e- 600 mm dia		5000
03-02-01201	f- 500 mm dia		5000

03-02-01202	g- 450 mm dia		5000
03-02-01203	h- 400 mm dia		5000
03-02-01204	i- 350 mm dia		5000
03-02-01205	j- 300 mm dia		5000
03-02-01206	k- 250 mm dia		5000
03-02-01207	l- 200 mm dia		5000
03-02-01208	m- 150 mm dia		5000
03-02-01209	n- 100 mm dia		5000
Total			62000

**Section - 26 -
compact Unit**

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

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

Code	Description	QTY
03-02-01211	Valves for cylinder 1 ton	3000
03-02-01212	Valves for cylinder 50 kg .	3000
03-02-01213	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	11000 meter
03-02-01215	2- Ditto (800)mm dia.	9000 meter
03-02-01216	3- Ditto (900)mm dia.	8000 meter
03-02-01217	4- Ditto (1000)mm dia.	9000 meter
03-02-01218	5- Ditto (1200)mm dia.	10500 meter
03-02-01219	6- Ditto (1400)mm dia.	9000 meter
03-02-01220	7- Ditto (1600)mm dia.	8000 meter
03-02-01221	8- Ditto (1100)mm dia.	3500
03-02-01222	9- Ditto (1500)mm dia	14000
Total		82000

**SECTION 29
EXCAVATER**

Code	Description	Qty No.
03-02-01223	A- Backhoe loaders	120
03-02-01224	B-Wheel excavater	100
03-02-01225	C-Grawler excavater	120
Total		340

**SECTION 30
Dumpers**

Code	Description	QtyNo.
03-02-01226	- 1 ton capacity diesel engine , with spare parts	600

SECTION 31

Battries and battry charger

Code	Description	Qty No.
03-02-01227	Battries acid must be dry :-	
	60 A 10-12 cell	2000
	90 A 15 cell	2200
	135 A 20 cell	3200
	180 A 25 cell	2100
03-02-01228	Battries charger (380)V 3.ph, must be pc	30
Total		9530

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	2200
	2- 1100 x 20 PR 18 with tube and auxelaries	2000
	3- 1000 x 20 PR 16 with tube and auxelaries	500
	4- 900 x 20 PR 16 with tube and auxelaries	1000
	5- 750 x 16 PR 12 with tube and auxelaries	2000
	6- 700 x 16 PR 12 with tube and auxelaries	100
	7- 650 x 16 PR 12 with tube and auxelaries	200
	8- 650 x 14 PR 8 with tube	2000
	9- 185 x 14 PR 8 with tube	2000
	10- 195 x 14 PR 8 with tube	1000
	11- 700 x 15 PR 10 with tube and auxelaries	200
	12- 600 x 8 PR 15 with tube and auxelaries	100
	13- 600 x 10 PR 15 with tube and auxelaries	150
	14- 1200 x 24 with tube and auxelaries	2200
	15- 17.5 x 25 with tube and auxelaries	400
	16- 900 x 20 Smooth pr 16 with tube and auxelaries	250
	17- 1300 x 24 (agriculture type) with tube and auxelaries	600
	18- 20.5 x 25 (agriculture type) with tube and auxelaries	400
	19- 185 x 15 (agriculture type) with tube and auxelaries	200
	20- 175 x 13 (agriculture type) with tube and auxelaries	1000
	21-1400 x 24	50
	22- 16.9 x 28	50
	23- 15.5 x 38	50
Total		18500

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

SECTION 33**VEHICLES**

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

SECTION -34-**Carbage collection vehicles**

Code	Description	Qty/No.
03-02-01232	Carbage collection vehicles	500

SECTION -35-

Carbage Containers Hook Loader trucks & carbage container

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

SECTION - 36 -

WATER TANKER

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

SECTION - 37 -

Tractor with truck

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

SECTION - 38 -

Grader

Code	Description	Qty/No.
03-02-01239	Grader	250

SECTION -39-

BULLDOZER TRACTOR

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

SECTION -40-

PAVER FINISHER

Code	Description	Qty/No.
03-02-01241	PAVER FINISHER	150

Section (41)

**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	20
	2-	3T 8706	Glow plus	60
	3-	4N 0360	Glow plug	60
	4-	4N 3181	Motor	10
	5-	4N 6116	Pump	10
	6-	4N 7692	Crank shift	10
	7-	4N6860	cartridge	20
	8-	5N8501	Head cylinder	20
	9-	6N9915	Valve	120
	10-	6N9916	Valve	120
	11-	7N0128	Oil cooler	20
	12-	7N0165	Oil cooler	20
	13-	7N0449	Nozzele	120

14-	8N8220	Bearing	20
15-	8N8222	Bearing	120
16-	7N2177	Pump	10
17-	7N7750	Cartridge	20
18-	8N1188	Head cylinder	20
19-	8N1831	Nozzele	120
20-	8N3102	Piston	120
21-	8N3182	Piston	120
22-	8N5511	Cartridge	20
23-	8N7005	Nozzele	120
24-	8N8221	Bearing	120
25-	8N8225	Bearing	120
26-	8N8796	Nozzele	120
27-	2P1262	Guide	120
28-	7S9404	Ring	120
29-	6V2209	Kit casket	60
30-	1W1818	Valve	120
31-	1W1819	Valve	120
32-	1W6753	Compressor	10
33-		810498 Pump	10
34-	2P8889	Liner	120
35-	9S3068	Ring	120
36-	4W0788	Pump	120
37-	1U3953	Cartridge	20
38-	2P0484	Champer	120
39-	3G7658	Cartridge	20
40	8N8223	Bearing	20
41	8N8226	Bearing	20
42	8N8224	Bearing	25
43	2W6091	Ring	120
44	6V2971	Kit casket	60
45	9S1059	Kit casket	60
46	6N7527	Planger	120
47	5D9553	Cutting edge	120
48	7N2834	Kit repair	60
49	3T278	Motor	20
50	1U330	Tip	120
51	8S3970	Champer	160
52	6V292	Kit casket	60
53	6V2972	Kit casket	60
54	4W2448	Oil pump	20
55	5S7232	Valve	120
56	5S6452	Valve	120
57	6N9294	Alternator	60
58	5P9218	Kit casket	60
59	5P9225	Kit casket	60
60	5P9226	Kitcasket	60
61	8N1984	Rod	120
62	8N7924	Bearing	120
63	8N7933	Bearing	120
64	2P0661	Pump	20
65	4N7977	Shaft	60
66	4N7978	Shaft	50

Spare Part Of Volvo Cars

Code	Item.	p.No.	Des.	Qty./No.
03-02-01243	1-	275036	Cylinder. Liner Kit	300
	2-	275551	Gasket Kit cylinder head	180
	3-	275531	Complemntary kit engin over haul	100
	4-	275304	Piston ring Kit	300
	5-	467517	Oil pump	60
	6-	275570	Oil pump Kit	60
	7-	270100	Big end bearing Kit	420
	8-	270439	Main bearing Kit	490
	9-	270101	Big end bearing Kit	420
	10-	270440	Main bearing Kit	490
	11-	467915	Water pump	70
	12-	275615	Water pump Kit	100
	13-	423125	Pulley	50
	14-	467466	Fule injection. pump	70
	15-	243083	Fuel Feed pump	150
	16-	240808	pump unit	100
	17-	240423	Delivery valve	100
	18-	243742	Delivery valve relainer	150
	19-	76703	Hand pump	100
	20-	238896	Nozzle	600
	21-	467369	Turbo charge	50
	22-	240340	Start motor	50
	23-	240488	Solenoid switch	100
	24-	240493-	Starter solenide	100
	25-	1578140	Alternator	100
	26-	244343	Diode plate	50
	27-	244426	Carbon brush Kit	200
	28-	244340	Rotor	70
	29-	267143	Clutch	50
	30-	267236	Clutch Disk	50
	31-	1526047	Drive plate	50
	32-	267156	Release. bearing	50
	33-	1581204	Master cylinder	25
	34-	273660	Repair Kit	100
	35-	1526523	Clutch servo	30
	36-	273447	Repair Kit	100
	37-	232367	Centre bearing	150
	38-	1587787	Hydraulic pump	100
	39-	1695596	Plate	100
	40-	1695592	Shaft	100
	41-	1695594	Rotor Kit	100
	42-	1695545	Rotor Kit	100
	43-	1502201	Hub 24 "	100
	44-	1588406	Screw	500
	45-	362166	Nut	500
	46-	1584340	Roller bearing	50
	47-	184088	Roller bearing	50
	48-	1587792	Seal ring	50
	49-	1581604	Screw	500
	50-	1504951	Relay	1000

Spare Part Of Fouen Cars

Code	Item.	p.No.	Des.	Qty./No.
03-02-01244	1-		Clutch Disk	30
	2-		Cover Assy – Clutch	30
	3-		Bearing Clutch	50
	4-		Water Pump	20
	5-		Starter	20
	6-		Alternator	20
	7-		Clutch cover runing	20
	8-		Regulator	30
	9-		Regulator	30
	10-		Oil pump	15
	11-		Nozzele	30
	12-		Nozzele holder	30
	13-		Injection pump	10
	14-		Head cylinder	10
	15-		Crank shift	10
	16-		Fuel pump	30
	17-		Feefd pump	50
	18-		Radiator	20
	19-		Radiator	20
	20-		Universal joint	10
	21-		Cross joint	30
	22-		Main bearing	30
	23-		Bearing set connection	30
	24-		Bearing for universal joint	20
	25-		Front glass	20
	26-		Relay	50
	27-		Relay	50
	28-		Belt	60
	29-		Impact absorb resistance	30
	30-		Back right light	100
	31-		Back left light	100
	32-		Hand sign	30
	33-		Head lamp assy r.h.	100
	34-		Head lamp l.h.	100
	35-		Second front light r. h.	100
	36-		Second front light l.h.	100
	37-		Compressor	20
	38-		Horen	50
	39-		Horen	50
	40-		Gauge	50
	41-		Gauge	20
	42-		Gauge	20
	43-		Gauge	20
	44-		Gauge	30
	45-		Gauge	30
	46-		Water pump l.f.	10
	47-		Side Whipper	200
	48-		Middle wipper	200
	49-		Valve	200
	50-		Vacume	15
	51-		Silender	50
	52-		Starter	20
	53-		Alternator	20

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

A. Spare Part Of Hino Cars KB 422

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

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

B. Spare Part Of Hino Cars ZM model 1981

ode	Item.	Des.	Qty./No.
03-02-01246	1-	Cylinder head	270
	2-	Crank	88
	3-	Oil pump	50
	4-	Gasket	100
	5-	Compressor	20
	6-	Alternator	120
	7-	Startor	95
	8-	Ring Set	100
	9-	Bearing	180
	10-	Signal hand	30
	11-	Ring	60
	12-	Bearing	180
	13-	Vacum pump	170
	14-	Boostar	50
	15-	Injection. Pump	100
	16-	Element	1000
	17-	Front glass	30
	18-	Bush	310
	19-	Disc clutch	170
	20-	Cover assy -clutch	210
	21-	Cylinder clutch master	205
	22-	Piston for cylinder clutch	50
	23-	Bearing clutch	210
	24-	Piston for engine	310
	25-	Engine gasket over haul	200
	26-	Nozzel	1000
	27-	Feed pump	100
	28-	Pump base plat	180
	29-	Seal for vaccum pump	180
	30-	Engine assy sub	70
	31-	Engine assy short	35
	32-	Water pump	60
	33-	Impeller for water pump	50
	34-	Cross joint	30
	35-	Plate for universal joint	45

36-	Air valve	80
37-	Set of bush for com shaft	60
38-	Bush for connection rod	60
39-	Set of o-ring for cylinder l	80
40-	Front glass	80

C. Spare Part Of Hino Cars KY model 1981

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

Spare Part Of Kawsaky 70 , 80

Code	Item.	p.No.	Des.	Qty./No.
03-02-01248	1-	YZ 1136102190	Water pump	10
	2-	YZ 1811000451	stator	10
	3-	YZ 1812001780	Alter nator	10
	4-	YZ 9822500720	Cutt out	30

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

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

28	Valve ,intake (set)	30
29	Valve , Exhaust (set)	30
30	Gear ,tention	30
31	Chain	30
32	Gear, pump drive shaft	20
33	Tensioner ,chain	20
34	Damper	30
35	Damper	30
36	Pump assy,oil	25
37	Water pump	131
38	Coupling assy, fluid	131
39	Alternator	155
40	Regulator	20
41	Starter	151
42	Clutch, starter	139
43	Carburetor assy,	145
44	Cover assy,clutch	146
45	Disc clutch	146
46	Bearing clutch	146
47	Cylinder, master (clutch)	132
48	Cylinder kit	132
49	Cylinder clutch release	116
50	Cylinder kit	116
51	Transmission 5F,manual	140
52	Bearing (Front Hub inner)	30
53	Bearing (Front Hub outer)	30
54	Hub, Front wheel	10
55	Pump assy,vane	155
56	Gasket kit pwr/s	155
57	Rod, Tie, Rh	50
58	Rod, Tie, Lh	50
59	Rod, Tie, Rh , Lh	139
60	Arm ,steering idler	139
61	Cylinder master , Brake	159
62	Cylinder kit master,	159
63	Carrier, differential	150
64	Fuel pump	164
65	Bearing (Rear axle shaft)	30
66	radiator	180
B		
	Pick up(Engin 3y)	
	YN 68L- PRMD 5V	
	Trans/axle G52,G282	
1	Engin partial	104
2	Short block	104
3	Gasket kit over haul	204
4	Gasket kit ,valve drive	30
5	Cylinder head	101
6	Gasket cylinder head	50
7	Gasket head cover	50
8	Gauge oil level	10
9	Bearing main STD	20
10	Bearing main 0.25	20
11	Bearing main 0.50	20
12	Bearing main 0.75	20

13	Bearing main 1.00	20
14	Bearing Con Rod STD	20
15	Bearing Con Rod 0.25	20
16	Bearing Con Rod 0.50	20
17	Bearing Con Rod 0.75	20
18	Bearing Con Rod 1.00	20
19	Piston w/pin STD	20
20	Piston w/pin 0.50	20
21	Piston w/pin 0.75	20
22	Piston w/pin 1.00	20
23	Ring set ,piston STD	40
24	Ring set ,piston 0.50	40
25	Ring set ,piston 0.75	40
26	Ring set ,piston 1.00	40
27	Rod connecting	20
28	Crank shaft	10
29	Pulley,crank	5
30	Cear, crank timing	25
31	Gear ,cam shift	25
32	Bearing set ,cam shaft	50
33	cam shaft	10
34	Valve, intake set	25
35	Valve , Exhaust,set	25
36	Lifter ,valve ,set	25
37	Chain,	30
38	tensioner	30
39	Damper, chain	30
40	Oil pump	30
41	Pump water	114
42	Cap radiator	50
43	Spark plug, set NGK	150
44	Coil , ignition ND	50
45	Cord set	50
46	Alternator, w/outside Regulator	134
47	Regulator	30
48	starter	134
49	Clutch , starter	25
50	carburator	103
51	Pump , fuel	149
52	Fuel filter	200
53	Cover clutch	138
54	Disc,clutch	138
55	Bearing clutch release	138
56	Master cylinder clutch	99
57	Cylin, kit, master cylinder	100
58	Cyl. release	99
59	Cylinder kit	100
60	Tranmission , 5f	79
61	Spider kit	50
62	Bearing (axle shaft)	50
63	Bearing , Frt, inner	50
64	Bearing Frt outer	50
65	End (Tie rod) RH	104
66	End (Tie rod) LH	104

C

67	Rod ,Tie, LH,RH	104
68	Rod ,steering relay	30
69	Master cylinder ,brake	167
70	Cyl. Kit(master cyl.)	100
71	Booster, brake	131
72	Ball joint upper	100
73	Ball joint Lwr RH	50
74	Ball joint Lwr LH	50
75	Absorber shock , Frt	100
76	Absorber shock Rear	100
77	Bush lwr arm	100
78	Bush upper arm	100
79	Carrier assy – differntial	87
80	Radiator	118
	Pick up Engin 22R	
	RN 85L- PRM55 V,	
	Trans /axle G52 , G292	
1	Engin partial	108
2	Short block	108
3	Gasket kit over haul	193
4	Gasket kit ,valve drive	30
5	Cylinder head	105
6	Gasket cylinder head	50
7	Gasket head cover	50
8	Gauge oil level	10
9	Bearing main STD	20
10	Bearing main 0.25	20
11	Bearing main 0.50	20
12	Bearing main 0.75	20
13	Bearing main 1.00	20
14	Bearing Con Rod STD	20
15	Bearing Con Rod 0.25	20
16	Bearing Con Rod 0.50	20
17	Bearing Con Rod 0.75	20
18	Bearing Con Rod 1.00	20
19	Piston w/pin STD	20
20	Piston w/pin 0.50	20
21	Piston w/pin 0.75	20
22	Piston w/pin 1.00	20
23	Ring set ,piston STD	40
24	Ring set ,piston 0.50	40
25	Ring set ,piston 0.75	40
26	Ring set ,piston 1.00	40
27	Rod connecting	20
28	Universal joint	108
29	Radiator	111
30	Crank shaft	10
31	Gear , crank shaft timing	25
32	Gear cam shaft	25
33	Cam shaft	10
34	Valve intake , set	25
35	Valve Exhaust set	25
36	Chain	30
37	Tensioner , chain	30

38	Dumper No.1	30
39	Dumper No.2	30
40	Oil pump	30
41	Cover, timing	10
42	Water pump	101
43	Distributor	115
44	Alternator 12V , 45-50 A	128
45	Regulator outside	25
46	Starter assy,	128
47	Carburator	118
48	Pump assy , fuel	165
49	Cover assy, clutch	153
50	Disc assy clutch	153
51	Bearing release, clutch	153
52	Carrier assy, differential	87
53	Transmission 5F	79
54	Absorber, shock , Frt	50
55	Absorber, shock , Rear	50
56	Ball joint upper	30
57	Ball joint Lwr RH	50
58	Ball joint Lwr LH	50
59	Booster brake	151

Spare parts for Sakai

Code	Item.	Des.	p.No	Type	Qty./No
03-02-01250	1	Push rod inle	912575-0790	DA120	60
	2	Fan asm	913660-2820	Da 120	5
	3	Connrop-brg.se	912271-1460	DA 640	60
	4	Bearing set –cen	912271-6080	6 BDIT	30
	5	Conn. Rob. Brg	912271- 1210	DA120	75
	6	Pin piston	912211-6040	6 BDIT	150
	7	Piston pin	912211 –0660	DA640	60
	8	Pin piston	912211-0650	DA120	75
	9	Bearing	911693 – 0350	6 BDIT	50
	10	Crank brg. Kit	911510-1360	DA120	25
	11	Liner	911261 – 2880	SV90T	60
	12	V- belt	113671 –1460	DA640	100
	13	Pnnp assy	515750 –0010	6 BDIT	25
	14	Switch assy	581151 – 0360	6 BDIT	25
	15	Repair kit wate	587810 – 0980	6 BDIT	25
	16	Armature	181121-0070	DA640	35
	17	Mageneti switch	181151 – 0470	DA640	40
	18	Generator	181200- 205-0	DA640	80
	19	Starter asm	181211- 0025	DA120	10
	20	Rectifir assy	181219- 0330	DA640	25
	21	= =	181219 –0210	DA120	10
	22		187810-0902	DA120	10
	23	Repair kit	187810- 1421	DA620 +D/	100
	24	= =	187810- 1638	DA620 +D/	50
	25	= =	187810-1636	SV 90 T	25
	26	Cooler assy –oil	511280- 0080	6BD1T	10
	27	Pnmp assy –oil	213100 – 0901	6BD1T	25
	28	Liner cyl.	511261- 0130	DA640	90
	29	Stortor assy	181211- 0310	DA640	70

30	Ring set piston	112121 – 0090	DA640	120
31	Rod ams – coun.	112230 – 0250	DA120	50
32	Pump assy	4700- 73000-0	WM7708	5
33	Loeker assy	4700 – 76003-0	WM7708	10
34	Relay	4900- 52000-0	TS7409	5
35	Relay assy	4900- 86000-0	WM7708	10
36	Regulator	4902-27000-0	DA120	10
37	Nead ams	111110-0230	6BDIT	5
38	Nead ams cyl.	111110-3451	DA640	10
39	= = =	111110-0290	DA640	10
40	Gasket head	111141-0831	DA640	50
41	= =	111141-0902	6BDIT	50
42	Cover assy	111170-9350	6BDIT	5
43	Packing	111367 –067	DA640-DA'	40
44	Bearing kit	111510- 0360	6BDIT	50
45	Piston s.t.d	112111-1221	DA640	60
46	= =	112111-1261	DA120	60
47	= =	112111-2401	6BDIT	200
48	Pump	4203-92000-1	SV60T	10
49	Master syl.	4400-1500-0	TS7409	5
50	Repair lit	4400-1554-0	TS7409	25
51	Booster Assy	4400-16000-1	TS7409	5
52	Repair kit	4400-16061-0	TS7409	10
53	= =	4400-23008-0	TS7409	50
54	Radiator assy	4400-37000-0	TS7409	5
55	Master syl.	4400-67000-0	TS7409	10
56	Sylinder assy	4400-81010-0	TS7409	10
57	Bearing	4400-96000-0	740+WM77	20
58	Plate assy	4401-15000-0	= =	20
59	Lever kit	4401-15010-1	=	20
60	Cleander assy	4401-46000-0	WM7708	3
61		4401 – 16000-0	TS7409 +=	50
62	Radiator	4401-56000-0	=	13
63	Rod ams conn	112230-0250	DA120	40
64	= = =	112230-0280	DA640	100
65	Crank shaft asm	112310-2310	DA120	5
66	= = =	112310-0940	DA640	10
67	= = =	112310- 4070	6BDIT	5
68	Valve	112551 – 0240	=	60
69	Oil – pump	113100 – 0480	DA640	5
70	Water pump	113610 –1851	0	25
71	= = assy	113610 – 3490	6BIT	10
72	Gasket	114145 –0830	=	20
73	=	114400 –0470	DA640	25
74	=	1-114400-0721	6BDIT	5
75	Gase ass – turb	114410-0030	DA640	5
76	Rotor ass – turb	1144450 –0030	=	5
77	Pump asm – inj.	115600-0362	DA120	5
78	Pump assy –inj.	115600-8470	6BDIT	15
79	Printing pump assy	11561- 0010	6BDIT-DA1	20
80	Lement assy	121723 – 0192	DA640	10
81	Starter	181100-0432	DA120+ D/	30
82	=	181100- 1910	6BDIT	25
83	Brush	181116 – 0430	=	100

84	Diff. Assy	4404 -88001-0	SV90 T	2
85	Redator assy	4404 -89000-1	=	5
86	= =	4404 -89001-1	SV91 T	20
87	Valve	4407 - 61001-5	=	30
88	Cooler - assy	4404 - 89009-0	=	20
89	Radiator assy	4407 - 82000-1	=	5
90	Canvas	4700 - 01000-0	TS 7409	50
91	=	4700 - 03000-0	WM7708	50
92	Pump assy	4700 -10000-2	TS7409	50
93	Packing	4700-10028-0	=	10
94	Canvas	4700-65000-0	SV90T	50
95	=	28150- 1320	TS740	20
96	Switch assy	28150-1050	=	25
97	Motor assy	28100-1090	=	25
98	Generator assy	27020 -1100	WM7708	25
99	Pump assy fuel	22560-1350	DM100	25
100	Plug - glow	982513-9282	DM100	60
101	Ring set	13011-1350	DM100	50
102	Bearing set -st	13201-1140	DM100	25
103	Piston s /s	13216-1120	DM100	65
104	Crank -shaft ass	13400-1650	DM100	5
105	Gear assyidler	13505-1020	DM100	5
106	Rod sub -assy	13708-1070	DM100	60
107	Pump - assy	16100-1420	DM100	5
108	Fun sup-assy	16306-1510	DM100	5
109	Plug heater		19110 DM100	120
110	Pump assy -fuel	22030-1070	DM100	5
111	Pump -priming	22509-1090	DM100	25
112	Bearing set -st-	11701-1170	DM100	25
113	Liner cyl. Sys.	11467-1440	DM100	120
114	Generator	982200-4851	DA120	20
115	Clow plug	982511-9940	DA640	120
116	Feed pump ass		9813500611 DA640	30
117	Injection	981200-09442	DA640	25
118	Piston	919161-0110	DA120	10
119	Air compressor	919100-0963	DA120	5
120	Screw	915345-0040	DA120	30
121	Seal ring	914149-6530	DA640	20
122	Gasket	915339-0560	DA120	15
123	Water outer	913711-3300	DA640	5
124	Gasket	914145-0530	DA120	60
125	Pump	4403-87000-0	SV25	10
126	Mission assy	0606-21001-0	WM7708	1
127	Mission assy	0759-21007-0	TS7409	1
128	Shawaclever assy	0759-21008-0	=	3
129	Shaft assy	0759-39002-0	=	3
130	Plate	1026-21185-1	WM7708	6
131	Shaft	1726-21008-0	=	1
132	Control level	2409-00270-0	=	5
133	Roller chain	2440-14070-1	TS7409	50
134	Roller chain	2440-16076-1	WM7708	15
135	V - belt	2447-02041-0	=	25
136	V - belt	2447-12040-0	SV90T	25
137	Roller bearing	2513-32213-1	TS7409	10

138	Thermometer	2801-00100-0	WM7708+4	25
139	Speed meter	2806-00050-1	TS7409	10
140	Thermometer	2801-30100-1	WM7708	80
141	Starting switch	2820-0002-1	SV91+SV91	80
142	Starting switch	2820-0001-1	SV25	20
143	جيويس خزوج	2820-0002-1	WM7708	20
144	Mirror	2874-00200-1	WM7708	50
145	Pattery termina	2891-00016-3	WM7708+5	100
146	Bearing	3521-32001-0	WM7708 +	15
147	Pump	4203-87000-0		5
148	Engine assy	4020-00000-0	DA640	5
149	Water pump	16100-1161		5

Spare parts mercedes cars

Code	Item.	p.No.	Des.	Qty./N.
03-02-01251	A		SALOON 300 sel model 1989 chassie wdb 1260241 a378562	
			Engine assembluy	26
			Transmission manuel	24
			Carrier differential	24
			Torque converter	29
			Starter	31
			Alternator	31
			Cabrator assy	31
			Couplen Universal joint	30
			Fuel pump	31
			Cylinder master brake	31
			Radiator	31
			Gasket kit over hual	30
			Front glasses	31
			Nozzel	41
			Water pump	29
	B		LORRY MARCEDS	
			Engine assembluy	26
			Transmission manuel	24
			Carrier differential	24
			Torque converter	29
			Starter	31
			Alternator	31
			Cabrator assy	31
			Couplen Universal joint	30
			Fuel pump	31
			Cylinder master brake	31
			Radiator	31
			Gasket kit over hual	30
			Front glasses	31
			Nozzel	41
			Water pump	29

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

Code	Item.	Des.	P.no	Qty./No.
03-02-01252	1	Engin assy, - sub		76

2	Engin assy - short	75
3	Gasket kit over haul	76
4	Gasket kit valve grind	50
5	Sensor -crank shaft	30
6	Switch, oil pressure	50
7	Knock sensor	20
8	Timing case, front	30
9	Oil filter	1000
10	Oil seal , front timing case	50
11	Oil seal . rear engin	50
12	Cylinder head	50
13	Oil seal , cam shaft	50
14	Sensor , hall	20
15	Gasket- cyl. head	100
16	Bearing set, main 0.25	20
17	Bearing set, main 0.50	20
18	Bearing set, main 0.75	20
19	Bearing set, con 0.25	20
20	Bearing set, con 0.50	20
21	Bearing set, con 0.75	20
22	Crank shaft	10
23	Sprocket- crank shaft	25
24	Pully – dumper	10
25	Ring set- piston STD	30
26	Ring set- piston 0.25	30
27	Ring set- piston 0.50	30
28	Ring set- piston 0.75	30
29	Piston and pin /set STD	15
30	Piston and pin /set 0.25	15
31	Piston and pin /set 0.50	15
32	Piston and pin /set 0.75	15
33	Piston and pin /set 1.00	15
34	Plat -drive	50
35	Valve set exhauste	50
36	Valve set intake	50
37	Seal –valve stem\ set	50
38	Cam shaft	15
39	Sprocket –cam shaft	10
40	Belt –valve timing	500
41	Pump coolant	76
42	Motor –radatiator coolant fan	150
43	Radiator	75
45	Filter air cleaner	300
46	Sensor – air flow	75
47	Pump – fuel	151
48	Filter – fuel	500
49	Injector – fuel /set	50
50	Sensor- throttle position	75
51	Switch ,throttle body idle	30
52	Spark plag (a) set	2000
53	Coil - ignitiqn	151
54	Cable set – spark plug	250
55	Starter motor MTA	76
56	Starter motor ATA	25

57	Switch starter	50
58	Clutch –over running	50
59	Armature, starter	25
60	Holder – brush	50
61	Generator -assy	41
62	Bearing –Gen –Front	50
63	Rotor –Gen	20
64	Starter –Gen	30
65	Bearing –Gen -rear	50
66	Rectifire –Gen	50
67	Regulator	50
68	Disc –clutch	200
69	Cover assy,clutch	200
70	Bearing-clutch release	200
71	Fork -release	75
72	Cylinder –clutch master	76
73	Cylinder kit	500
74	Cylinder clutch release	76
75	Trans axle –manual	35
76	Trans axle-automatic	36
77	Cable shift	50
78	Torque converter	76
79	Seal kit trans/auto	50
80	Disc –front clutch	200
81	Disc - rear clutch	200
82	Band	50
83	Bearing – front wheel /hub	50
84	Hub –front wheel	50
85	Disc –front wheel	50
86	Ball joint	100
87	Shock absorber ,front	100
88	Shock absorber ,rear	100
89	Pump steering	41
90	End ,tie rod	100
91	Caliper ,RH ,brak	10
92	Caliper ,LH ,brak	10
93	Seal kit , caliper	200
94	Cylinder ,master brake	76
95	Seal kit , master	200
96	Booster ,brake	10
97	Lamp assy rear , LH	25
98	Lamp assy rear , RH	25
99	Head lamp assy LH	25
100	Head lamp assy RH	25
101	Control module, ATA	10
102	omputer assy, ECM engin	10
103	Map sensor	75
104	Relay , ECM control	50
105	Drive shaft ,LH,RH	127
106	Front glass	125

Spare parts for oldes mobil cars

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

55	Pump –power steering	36
56	Gear housing –powerls	35
57	Trans axle AIT	54
58	Torque convertor	74
59	Absorber – front	50
60	Shock absorber -rear	50
61	Insulator, front shock	50
62	Insulator, rear shock	50
63	Water pump	81
64	Siprentin belt	100
65	Belt tensioner	10
66	Front wheel hub with bearing	186
67	rear wheel hub with bearing	186
68	Front drive shaft LH	25
69	Front drive shaft RH	25
70	Radiator	69
71	AC compressor	10

Spare parts for chevrolet (G.M.C)

Code	Item.	p.No.	Des.	Qty./No.
03-02-01254	1-		Engine assembly	65
	2-		Transmission manual	65
	3-		Carrier differential	55
	4-		Universal joint	81
	5-		Starter	73
	6-		Alternator	73
	7-		Cabrator assy	75
	8-		Cover assy , clutch	85
	9-		Disc clutch	85
	10-		Bearing (clutch release)	85
	11-		Delco	75
	12-		Fuel pump	93
	13-		Pump assy ,vane	43
	14-		Cylinder master brake	68
	15-		Power brake	73
	16-		Radiator	79
	17-		Gasket kit ,overhaul	113
	18-		Cylinder head	57
	19-		Water pump	70
	20-		Cross joint	141
	21-		Cylinder master clutch with kit	128
	22-		Cylinder master clutch with kit	128

Spare parts for Land cruiser

Code	Item.	p.No.	Des.	Qty./No.
03-02-01255	1-		Engine assembly	65
	2-		Transmission manual	65
	3-		Carrier differential	55
	4-		Universal joint	81
	5-		Starter	73
	6-		Alternator	73
	7-		Cabrator assy	75
	8-		Cover assy , clutch	85
	9-		Disc clutch	85
	10-		Bearing (clutch release)	85

11-	Delco	75
12-	Fuel pump	93
13-	Pump assy ,vane	43
14-	Cylinder master brake	68
15-	Power brake	73
16-	Radiator	79
17-	Gasket kit ,overhaul	113
18-	Cylinder head	57
19-	Water pump	70
20-	Cross joint	141
21-	Cylinder master clutch with kit	128
22-	Cylinder master clutch with kit	128

Spare parts for EVA lory

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

Spare parts for WAZ LORY

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

**SECTION(42)
Traffic Light Equipment**

Code No.	Description		Qty /No.
03-02-01258	controlled of intersections by traffic light system		300 intersections
	each intersection include the 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 cabinnet diesel enging, 1100 x 20 tyers size , 2 No. of batttries , 135 am 4No. jack with spare parts .		
	capacity 20 ton		100
	capacity 30 ton		100
	capacity 50 ton		100
	total		300

**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, Ith=25A, SK 812 003 for electrical genenator 1250 K.V.A	2
03-02-01261	1.2	ASEA contactor, EH 6-22E, lec 337-1, Vdelta E 0660, AC11 110-220 , 380 V, Ith=25A, SK 811 023 for electrical genenator 1250 K.V.A	2
03-02-01262	1.3	ASEA flag relay, 5615 453-D, N=11000, D=0, 132 mm, R=460 OHM., RxSF 1, RK 271-003-AD for electrical genenator 1250 K.V.A	4
03-02-01263	1.4	ASEA relay, RASA 4, RK861-001-BA, u1=u2, 110-120, V/220-240 V, 50-60 HZ., Df2 HZ. for electrical genenator 1250 K.V.A	4
03-02-01264	1.5	Spare parts for vertical cetrifugal pump, type HA 500/64-15, HALBERG registration No. PGG 14192/99-5, No. of relevant sectional drawing 127 5489-26-0104, Q=2200 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)	8
03-02-01266	1.5.2	Bearing bush. part (54.50). Dimension (109/127x100). Material (Silicon-Carbid)	100
03-02-01267	1.5.3	Deflector. Part NO. (50.10). Dimension (00/146x16). Material (ULTRAMID)	4
03-02-01268	1.5.4	Impiller. Part NO. (23.00). Dimension (LA667x77). Material (1.4408)	8
03-02-01269	1.5.5	Shaft screw. Part NO.(90.42). Dimension (M10x20). Material (A4-70)	200
03-02-01270	1.5.6	Shaft sleeve. Part NO. (52.30).Dimension (91/109x100). Material (Silicon -Carbid)	150
03-02-01271	1.5.7	Shaft sleeve. Part NO. (52.40). Dimension (A86/95x170). Material (1.4021.05)	8

SECTION 45
UPVC Pipes & fittings
for maintenance of the networks

Code	Description	Qty
03-02-01272		250000 m.l
03-02-01273	Ditto but (280)mm. dia. 10 bar	500000 m.l
03-02-01274	Ditto but (225)mm. dia. 10 bar	1000000m.l
03-02-01275	Ditto but (160)mm. dia. 10 bar	2000000 m.l
03-02-01276	Ditto but (110)mm. dia. 10 bar	3000000 m.l
03-02-01277	Ditto but (90)mm. dia. 10 bar	20000 m.l
03-02-01278		200000 m.l

03-02-01279	Holes drill machine for diameter 1/2", 3/4", 1" to drill the upvc pipes complete with accessories		200 No.
03-02-01280	1- All socket tees complets with eubber rings. 10 bar for dia (315x315)mm		2000 No.
03-02-01281	2- Ditto for dia (315x280)mm		2000 No.
03-02-01282	3- Ditto for dia (315x225)mm		2000 No.
03-02-01283	4- Ditto for dia (315x160)mm		2000 No.
03-02-01284	5- Ditto for dia (315x110)mm		2000 No.
03-02-01285	6- Ditto for dia (280x280)mm		2000 No.
03-02-01286	7- Ditto for dia (280x225)mm		2000 No.
03-02-01287	8- Ditto for dia (280x160)mm		2000 No.
03-02-01288	9- Ditto for dia (280x110)mm		2000 No.
03-02-01289	10- Ditto for dia (225x225)mm		1000 No.
03-02-01290	11- Ditto for dia (225x160)mm		1000 No.
03-02-01291	12- Ditto for dia (225x110)mm		1000 No.
03-02-01292	13- Ditto for dia (225x90)mm		100 No.
03-02-01293	14- Ditto for dia (160x160)mm		1000 No.
03-02-01294	15- Ditto for dia (160x110)mm		1000 No.
03-02-01295	16- Ditto for dia (160x90)mm		100 No.
03-02-01296	17- Ditto for dia (110x110)mm		1000 No.
03-02-01297	18- Ditto for dia (110x90)mm		100 No.
03-02-01298	19- Ditto for dia (90x90)mm		50 No.
	Two end socket bend complete with rubber rings(10)bar as below:		
03-02-01299	1-900 bend for 315 mm dia		150 No.
03-02-01300	2- 450 bend for 315 mm dia		150 No.
03-02-01301	3- 221/2 bend for 315 mm dia		100 No.
03-02-01302	4- 900 bend for 280mm dia		200 No.
03-02-01303	5- 450 bend for 280 mm ia		150 No.
03-02-01304	6- 221/2 bend for 280 mm dia		100 No.
03-02-01305	7-900 bend for 225 mm dia		1000 No.
03-02-01306	8- 450 bend for 225mm dia		1000 No.
03-02-01307	9- 221/2 bend for 225 mm dia		750 No.
03-02-01308	10-900 bend for 160 mm dia		1000 No.
03-02-01309	11- 450 bend for 160mm dia		1000 No.
03-02-01310	12-900 bend for 110 mm dia		2000 No.
03-02-01311	13- 450 bend for 110mm dia		1000 No.
03-02-01312	Supplying (1000) mm dia UPVC socket and spigat pipe with rubber joint,according to the requireme		56000 ml
03-02-01313	Ditto (900)mm dia		120000 ml
03-02-01314	Ditto (800)mm dia		220000 ml
03-02-01315	Ditto (700)mm dia		300000 ml
03-02-01316	Ditto (600)mm dia		400000 ml
03-02-01317	Ditto (500)mm dia		310000 ml
03-02-01318	Ditto (400)mm dia		220000 ml
03-02-01319	Ditto (315)mm dia		70000 ml
03-02-01320	Ditto (250)mm dia		81000 ml
03-02-01321	Ditto (200)mm dia		150000 ml
03-02-01322	Ditto (160)mm dia		30000 ml
03-02-01323	Ditto (110)mm dia		150000 ml
03-02-01324	Ditto (80)mm dia		1000 ml
03-02-01325	Ditto (50)mm dia		2000 ml
03-02-01326	Supplying (200 x 110) mm dia UPVC tee junction 6 bar		8000 No.
03-02-01327	Ditto (250 x 110)mm dia		5000 No
03-02-01328	Ditto (300 x 110)mm dia		2000
03-02-01329	Ditto (110 x 500)mm dia		2000
03-02-01330	Ditto (110 x 600)mm dia		500 No
03-02-01331	Ditto (160 x 4000)mm dia		1000 No.

03-02-01332	Ditto (160 x 315)mm dia		500 No
03-02-01333	Ditto (160 x 400)mm dia		500 No
03-02-01334	Stoppers (110) mm dia		50000 No
03-02-01335	Ditto (160)mm dia		25000 No
03-02-01336	Ditto (110× 160)		2000
03-02-01337	Ditto (160 x 160) mm dia		3000
03-02-01338	Ditto (160 × 200)		2500
03-02-01339	Ditto but (200)mm diameter		3000 No
03-02-01340	UPVC tee janchon pipes (400 x 100)mm dia		1000 No
03-02-01341	Ditto (200 x 150)mm dia		4000 No
03-02-01342	Ditto (250 x 150)mm dia		10000 No
03-02-01343	Ditto (300 x 150)mm dia		3000 No
03-02-01344	Ditto (400 x 150)mm dia		3000 No
03-02-01345	Ditto (500 x 150)mm dia		3000 No.
03-02-01346	Ditto (600 x 150)mm dia		300 No
03-02-01347	Ditto (150 x 150)mm dia		4000 No

**SECTION 46
FIRE EXTINGUISHER FOAM**

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

**SECTION 47
EQUIPMENT FOR COMPRESSED AIR**

Code	Description	Qty
03-02-01349	Filling compressed air apparatus:-	40
	1- Designed to fill (charge) breathing cylinders apparatus.	
	2- charging pressure should be no less than 200 bar.	
	3- the apparatus should be working by electric motor no less than 2700 rpm . (three phases).	
	4- equipped with moisture and dust filters .	
	5- equipped with pressure meters to check outer cylinder .	
03-02-01350	Automatic multipurpose filling station to fill all kind of free extinguishers :	40
	The unit must be complete with the following sections :-	
	1. Automatics dry powder filling unit sacs the powder from any container and fill directory in to the extinguishers without making dust .	
	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 .	

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

SECTION 49**Fuel tanker**

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

SECTION 50**Command fire fighting vehicle**

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

Section (51)**Road Marking Machines**

Code No.	Item	Description	Qty.
03-02-01355	1	Road marking machines (large size) complete and ready for operation .	25
03-02-01356	2	Road marking machines (middle size) complete and ready for operation .	25

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 .	30000
		B. yellow color .	120000
03-02-01358	2	road studs (reflective pavement marker) size 10 x 10 x1.75 cm , one face in reflective for one directional viewing :	
		A. white color .	15000
		B. yellow color .	30000
03-02-01359	3	road studs (reflective pavement marker) size 22 x 10 x4.5 cm , both faces are reflective in the same color :	
		A. white color .	15000
		B. yellow color .	75000
03-02-01360	4	road studs (reflective pavement marker) size 22 x 10 x4.5 cm ,one face reflective :	
		A. white color .	7500
		B. yellow color .	30000
03-02-01361	5	conventional epoxy adhesive (one or tow - component) required to sticks and firmly to pavement of the above mentioned	700 Kg.
03-02-01362	6	Cones made of reflective material in two color (red and white) used for safety in road operation :	
		A. cones with height of 70 cm .	1500
		B. cones with height of 70 cm .	1500

Section (53)**spare parts for existing traffic light controllers**

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

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

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

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

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

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

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	50
	2	Bulb set f. working lamps	50
	3	Bulb set f. beacon lamps	50
	4	Glass f. beacon lamps	50
	5	Fuses (8, 16, 25A)	2000
	6	Electric control switch	10
	7	Head lamp glass , left	50
	8	Head lamp glass , right	50
	9	Blinker glass left	50

10	Blinker glass right	50
11	Blinker CPI. left	30
12	Blinker CPI. Right	30
13	Rear lamp CPI. left	30
14	Rear lamp CPI. Right	30
15	Wiper balde	100
16	Wiper arm	20
17	Rear view mirror	100
18	Tank cover	300
19	Inter come system	50
20	carrier wheel CPI	200
21	Type f. suoot	50
22	Wheel (Aiming device)	50
23	Type f. support wheel	200
24	(Aiming device)	30
25	Type for mercedes	30
26	Wiper motor .	50
27	Support wheel CPI. (Aiming device) .	30
28	Container f. brake fluid	80
29	Main brake cylinder .	80
30	Differential gear f. rear axle .	80
31	Exterior front wheel	80
32	Bearing	80
33	Speedo meter cable .	20
34	Ignition switch	40
35	Air filter insert	500
36	Oil filter insert .	500
37	fuel pump .	50
38	Water pump .	50
39	Carburetor	50
40	Voltage regulator .	30
41	Generator .	50
42	Radiator Assy .	30
43	Starter .	50
44	distributor CPI.	100
45	Conact set .	400
46	Ignition plug	2000
47	Gasket F. cylinder head	30
48	Engine gasket set	30
49	Muffler CPI. (silecer + pipe)	50
50	Oil pan gasket	100
51	Liquid clutch cpl (hydro-trawsn)	30
52	Oil filter F. autom	500
53	Diaphragm F. hot air .	300
54	Electrical main jet	100
55	Air regulator	50
56	Ignition plug V W	2000
57	Contact set V W .	40

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

	101	Solvent .	50
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Hand Spray Gun :

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

Hoses and connections :

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

Marking Head :

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

SECTION 55
Rescue vehicle (van)

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

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

Code No.	Description	Qty.
03-02-01371	Compacting Roiler (Steel- Steel Roller)	150

Section (57)
Tyre-Steel Roller Compactor

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

Section (58)
Pneumatic-Tyred Roller

Code No.	Description	Qty.
03-02-01373	Pneumatic-Tyred Roller	250

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	25

SECTION 61
Ductile Iron pipes & fittings

Code	Description	Qty
03-02-01376	Supplying (1200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the internat:onal standard (ISO - 2531) .	50000ml
03-02-01377	Ditto (1000) mm dia.	50000ml
03-02-01378	Ditto (900) mm dia.	50000ml
03-02-01379	Ditto (800) mm dia.	100000 KM
03-02-01380	Ductile iron double flanged bend with flanged socket and spigot	
	a- 1200 mm dia	
	- bend 900	500 No.
	b- 1000 mm dia	
	- bend 900	500 No.
	c- 900 mm dia	
	- bend 900	500 No.
	d- 800 mm dia body	
	- bend 900	850 No.

03-02-01381	- Ductile iron express double socket bends complete with rubber rings and stainless steel bolts /nuts with washers :-	
	A- 1200 mm dia	
	a.1- bend 450	500 No.
	a.2- bend 221/20	500 No.
	B- 1000 mm dia	
	b.1- bend 450	500 No.
	b.2- bend 221/20	500 No.
	C- 900 mm dia	
	c.1- bend 450	500 No.
	c.2- bend 221/20	500 No.
03-02-01382	Ductile Iron all flanged tee complete as per specified	
	A- 1200 mm dia . body	
	a.1-1200 mm dia . branch	100 No.
	a.2-1000 mm dia . branch	100 No.
	a.3-900 mm dia . branch	100 No.
	a.4-800 mm dia . branch	100 No.
	B- 1000 mm dia . body	
	b.1-1000 mm dia . branch	100 No.
	b.2-900 mm dia . branch	100 No.
	b.3-800 mm dia . branch	100 No.
	C- 900 mm dia . body	
	c.1-900 mm dia . branch	100 No.
	c.2-800 mm dia . branch	100 No.
	D- 800 mm dia . body	
	d.1- 800 mm dia . branch	100 No.
	d.2- 700 mm dia . branch	100 No.
	d.3- 600 mm dia . branch	100 No.
	d.4- 500 mm dia . branch	100 No.
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	100 No.
	b- (1000 x 900)mm dia	100 No.
	c- (1000 x 800)mm dia	100 No.
	d- (900 x 800)mm dia	100 No.
	e- (800 x 700)mm dia	50 No.
	f- (800 x 600)mm dia	50 No.
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) .	14000
03-02-01385	Ditto (1200) mm dia.	24500
03-02-01386	Ditto (1000) mm dia.	8000
03-02-01387	Ditto (900) mm dia.	52500
03-02-01388	Ditto (800) mm dia.	37500
03-02-01389	Ditto (700) mm dia.	39000
03-02-01390	Ditto (600) mm dia.	180000
03-02-01391	Ditto (500) mm dia.	68000
	Ditto (400) mm dia.	17000

	Ditto (300) mm dia.	45000
	Ditto (250) mm dia.	11000
03-02-01392	Ductile Iron double flanged bends with flanged socket and spigot	
	A- 1400 mm dia	
	bend 90 deg.	20NO.
	bend 45 deg.	20 NO
	bend 11 1/4 deg.	20 NO.
	bend 22 1/2 deg.	20 NO.
	B- 1200 mm dia	
	bend 90 deg.	10 NO.
	bend 45 deg.	10 NO.
	bend 11 1/4 deg.	10 NO.
	bend 22 1/2 deg.	10 NO.
	C- 1000 mm dia	
	bend 90 deg.	20NO.
	bend 45 deg.	20 NO
	bend 11 1/4 deg.	20 NO.
	bend 22 1/2 deg.	20 NO.
	D- 900 mm dia	
	bend 90 deg.	40 NO.
	bend 45 deg.	40 NO.
	bend 11 1/4 deg.	40 NO.
	bend 22 1/2 deg.	40 NO.
	E- 800 mm dia	
	bend 90 deg.	40 NO.
	bend 45 deg.	40 NO.
	bend 11 1/4 deg.	40 NO.
	bend 22 1/2 deg.	40 NO.
	F-700 mm dia	
	bend 90	10 NO.
	bend 45	10 NO.
	bend 22.5	10 NO.
	bend 11 1/4	10 NO.
	g- 600 mm dia	
	bend 90 deg.	40 NO.
	bend 45 deg.	40 NO.
	bend 11 1/4 deg.	40 NO.
	bend 22 1/2 deg.	40 NO.
	H-400 mm dia	
	bend 90 deg.	30 NO.
	bend 45 deg.	30 NO.
	bend 11 1/4 deg.	30 NO.
	bend 22 1/2 deg.	30 NO.
	I- 300 mm dia	
	bend 90 deg.	30 NO.
	bend 45 deg.	30 NO.
	bend 11 1/4 deg.	30 NO.
	bend 22 1/2 deg.	30 NO.
	J- 250 mm dia	
	bend 90 deg.	20NO.
	bend 45 deg.	20 NO
	bend 11 1/4 deg.	20 NO.
	bend 22 1/2 deg.	20 NO.

03-02-01393	- Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts with washers :-	
	A- 600 mm dia	
	a.1- bend 450	1500 No
	a.2- bend 221/20	500 No
	B- 500 mm dia	
	b.1- bend 450	2700 No
	b.2- bend 221/20	700 No
	C- 450 mm dia	
	c.1- bend 450	1000 No
	c.2- bend 221/20	500 No
	D- 400 mm dia	
	d.1- bend 450	1000 No
	d.2- bend 221/20	500 No
	E- 350 mm dia	
	e.1- bend 450	1000 No
	e.2- bend 221/20	500 No
	F- 300 mm dia	
	f.1- bend 900	1000 No
	f.2- bend 450	1000 No
	f.3- bend 221/20	500 No
	G- 250 mm dia	
	g.1- bend 900	1700 No
	g.2- bend 450	1700 No
	g.3- bend 221/20	1700 No
03-02-01394	A- Ductile iron double flange Butterfly Valves complete with flange socket and spigot pieces	
	1- 1400 mm dia	14 NO.
	2- 1200 mm dia	25 NO.
	3- 1000 mm dia	8 NO.
	4- 900 mm dia	53 NO.
	5- 800 mm dia	39 NO.
	6- 700 mm dia	42 NO.
	7- 600 mm dia	182 NO.
	8- 500 mm dia	68 NO.
	9- 400 mm dia	17 NO.
	10- 300 mm dia	45 NO.
	11- 250 mm dia	11 NO.
	B- Double kynatic air valves complete with surface boxes :-	
	100 mm dia	60 NO.
	C- SCOUR Valves as specified complete with all fittings and specials	
	100 mm dia	60 NO.
03-02-01395	Ductile Iron pipe of anchored standard joint (thrust-resistance) complete according to (ISO 2531) AS BELOW :-	
	1- 1000 mm dia .	1000 m.l
	2- 900 mm dia .	700 m.l
	3- 700 mm dia	800 m.l
	4- 400 mm dia	900 m.l
	5- 250 mm dia	600 m.l

03-02-01396	A- Ductile iron double flanged tapers complete with flanged socket & spigot pieces :-	
	(1400 × 1000) mm dia	4 NO
	(1000 × 900) mm dia	4 NO.
	(900 × 700) mm dia	8 NO.
	(600 × 400) mm dia	4 NO.
	B- Ductile iron double flanged tee complete with socket & spigot pieces :-	
	1400 mm dia . Body	
	100 mm dia branch	20 NO.
	1000 mm dia body	
	100 mm dia branch	20 NO.
	900 mm dia body	
	100 mm dia branch	20 NO.
	800 mm dia body	
	100 mm dia branch	20 NO.
	700 mm dia body	
	100 mm dia branch	30 NO.
	600 mm dia body	
	100 mm dia branch	30 NO.
	500 mm dia body	
	100 mm dia branch	30 NO.
	400 mm dia body	
	100 mm dia branch	30 NO.
	300 mm dia body	
	100 mm dia branch	30 NO.
	250 mm dia body	
	100 mm dia branch	30 NO.
	Ductile Iron flanged branch on double socket express tee complete with rubber rings and stainless steel bolts / nuts with wassher :	
	A- 600 mm dia . body	
	a.1-100 mm dia . branch	500 No.
	B- 500 mm dia . body	
	b.1-100 mm dia . branch	1000 No.
	b.2-150 mm dia . branch	1000 No.
	C- 450 mm dia . body	
	c.1-100 mm dia . branch	1000 No.
	c.2-150 mm dia . branch	1000 No.
	D- 400 mm dia . body	
	d.1- 80 mm dia . branch	500 No.
	d.2- 100 mm dia . branch	1000 No.
	d.3- 150 mm dia . branch	1000 No.
	E- 350 mm dia . body	
	e.1- 80 mm dia . branch	200 No.
	e.2- 100 mm dia . branch	1000 No.
	e.3- 150 mm dia . branch	1000 No.
	F- 300 mm dia . body	
	f.1- 80 mm dia . branch	200 No.
	f.2- 100 mm dia . branch	2000 No.
	f.3- 150 mm dia . branch	2000 No.

	G- 250 mm dia . body	
	g.1- 80 mm dia . branch	200 No.
	g.2- 100 mm dia . branch	1700 No.
	g.3- 150 mm dia . branch	1700 No.
	H- 200 mm dia. body	
	h. 1- 80 mm dia . branch	200 No.
	h. 2- 100 mm dia . branch	1700 No.
	h. 3- 150 mm dia . branch	1700 No.
03-02-01397	Supplying (200) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the internat:onal standard (ISO - 2531) .	500000 ml
	Ditto (150) mm dia.	200000
	Ditto (100) mm dia.	700000
	Ductile Iron all flanged tee complete with flanged socket and spigotas below :	
	A- 200 mm dia . body	
	200 mm dia . branch	1000 No.
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
	B- 150 mm dia . body	
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
	C- 100 mm dia . body	
	100 mm dia . branch	1000 No.
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	200 No.
	150 mm dia . branch	1000 No.
	100 mm dia . branch	1000 No.
	200 mm dia . branch	1000 No.
	B- 150 mm dia . body	
	80 mm dia . branch	100 No.
	100 mm dia . branch	500 No.
	150 mm dia . branch	500 No.
	C- 100 mm dia . body	
	80 mm dia . branch	100 No.
	100 mm dia . branch	500 No.
03-02-01399	- Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts and washers :-	
	A- 600 mm dia	
	bend 900	1500 No
	bend 450	1500 No
	bend 221/20	500 No
	B- 500 mm dia	
	bend 900	1500 No
	bend 450	1500 No

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

SECTION 62
Labratory mobile

Code	Description	Qty
03-02-01401	Labratory mobile	20

SECTION - 63 -
STARTERS

Starters Quantity as follow (Rating) in Amper with type

Code	Starters	Rating	Qty.
	Type	(A)	
03-02-01402	S-D	500	120
03-02-01403	S-D	400	80
03-02-01404	S-D	350	100
03-02-01405	S-D	320	110
03-02-01406	S-D	300	90
03-02-01407	S-D	250	150
03-02-01408	S-D	220	90
03-02-01409	S-D	200	104
03-02-01410	S-D	180	180
03-02-01411	S-D	160	90
03-02-01412	S-D	140	120
03-02-01413	S-D	120	127
03-02-01414	S-D	110	115
03-02-01415	S-D	100	120
03-02-01416	S-D	90	150
03-02-01417	S-D	80	70
03-02-01418	S-D	75	120
03-02-01419	S-D	60	200
03-02-01420	S-D	50	95
03-02-01421	S-D	45	255
03-02-01422	S-D	30	290
03-02-01423	S-D	22	350
03-02-01424	S-D	15	410
03-02-01425	S-D	11	180
03-02-01426	DOL	8	160
03-02-01427	DOL	6	260
03-02-01428	S-R (5 STAGE) WITH IMPEDANCE	1100	10
03-02-01429	S-R (5 STAGE) WITH IMPEDANCE	1300	2
03-02-01430	S-D	1000	2
	TOTAL		4150

SECTION - 64 -

A-CABLES

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

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

B:- Control Cables

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

Fuses

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

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

terminal (Lug)

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

TOTAL 18000

section - 65-

Laboratory testing chemical material & equipment

Code	Description	Qty
03-02-01492	Basket , round with handle , plastic coated wire, 180 mm diameter x 160mm high	50
03-02-01493	Bottle , flat sides , with aluminum screw cap , capacity ~ 200ml	500
03-02-01494	Bottle , Mc cartney , capacity 28 ml	200
03-02-01495	Diphram pump for gases and liquids with staples mechanical speed adjustment , to deliver air approx 300 -1200 ml/min	2
03-02-01496	Filter paper , 150 mm dia , whatmen 42	200 packs
03-02-01497	Kohlransch volumetric fiask with widened neck .volume 50 ml	200
03-02-01498	Laboratory conductivity meter range 0.0 to 10000 ms	30
03-02-01499	Conductivity cell for above meter , k >= 1	60

03-02-01500	Laboratory ph meter , accuracy + 0.01 ph	60	20 tubes each
03-02-01501	Combination electrode for above ph -meter	100	
03-02-01502	Petri dish sterilizing box 175 × 120 mm dia stainless steel	50	
03-02-01503	Silicon grease , low & medium viscosity	20 tubes each	
03-02-01504	Pipette sterilizing box , universal 65 mm dia for storage & sterilizing of pipette up to 420 mm long	50	
03-02-01505	Transformer, voltage output 1-12v in variable steps(including 3,4,5,6, 9 and 12 v) AC & DC current output 6 A, input 220v, 50hz, AC .	2	
03-02-01506	Water bath , 6 openings of 90 mm dia , stainless steel, removable cover .	8	
03-02-01507	Water bath , with cover , for bacteriological purpose stainless steel temperature control ~ 15 litre capacity , with necessary test tube racks.	6	
03-02-01508	Water distilling apparatus , all glass , 2-4 litre hour distillate conductivity > 2 ms /cm	15	
03-02-01509	Nessler, Lovibond BDH , with all necessary discs reagents for determination FE, Mn , NO ₃ , NH ₄ , NO ₂ color in water	15	
03-02-01510	Balance electronic capacity 160 g , precision +- 0.05 mg	6	
03-02-01511	Balance electronic capacity 2 kg , precision +- 0.19	15	
03-02-01512	Autoclave , vertical , ~ 30 litre capacity , with all necessary accessories & spare parts	6	
03-02-01513	Spectrophotometer , UV/ VIS , 155 -1000 nm with necessary cells & other accessories and spare parts	6	
03-02-01514	Over drying capacity 40- 60 litre , temperature up to 250C	5	
03-02-01515	Hot air sterilizer double door up to 250 C , capacity <= 12 litre working volume , with time switch up to 2 hours	3	
03-02-01516	Incubator , temperature up to 70 C , double door working volume <= 30 litre	6	
03-02-01517	BOD measure set , 6 sample bottles for manometric BOD measurement in thermobox 20 C with all necessary bottles & other accessories .	8	
03-02-01518	COD measure set , including 4 series flask heaters with all necessary glassware including round bottom flasks 250 ml with suitable condensers.	8	
03-02-01519	Furnace , muffle , temperature up to 1100 C , 3-5 litre working capacity.	3	
03-02-01520	Jar - tester , with 6 – mechanical stirrers , rpm regulator 0-200 rpm with necessary beaker & spare parts	15	
03-02-01521	Bottle , reagent , clear glass , autoclavable with glass cover , narrow neck capacity 250 ml	2000	
03-02-01522	Thermometer pocket mercury 10 to 50 C	50	
03-02-01523	Conical flask wide neck pyrex capacity 250ml	500	
03-02-01524	Conical flask wide neck pyrex capacity 500ml	200	
03-02-01525	Volumetric flask, class B , with stopper , capacity 50 ml	100	
03-02-01526	Volumetric pipette class B , capacity 2 ml	60	
03-02-01527	Graduated pipette class B , capacity 10 ml	250	
03-02-01528	Graduated pipette class B , capacity 1 ml	100	
03-02-01529	Test - tubes , soda line glass , 20 x 180 mm	2000	
	CHEMICALS		
03-02-01530	Ammonia Solution	100 lit	
03-02-01531	Ammonium Acetate		
03-02-01532	Barium chloride		
03-02-01533	Chloro form	50 lit	
03-02-01534	Endo Agar	5 kg	
03-02-01535	Ethylene diamine tetra acetic acid , No.		
03-02-01536	Hydrochloric acid , conc .		
03-02-01537	Ethyl Alcohol		
03-02-01538	MacConkey Agar	5 kg	
03-02-01539	MacConkey Broth	200 kg	
03-02-01540	Nutrient Agar	50 kg	

03-02-01541	Plate count Agar	5 kg
03-02-01542	Pota ssium Hydroxide	10 kg
03-02-01543	Pota ssium Ferrocynate	2 kg
03-02-01544	Silver nitrate	5 kg
03-02-01545	Sulphuric Acid , conc	50 lit
03-02-01546	silver sulphate	5 kg
03-02-01547	O -Tolidine , hcl	5 kg

Section (66)
Flow Rate Measuring Equipment

Code No.	Description	Qty.
03-02-01548	a. Flow rate measuring equipment for water supply projectes	200
	b. Ditto for house connection	2E+06
	TOTAL	2E+06

SECTION - 67 -
SEWAGE COMPACT UNIT

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

Section (68)
Bore Hole Drilling And Maintenance Machine

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

SECTION - 69 -
Spare parts for chlorinators

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

Section -70 -
Electric Motors

Code	Gov name	Project Name	KW	r.p.m	Type	Qty
03-02-01554	Wasit	1/ 4 million gallon C.U	30	1500	S.C	10
03-02-01555	Muothana	Rumaitha W.T.P	5.5	1500	V.S.C	15
03-02-01556	=	Rumaitha W.T.P *	0.15	1180	S.C	6
03-02-01557	Basrah	Karma C.U (1)	0.55	2900	V.S.C	12
03-02-01558	=	R.O / W.P.S	160	1500	S.C	3
03-02-01559	=	Karma C.U (2)	0.37	2900	V.S.C	4
03-02-01560	=	Kore -Al-Zber W.T.P	18.5	2930	S.C	10
03-02-01561	=	Kore -Al-Zber W.T.P	4	1500	V.S.C	6
03-02-01562	=	Kore -Al-Zber W.T.P	0.55	1500	V.S.C	3
03-02-01563	=	Kore -Al-Zber W.T.P	1.1	1500	V.S.C	2
03-02-01564	=	Al-Mudina W.T.P	45	1500	S.C	6
03-02-01565	=	Compact Unite	55	1500	S.C	42
03-02-01566	=	R.O / W.P.S	315	1500	S.C	9
03-02-01567	=	R.O / W.P.S	220	1500	S.C	4
03-02-01568	=	AQUA C.U.	7.5	1500	S.C	25
03-02-01569	=	(25) million Project	18.5	1500	S.C	25
03-02-01570	Missan	Unified W.T.P	120	1500	S.C	8
03-02-01571	=	Unified W.T.P	90	1500	S.C	8

03-02-01572	=	1/ 4 million gallon C.U	18.5	1500	S.C	20
03-02-01573	=	1/ 4 million gallon C.U	45	1500	S.C	20
03-02-01574	=	Unified Project	37.5	1000	S.C	8
03-02-01575	=	Al-Rafidan W.T.P	37.5	1500	S.C	8
03-02-01576	=	Raw Water B.S	150	750	S.C	4
03-02-01577	Diala	Baquba W.T.P	185	1500	S.C	10
03-02-01578	=	Baquba W.T.P	110	1500	S.C	10
03-02-01579	=	Baquba W.T.P	90	1500	S.C	10
03-02-01580	=	Baquba W.T.P	75	1500	S.C	10
03-02-01581	=	Baquba W.T.P	55	1500	S.C	10
03-02-01582	=	Baquba W.T.P	37	1500	S.C	10
03-02-01583	=	Baquba W.T.P	15	1000	S.C	10
03-02-01584	=	Kanaan W.T.P	30	1000	S.C	4
03-02-01585	=	Kanaan W.T.P	7.5	1400	S.C	4
03-02-01586	=	Baldroz	6	1000	S.C	12
03-02-01587	=	Al-Khalis *	1.5	1500	S.C	4
03-02-01588	=	Baldroz	3	1000	V.S.C	6
03-02-01589	=	Al-Saadiya W.T.P *	3.5	1000	S.C	1
03-02-01590	=	Kan Beni - Saad *	2	1000	S.C	6
03-02-01591	=	Kan Beni - Saad *	4	1000	V.S.C	10
03-02-01592	=	Kan Beni - Saad *	5	1000	V.S.C	4
03-02-01593	=	Jalawla W.T.P	1	1500	S.C	4
03-02-01594	=	Jalawla W.T.P	59	1500	S.C	6
03-02-01595	Nenewa	Motor for electric Valve	0.34	1350	S.C	50
03-02-01596	Nenewa	Motor for electric Valve	0.55	900	S.C	25
03-02-01597	=	Motor for electric Valve	0.27	900	S.C	20
03-02-01598	=	Motor for electric Valve	0.13	1400	S.C	20
03-02-01599	=	Motor for electric Valve	0.18	1400	S.C	20
03-02-01600	=	Mousal Right Bank W.T.P	510	1500	S.C	20
03-02-01601	=		510	1500	S.C	20
03-02-01602	=		250	1500	S.C	15
03-02-01603	=		200	1500	S.C	15
03-02-01604	=		185	1500	S.C	20
03-02-01605	=		160	1500	S.C	20
03-02-01606	=		120	1500	S.C	20
03-02-01607	=		100	1500	S.C	20
03-02-01608	=		75	1500	S.C	20
03-02-01609	=		50	1500	S.C	20
03-02-01610	=		37.5	1500	S.C	25
03-02-01611	=		25	1500	S.C	25
03-02-01612	=		18.5	1500	S.C	30
03-02-01613	=		12.5	1500	S.C	30
03-02-01614	=		7.5	1500	S.C	30
03-02-01615	Tameem	Bor –holles (submersible	15	3000	V.S.C	15
03-02-01616	=	Bor –holles (submersible	22	3000	V.S.C	10
03-02-01617	Salaheldeen	Bafaq C.U *	3	3000	S.C	150
03-02-01618	=	Al-Shirqad W.T.P	75	1500	S.C	10
03-02-01619	=	Al-Shirqad W.T.P	37.5	1500	S.C	10
03-02-01620	=	Al-Shirqad W.T.P	18.5	1500	S.C	8
03-02-01621	=	Old Al-Shirqad W.T.P	15	1500	S.C	10
03-02-01622	=	Old Al-Shirqad W.T.P	11	1500	S.C	10
03-02-01623	=	Old Al-Shirqad W.T.P	7.5	1500	S.C	10
03-02-01624	=	Talol Al-Baaj	160	3000	S.C	8
03-02-01625	=	Al-Jarnaf C.U.	60	1500	S.C	8

03-02-01626	=	Al-Shirqad No. (2)	22	1500	S.C	10
03-02-01627	=	Baaja C.U.	18.5	1500	S.C	10
03-02-01628	=	Al-Shirqad No. (2)	15	1500	S.C	10
03-02-01629	=	Bafaq C.U. in Al-Dor *	3	3000	S.C	20
03-02-01630	Baghdad	Al-Rashedya w.t.p forscr	1.5	1500	S.C	6
03-02-01631	Najaf	Sewage Project	5.5	1500	V.S.C	10
03-02-01632	=	Sewage Project	7.5	1500	V.S.C	10
03-02-01633	Qadissia	Diwanyah W.T.P	90	1500	S.C	15
03-02-01634	=	Diwanyah W.T.P	250	1500	S.C	10
03-02-01635	=	Diwanyah W.T.P	75	1500	S.C	15
03-02-01636	=	1/ 4 million gallon C.U	18.5	3000	S.C	20
03-02-01637	Qadissia	Diwanyah W.T.P	5.5	1500	S.C	10
03-02-01638	=	Diwanyah W.T.P	11	1500	S.C	20
03-02-01639	=	Diwanyah W.T.P	2.2	1000	V.S.C	4
03-02-01640	=	Sewage Project	45	1500	V.S.C	10
03-02-01641	Qadissia	Sewage Project	1.1	1500	V.S.C	2
03-02-01642	=	Diwanyah B.S	7.5	1500	S.C	10
03-02-01643	=	Diwanyah W.T.P	45	1500	V.S.C	10
03-02-01644	Anbar	west desert (B4)	670	1500	S.R	5
03-02-01645	=	west desert (all pump sta	540	1500	S.R	15
03-02-01646	=	west desert (A1)	450	1500	V.S.C	4
03-02-01647	=	west desert (T.P)	100	1500	S.C	8
03-02-01648	=	west desert (T.P) / P.S	11	1500	S.C	20
03-02-01649	=	west desert (B6)	380	1500	S.C	8
03-02-01650	=	west desert (T.P)	7.5	3000	S.C	10
03-02-01651	=	west desert (B)	160	1500	S.C	8

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* THE MOTOR MUST BE WITH FLANGE .

**SECTION -71 -
Cleaning Equipment**

Code	Description	Qty.			
03-02-01652	High tensile heavy duty steel 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.	3000			
03-02-01653	The same as the item (1) but one meter long	2000			
03-02-01654	Hand Ratchel for rotation of (10) mm sewer rod	300			
03-02-01655	Stone pickers for use in gulleys and silt - traps -from 1.5 m - 6.0 m (meter hands)	500			
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 .	150			
03-02-01657	Spraying NOZZLES 30 degree , 35 degree and 45 degree	60			

03-02-01658	Viking diving suits complete with breathing equipment and charged cylinder with oxygen gas enough at less two hours .				300			
03-02-01659	Heavy duty PVC gloves standard chrome leather for general purpose -size (10"),and (8") .				2000			
03-02-01660	Full body harness with chest safety harness				200			
03-02-01661	Portable Multigas Detector to gases O2 , H2S , CO WITH RECHARGEABLE BATTERY				60			
03-02-01662	Chisels for (10) mm rods				600	=		
03-02-01663	Drawing eye (for drawing rope or cable through drains or conduits) for steel rods				600	=		
03-02-01664	Pointed spearhead for rods				300			
03-02-01665	Socket holder for (10) mm rods				450			
03-02-01666	Crown root cutter suitable for cleaning pipe blockage (dual purpose, i.e. silt breaker or fibrous root cutter):(140) mm				300	=		
03-02-01667	Wheeled tool carrier for the steel rods				150			
03-02-01668	Rubber PVC (10-12) boots				1200			
03-02-01669	Face mask with filters giving acid gases				450			
03-02-01670	Universal rollers for the steel rod				300			
03-02-01671	Rod gripper for the rods				300			
03-02-01672	Rotating handle for the rods				300			

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

Code	Standard wire gauge	Size (mm)	Qty (ton)
03-02-01673	32.0	0.28	10
03-02-01674	31.0	0.29	10
03-02-01675	30.0	0.31	10
03-02-01676	29.0	0.35	10
03-02-01677	28.0	0.38	10
03-02-01678	27.0	0.43	10
03-02-01679	26.0	0.47	10
03-02-01680	25.5	0.48	10
03-02-01681	25.0	0.50	10
03-02-01682	24.5	0.54	10
03-02-01683	24.0	0.56	10
03-02-01684	23.0	0.61	10
03-02-01685	22.0	0.71	10
03-02-01686	21.5	0.75	10
03-02-01687	21.0	0.81	20
03-02-01688	20.0	0.90	20
03-02-01689	19.5	0.95	20
03-02-01690	19.0	1.00	20
03-02-01691	18.5	1.12	20
03-02-01692	18.0	1.20	20
03-02-01693	17.5	1.30	20
03-02-01694	17.0	1.40	20
	TOTAL		300

**SECTION 73
Strainers**

Code	Description	Qty NO.
03-02-01695	Flanged Strainer complete with foot valve :-	

a- (100) mm dia		250
b- (150)mm dia		350
c- (200) mm dia		500
d- (250) mm dia		500
e- (300) mm dia		500
f- (350) mm dia		500
g- (400) mm dia		500
h- (450) mm dia		500
i- (500) mm dia		500
j- (600) mm dia		300
k- (700) mm dia		100
Total		4500

SECTION 74

Valves

Code	Description	Qty NO.
03-02-01696		
a- 1200 mm. dia.		200
b- 1000 mm. dia.		200
c- 900 mm. dia.		200
d- 800 mm. dia.		250
e- 700 mm. dia.		200
f- 600 mm. dia.		300
g- 500 mm. dia.		600
h- 450 mm. dia		600
l- 400 mm. dia		600
j- 350 mm. dia		600
k-300 mm. dia		800
03-02-01697		
a- 450 mm. dia.		400
b- 400 mm. dia.		600
c- 350 mm. dia.		400
d- 300 mm. dia.		800
e- 250 mm .dia.		700
f- 200 mm .dia.		600
g- 150 mm .dia.		600
k- 100 mm. dia.		800
03-02-01698		
a-1200 mm dia		50
b- 1000 mm dia		50
a- 900 mm. dia.		100
c- 800 mm. dia.		100
d- 700 mm. dia.		100
e- 600 mm. dia.		150
f- 500 mm .dia.		200
g- 450 mm .dia.		250
h- 400 mm .dia.		250
l- 350 mm. dia.		400
j- 300 mm. dia.		400
k- 250 mm. dia.		500
i- 150 mm. dia		500
m- 100 mm. dia.		500
03-02-01699	Mechanical floot valves complete :-	
a- 700 mm dia		100
b- 600 mm dia		100

c- 500 mm dia	100
d- 400 mm dia	100
e- 300 mm. dia.	100
f- 250 mm. dia.	100
g- 200 mm. dia.	200
h- 150 mm. dia.	200
i- 100 mm. dia	200
03-02-01700 Double kynatic air valves complete with surfaca box :-	
- 100 mm dia	550

Total

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

Code	Capacity (ton)	Clear Width Of Pumping	Length Of Pumping Room (m)	Center To d	Dimensi	Height from	Quantit	Price (C.I.F)
03-02-01701	5	8.5	21	3.5	0.3× 0.5	5	10	
03-02-01702	5	8.5	21	3.5	0.3× 0.5	9	10	
TOTAL							20	

**SECTION - 76-
Bor holes Pumps**

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

**Section - 77 -
Air Blowers**

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

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

Code	Q m3/h	H m	Qty	Motor Type	R.P.M
03-02-01724	60	20	350	S.C	1500

03-02-01725	60	50	350	S.C	1500
03-02-01726	60	60	243	S.C	1500
03-02-01727	250	20	140	S.C	1500
03-02-01728	14	35	1300	S.C	3000
03-02-01729	200	25	200	S.C	1500
03-02-01730	200	50	200	S.C	1500
03-02-01731	200	60	200	S.C	1500
03-02-01732	100	100	18	S.C	1500
03-02-01733	50	71	45	S.C	1500
03-02-01734	90	100	92	S.C	1500
03-02-01735	120	100	295	S.C	1500
03-02-01736	250	200	13	S.C	1500
03-02-01737	200	150	14	S.C	1500
03-02-01738	75	20	14	S.C	1500
03-02-01739	75	60	14	S.C	2900
03-02-01740	50	20	35	S.C	1500
03-02-01741	180	80	14	S.C	1500
03-02-01742	140	40	13	S.C	1500
03-02-01743	100	255	20	S.L	1500
03-02-01744	150	200	50	S.L	1500

TOTAL

3620

**Section - 79-
Sewage Submersible Pumps**

Code	Capacity(m3/h)	Head(m)	Type of pump	Qty
03-02-01745	10	15	Raw Water	43
03-02-01746	100	25	Sewage	200
03-02-01747	200	25	Raw Water	170
03-02-01748	60	20	Raw Water	550
03-02-01749	300	20	Sewage	100
03-02-01750	150	20	Raw Water	100
03-02-01751	180	15	Sewage	20
03-02-01752	150	10	Raw Water	15
03-02-01753	900	20	Sewage	40
03-02-01754	80	20	Sewage	30
03-02-01755	70	20	Raw Water	60
03-02-01756	400	20	Sewage	75
03-02-01757	400	45	Raw Water	20
03-02-01758	20	15	Raw Water	186
03-02-01759	15	20	Raw Water	75
03-02-01760	800	25	Sewage	40
03-02-01761	14	35	Raw Water	54
03-02-01762	250	20	Sewage	124
03-02-01763	120	20	Raw Water	47
03-02-01764	2200	40	Raw Water	15
03-02-01765	1100	20	Raw Water	80
03-02-01766	600	20	Sewage	20
03-02-01767	500	20	Sewage	25
03-02-01768	35	15	Raw Water	57
03-02-01769	40	40	Raw Water	21
03-02-01770	60	40	Raw Water	23
03-02-01771	20	50	Raw Water	10
03-02-01772	500	50	Sewage	4

TOTAL

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SECTION 80
Cesspool empiter tanker

Code	Description	Qty NO.
03-02-01773	Cesspool empiter tanker	500

Section - 81 -
Thermal Over Load

Code	Rating(A)	Qty
03-02-01774	(480 - 510)	90
03-02-01775	(440-460)	150
03-02-01776	(240- 260)	250
03-02-01777	(190 - 220)	100
03-02-01778	(170- 200)	100
03-02-01779	(150-175)	70
03-02-01780	(140-160)	200
03-02-01781	(130- 150)	100
03-02-01782	(110-130)	175
03-02-01783	(105-125)	150
03-02-01784	(90 -110)	300
03-02-01785	(75- 105)	350
03-02-01786	(65- 80)	70
03-02-01787	(50- 70)	380
03-02-01788	(45 -57)	60
03-02-01789	(40 -80)	200
03-02-01790	(30 -50)	300
03-02-01791	(25 -35)	150
03-02-01792	(24 - 40)	285
03-02-01793	(20 - 60)	100
03-02-01794	(18 - 25)	70
03-02-01795	(15 -20)	200
03-02-01796	(9- 12)	260
03-02-01797	(3 - 6)	200
03-02-01798	(0.5 - 1.5)	100
03-02-01799	(0.4-1)	150

TOTAL 4560

Section - 82 -
Electrical And Mechanical Machine And Tools

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

SECTION 83

Fitting for maintenance		
Code	Description	Qty No.
03-02-01810	Stainless steel repair clamps with rubber gasket and stainless steel bolts :-	
	a- 600 mm. dia.	1000
	b- 500 mm .dia.	1000
	c- 450 mm .dia.	1000
	d- 400 mm .dia.	700
	e- 350 mm. dia.	600
	f- 300 mm. dia.	2000
	g- 250 mm. dia.	3000
	h- 200 mm. dia.	5000
	i- 150 mm. dia.	5000
	j- 100 mm. dia.	6000
03-02-01811	Couplings (Expansion joint)flat end for steel pipes :-	
	a- 800 mm. dia.	150
	b- 600 mm .dia.	150
	c- 500 mm .dia.	200
	d- 450 mm .dia.	200
	e- 400 mm. dia.	200
	f- 350 mm. dia.	300
	i- 300 mm. dia.	300
	j- 250 mm. dia.	300
	k- 200 mm. dia.	300
	l- 150 mm. dia.	300
03-02-01812	Ductile iron express collars complete with rubber rings stainless steel bolts/nuts and washers as below :-	
	a- 1000 mm. dia.	500
	b- 900 mm. dia.	500
	c- 800 mm. dia.	500
	d- 700 mm. dia.	500
	e- 600 mm. dia.	500
	f- 500 mm .dia.	600
	g- 450 mm .dia.	600
	h- 400 mm .dia.	600
	i- 350 mm. dia.	750
	j- 300 mm. dia.	750
	k- 250 mm. dia.	800
	l- 200 mm. dia.	1000
	m- 150 mm. dia.	1000
	n- 100 mm. dia.	1000
03-02-01813	Couplings (Expansion joint) flanged end for steel pipe :-	
	a- 800 mm. dia.	500
	b- 600 mm. dia.	500
	c- 500 mm. dia.	500
	d- 450 mm .dia.	500
	e- 400 mm .dia.	500
	f- 350 mm. dia.	500
	g- 300 mm. dia.	500
	h- 250 mm. dia	500
	l- 200 mm. dia	500
	j- 150 mm. dia	500

SECTION 84
Circuit breaker

Code	Rating(A)	Qty
------	-------------	-----

03-02-01814	10	1,200
03-02-01815	16	480
03-02-01816	20	665
03-02-01817	25	890
03-02-01818	32	520
03-02-01819	40	900
03-02-01820	63	1,840
03-02-01821	80	160
03-02-01822	100	1,800
03-02-01823	150	700
03-02-01824	160	950
03-02-01825	200	1,350
03-02-01826	250	1,350
03-02-01827	300	150
03-02-01828	400	1,100
03-02-01829	500	250
03-02-01830	630	700
03-02-01831	800	200
03-02-01832	1,000	450
03-02-01833	1,250	150
03-02-01834	1,600	110
03-02-01835	2,000	25
03-02-01836	2,500	180
03-02-01837	3,200	25
03-02-01838	4,000	10
03-02-01839	5,000	5

Total 16,160

* Note : (3) Circuit breaker of 630 A in (11) kv, ITL :- 16 kv
IMX :- 40 kv

SECTION 85 Cesspit jetting untis

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

Section -86 - Contactor

Code	Rating (A)	Voltage of coil (V)	Qty
03-02-01841	400	SF6 (3.3kv)	35
03-02-01842	700	380	600
03-02-01843	600	380	450
03-02-01844	450	380	450
03-02-01845	400	380	125
03-02-01846	330	380	150
03-02-01847	300	380	350
03-02-01848	210	380	150
03-02-01849	180	380	350
03-02-01850	150	380	300
03-02-01851	120	380	250
03-02-01852	100	380	280
03-02-01853	80	380	280
03-02-01854	63	380	280
03-02-01855	45	380	200

03-02-01856	20	380	200
03-02-01857	16	380	200
03-02-01858	630	220	180
03-02-01859	500	220	150
03-02-01860	450	220	200
03-02-01861	400	220	260
03-02-01862	350	220	300
03-02-01863	300	220	300
03-02-01864	280	220	150
03-02-01865	250	220	360
03-02-01866	225	220	270
03-02-01867	200	220	400
03-02-01868	180	220	300
03-02-01869	160	220	480
03-02-01870	150	220	1,250
03-02-01871	125	220	750
03-02-01872	100	220	1,000
03-02-01873	80	220	800
03-02-01874	63	220	1,000
03-02-01875	50	220	700
03-02-01876	40	220	450
03-02-01877	30	220	500
03-02-01878	25	220	300
03-02-01879	20	220	500
03-02-01880	16	220	850
03-02-01881	10	220	450
TOTAL			16,350

Section (87)
Rescue Vehicles (SNORKLE)

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

SECTION 88
SPare part & equipment for shelter

Code	Item	Description	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	24
	2	Circulation pump 1.1 1415 3 380 - 53-54	84
	3	Circulation pump 2.2 1425 3 380 - 100	24
	4	Circulation pump 4 2900 3 380 75 10	48
	5	Circulation pump 7.5 2875 3 380 20 100	18
	6	Circulation pump 0.37 2810 3 380 6.5 11	18
	7	Circulation pump 3 2855 3 380 72 10	18
03-02-01884	Compressed Air stution of air compressor with following specification		
	Max work pressure :- (10) bar		
	Normal pressure :- (7) bar		
	Flow rate :- (1.8) L/Sec At (7) bar		
	Quantity :- (90) PCs		
03-02-01885	Circuit- Breaker :		
	over loud rating A	Magnetic short circuit	Current A
	950 - 1600	-	1600

	2	100 -160	1000 - 1900	160	240
	3	63 - 100	600 -1150	100	50
	4	63 - 100	260 - 500	40	100
	5	63 - 100	160 - 320	25	100
	6	Oct-16 100 - 200		16	100
03-02-01886		Spare parts for Cummins			
	1	Water pump assy			48
	2	Goveror wood ward assy			24
	3	Starter assy			24
03-02-01887		Semi hermetic reciprocating compresor			
		No of cylinder	R.P.M	KW	PH HZ V. Pressure (BAR)
		Q m3/ s			
	1	4	1500	20.5	3 50 400 31 12,22,50
	2	4	1500	29.3	3 50 400 31 12,22,50

SECTION 89

Wrecker Fixed on Vehicles and truck

Code	Description	Qty
03-02-01888	a. Wrecker fixed on vehicles chassis (2 x	100
03-02-01889	b. Wrecker fixed on vehicles chassis (6 x	100
	Total	200

SECTION 90

SKY Lift

Code	Description	Qty
03-02-01890	SKY Lift	20

SECTION 91

POLYETHYLENE PIPES AND FITTINGS

Code	Description	Qty m.l
	A- polyethylene pipes should be working under 12 bars pressure all pupes should db supplied to our stores in a form of pundles not than (30) m each quantities as follows :	
	NOMINAL SIZE	
03-02-01891	1- 13 mm	2E+06
03-02-01892	2- 19 mm	1E+06
03-02-01893	3- 25 mm	750000
03-02-01894	4- 37 mm	300000
03-02-01895	5- 50)mm	300000
03-02-01896	6- 63 mm	100000
	B- UP.V.C saddle :	
03-02-01897	-(90) mm dia with brass farrule suitable to connect paly athy line pipe maintioned in lten (a) anove of (13) mmdia	30000
03-02-01898	- Ditto but to connect (19)mm dia	15000
03-02-01899	- Ditto but to connect (25)mm dia	10000
03-02-01900	-(110) mm dia with brass farrule suitable to connect paly athy line pipe maintioned in lten (a) anove of (13) mmdia	200000
03-02-01901	- Ditto but to connect (19)mm dia	100000
03-02-01902	- Ditto but to connect (25)mm dia	50000
03-02-01903	- Ditto but to connect (37)mm dia	30000

03-02-01904	-(160) mm dia with brass farrule suitable to connect paly athy line pipe maintioned in lten (a) anove of (13) mmdia	120000
03-02-01905	- Ditto but to connect (19)mm dia	700000
03-02-01906	- Ditto but to connect (25)mm dia	50000
03-02-01907	- Ditto but to connect (37)mm dia	30000
03-02-01908	- Ditto but to connect (50)mm dia	10000
03-02-01909	-(225) mm dia with brass farrule suitable to connect paly athy line pipe maintioned in lten (a) anove of (13) mmdia	100000
03-02-01910	- Ditto but to connect (19)mm dia	50000
03-02-01911	- Ditto but to connect (25)mm dia	30000
03-02-01912	- Ditto but to connect (37)mm dia	20000
03-02-01913	- Ditto but to connect (50)mm dia	10000
03-02-01914	- Ditto but to connect (63)mm dia	20000
03-02-01915	C- Tapping tool complete with ratcet , (3) cutter for p.v.c , saddle adaptor, pipe adepter and partable tool bol with hexogen key and lever for tapping saddle branch dia as follows : (16 - 25) mm (32 - 40)mm (50 - 63) mm	500

SECTION 92
Cement Cylo Vehicles

Code	Description	Qty
03-02-01916	Cement Cylo Vehicles	50

SECTION -93-
Communication System

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

SECTION -94-
Motor Cycle

Code	Description	Qty
03-02-01923	Motor Cycle	500

SECTION -95-
Rescue Boat

Code	Description	Qty
03-02-01924	Rescue Boat	50

Section (96)
Spare parts for asphalt factory

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

Section (97)
Road Sweeping Vehicle

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

Section (98)
Printing Machine and Reducer And enlarger drawing

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

Section (99)
Equipment for keeping drawing

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

Section (100)
Asbestos suit

Code	Description	Qty
03-02-01930	Asbestos suit	3000

Section (101)
Breathing Apparatus

Code	Description	Qty
03-02-01931	Breathing Apparatus	3000

Section (102)
Fire Man Helmet

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

Section (103)
Light Torch

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

Section (104)
Rescue Vehicle

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

Section (105)
Fire Fighting Vehicle for different purposes

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

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

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

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

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

Section (108)**Fire Extingushire**

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

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

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

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

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

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

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

Section (112)**Lighting Vehicles**

Code	Description	Qty
03-02-01944	Lighting Vehicles	64

Section (113)**Saloon Cars**

Code	Description	Qty
03-02-01945	Saloon Cars	2000

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

CODE	DISCRIPTION	QTY.
03-02-01946	PENTIUM III	938
03-02-01947	MAIN SYSTEM PENTIUM III FILE SILVER	73
03-02-01948	WORK STATION PENTIUM III	902
03-02-01949	HUBS 8 PORT QUTLETT WITH CABLES AND CONNECTORS	3
03-02-01950	DATA SWITCH 5X1 PORT	4
03-02-01951	SPACIAL WHILE COMPUTER BOARD	3

03-02-01952	SVGA PROJECTOR	10
03-02-01953	PHOTO GRAPHIC CAMERA	10
03-02-01954	VIDEO INPUT /OUTPUT INTERFACE	10
03-02-01955	HP LASER JET 8000 (COLOR)	149
03-02-01956	HP LASER JET 1100 (BLACK AND WHITE)	489
03-02-01957	POWER SUPPLY (UPS)	125
03-02-01958	HP SCANNER	120
03-02-01959	SCANNER A4	717
03-02-01960	SCANNER A0	2
03-02-01961	PEN PLOTTER	40
03-02-01962	JAZZ DRIVER	91
03-02-01963	ELECTRICAL TYPE WRITE ARABIC /ENGLISH	170
03-02-01964	FLOPPY DISK 3.5 H.D	470 BOX
03-02-01965	CD BLANK	100 BOX
03-02-01966	FANFORD PAPER	120 BOX
03-02-01967	UPS 1.5 –5 K.V.A BRAND NAME	506
03-02-01968	MODEM CARD (EXTERNAL) BRAND NAME	135
03-02-01969	NOTE BOOK PC	109
03-02-01970	SUPER MINI COMPUTER	12
03-02-01971	LINE PRINTER 2000 LPM A3	45
03-02-01972	EPSON PRINTER DFX 8500 DOT MATRIX	100
03-02-01973	EPSON PRINTER LQ 2180 OR HIGHER	709
03-02-01974	COMPUTERRIZE TRANSMISSION STATION SYSTEM	2
03-02-01975	COMPUTERRIZE RECEIVING UNITS	10
03-02-01976	SVGA SCREEN 1.5 M x 3M	2
03-02-01977	DIGITIZER(ACCUTAR)SURFACE LIT DIGITIZER	2
03-02-01978	EPSON (A0) LASER INK JET PRINTER	5
03-02-01979	EPSON (A0) MAP PLOTTER	5
03-02-01980	DIGITAL CAMMERA SONY MAUICA	36
03-02-01981	ID CARD BY PRE- PRINTER	20 million
03-02-01982	ELECTRICAL PAPER COTTER	34
03-02-01983	STANDARD CLEAR LAMINATION FILM	20 million
03-02-01984	LAMINATION WITH SPECIAL HOT STAMP	100
03-02-01985	ID CARD SYSTEM	50
03-02-01986	EQUIPMENT FOR FIXING NETWORK	30 net work
03-02-01987	COMPUTER MAKINTOSH UPDATE	2
03-02-01988	SWITCH HUB OF 100 BPS& 16PORT	10
03-02-01989	UTP LAN CABLE WITH ACCESSORIES	3000M
03-02-01990	VOLTAGE STABILISER 1000 VA	100
03-02-01991	SPECIAL DISK DRIVE 2.6GB	2
03-02-01992	ZIP DRIVE WITH(30) MEDIA	4
03-02-01993	CD RECORDABLE(RE- WRITE)	15
03-02-01994	PIXEL VIEW CARD 8 MB 34 FLAT SCREEN TV WITH WALL STAND	2
03-02-01995	HEAVY DUTY COVER MACHINE	20
03-02-01996	WIRE LESS EQUIPMENT FOR CARS H.VHF	500
03-02-01997	MANUAL WIRE LESS EQUIPMENT 5-45 H.VHF	500
03-02-01998	OFFICE WIRE LESS EQUIPMENT H.VHF	100
03-02-01999	ELECTRONIC EXCHANGER RATE 400+40	1
03-02-02000	ELECTRONIC EXCHANGER RATE 100+10	20
03-02-02001	FILES STORAGE EQUIPMENT TYPE CARDEX	10
03-02-02002	LAMINATORS WITH SPECIAL HOT STAMP	100
03-02-02003	LIVE SCANNER	20
03-02-02004	HPLASER JET 2100 8MB RAM	6
03-02-02005	EXTERNAL HARD DRIVE 500 GB (MIRROR HARD)	2

03-02-02006	PAPER A3 CABROWIZE TO SHEET	100 BOX
03-02-02007	PAPER A3 SINGLE SHEET	100 BOX
03-02-02008	PAPER SHEETS (ROLLS SIZE A0) 50 M EACH ROL	50 BOX
03-02-02009	CONTINUAS PAPER SINGLE SHEET	50 BOX
03-02-02010	GPS DEVICES	1000
03-02-02011	TRANSMITTER DEVICES	1000
03-02-02012	RECEIVERS DEVICES	20
03-02-02013	WRITE PAPER A4 80 GRAM/M2	500 BOX
03-02-02014	PAPER SERIES CARBONIZE TO SHEET	150 BOX
03-02-02015	WIERLESS SECURITY MONITORING SYSTEM	1

Section (115)

Wireless Control System

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

Section (116)

Electronic Operator

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

Section (117)

Iron equipment for keeping document

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

Section (118)

Cooling siplite unit equipment

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

SECTION (119)

Vacumme Loader for using in the sewer system

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

Section (120)

Small Compactor

Code	Description	Qty
03-02-02025	Small Compactor	50

Section (121)

Site Library

Code	Description	Qty
03-02-02026	Site Library	10

Section (122)

Drawing photo copy machine and photo copy machine

Code	Description	Qty
03-02-02027	Drawing photo copy machine	25
03-02-02028	photo copy machine	1047 Unit

Section (123)

Theodolite and Level instrument

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

SECTION (124)

PRE PRINTING LINES ON PVC CARDS WITH SPARE PARTS

CODE NO	DISCRIPTION	QTY
03-02-02031	PRINTING LINE FOR PRE-PRINTING ON PVC I-D CARDS.	
	TRANSVARO PRINTING LINE WITH CAPABLTY OF	1
	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	GIVE DETAIL ES
03-02-02032	HOLLY GRAM PRODUCTION LINE MACHINES 3000 LABLE /HOUR. COMPUTER AIDED DESIGN	1
03-02-02033	HOLLY GRAM POSITONING STAMPING MACHINES 3000 LABEL /HOUR. WOKING BAY COMPUTER AND LASER POSITIONING .	1
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	1
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)	4E+07
03-02-02036	GOLDEN AND SILVER FOILE FOR HOLLY GRAM FOR ITEM 2 ABOVE	COMPLY

	COMPLY THE QUANTITY OF (40,000,000) CARD.	4E+07
03-02-02037	UV WATER LESS PAINTES REQUIERD FOR 40,000,000 LOGO	LOGO PER GALLON GIVE DETAILES
03-02-02038	OFFSET PAINTS FOR COMPLY 40,000,000 CARD FULL COLOR	PER GALLON GIVE DETAILES
03-02-02039		PER TON GIVE DETAILES
03-02-02040	STAND BY GENERATOR REQUIERD FOR MACHINES ABOVE. POWER OF THE GENERATOR MUST BE M(	1
03-02-02041	SPARE PARTS FOR ALL MACHINE IN ITEMS 1,2,3,4 REQUIRED FOR WORKING 3 YEAR WARNTTY OF THE LINE PARTS.	GIVE DETAILS
	THE SUPPLIER MUST GIVE INSURANCE FOR WARKING 3 YEAR WARNTY	GIVE DETAILS
	ANY NECESSARY EQUIPMENT RECOMMENDED MUST BE GIVEN	GIVE DETAILS

**SECTION - 125 -
Asphalt Factory**

Code	Description	Qty.
03-02-02042	Asphalt Factory 250 – 300 ton / hr	200

**SECTION -126 -
Twin Crusher**

Code	Description	Qty.
03-02-02043	Twin Crusher 150 – 300 ton / hr	200

**SECTION -127 -
Bitumen Tank Trailer**

Code	Description	Qty.
03-02-02044	Bitumen Tank Traller	100

**SECTION -128-
Bitumen Sprayer Tank**

Code	Description	Qty.
03-02-02045	Bitumen Sprayer Tank	100

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

Code	Description	Qty.
03-02-02046	Antimine and Bomb clearanceVehicle	10

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

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

**SECTION -131 -
Different Wood**

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

**SECTION -132 -
Laizer Printer**

Code	Description	Qty.
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03-02-02063	ELECTRIC BUCKET WHEEL EXCAVATOR LOADING CAPACITY 300M .TON/HR		2 NOS
03-02-02064	CENTRIFUGAL PUMP - VERTICAL AND HORIZONTAL (COMPLETE WITH MOTOR) (ASSORTED TYPES)		36 NOS
03-02-02065	AIR COMPRESSOR WITH SPARE PARTS FOR TWO YEARS OPERATION (ASSORTED TYPES)		8 NOS
03-02-02066	SEAMLESS GALVANIZED CARBON STEEL PIPE (DIA.1 1/2 "& 3") AND CARBON STEEL CASING PIPE (DIA.8 5/8)		30000 M
03-02-02067	TUBES FOR HEAT EXCHANGERS (ASSORTED SIZES)		10000 TUBE
03-02-02068	VALVES (ASSORTED TYPES AND SIZES)		1000 NOS

Section - 138-

Jacking Equipment		
CODE	Description	Qty
03-02-02069	Jacking Equipment	50

Section - 139-

Leakage Detector Equipment

CODE	Description	Qty
03-02-02070	akage Detector Equipment for water netw	50
03-02-02071	age Detector Equipment for sewerage net	50

Section - 140-

Pile Equipment

Code	Description	Qty
03-02-02072	Pile Equipment	30

section 142

REHABILITATION OF SEWAGE -WATER , GRP PRODUCTION LINE

Code	Description	Qty	unit
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03-02-02073	REHABILITATION OF SEWAGE - WATER , GRP PRODUCTION LINE	1	LINE

	section 143		
Code	Description	Qty	
03-02-02074	SPARE PARTFOR CARS TYPE HYUNDAI ACCENT2001	Different	
03-02-02075	SPARE PARTFOR CARS TYPE HYUNDAI ACCENT1997	Different	

	section 144		
Code	Description	Qty	
03-02-02076	spare part for cars nissan patrol	different	

	section 145		
Code	Description	Qty	
03-02-02077	spare part for cars JMC TRUCK	different	

	section 146		
Code	Description	Qty	
03-02-02078	spare part for cars FAW - PICK -UP	different	

	section 147		
Code	Description	Qty	
03-02-02079	spare part for cars OLDESMOBLE	different	

section 148
Final printing ID Card Requirment

Code	Description	Qty
03-02-02080	High -Volume Card Issuance System	25
03-02-02081	Desktop ID Card printer	250
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	50000
03-02-02083	Cleaning Ribbon for item 1 above	50000
03-02-02084	thermal head unit for item 1 above spare	100
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	50000
03-02-02086	Cleaning Ribbon for item 2 above	50000
03-02-02087	thermal head unit for item 2 above spare	150
03-02-02088	pouch laminators standers ISO	200
03-02-02089	LAMINATION POUCH COVERS STANDERD ISO	4000000
03-02-02090	PHOTO HANDEL COVER 1/4 POSTCAI	20000
03-02-02091	MAGNATIC READERS WRITER /ENCO	200
03-02-02092	SOFTWARE	25

Code	Description	Qty
03-02-02093	SCREW PUMP	20

**Section -150-
Fire Fighting Pipe**

Code	Description	Qty
03-02-02094	Fire Fighting Pipe	10000No

**Section -151-
Fire Fighting AUX**

Code	Description	Qty
03-02-02095	Fire Fighting AUX	5000 NO

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

Code	Description	Qty
03-02-02096	Repairing Equipment for fire fighting p	100 NO.

**Section - 153-
Air pillo**

Code	Description	Qty
03-02-02097	Air pillo	50 NO

**Section - 154
Foam mixer**

Code	Description	Qty
03-02-02098	Foam mixer	500 NO

**Section - 155-
Rescue rope**

Code	Description	Qty
03-02-02099	Rescue rope	1000

**Section - 156-
Foam Ejector**

Code	Description	Qty
03-02-02100	Foam Ejector	500

**Section - 157-
Water Ejector**

Code	Description	Qty
03-02-02101	Water Ejector	500

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

Code	Description	Qty
03-02-02102	Detector for under wreck person	100 No

Section -159-**OVEN VEHICLE**

Code	Description	Qty
03-02-02103	OVEN VEHICLE	50

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

Code	Description	Qty
03-02-02104	Refrigerator Vehicle for food transportation	50

Section -161-**Elevator**

Code	Description	Qty
03-02-02105	Elevator	25

Section -162-**Central air Conditioning**

Code	Description	Qty
03-02-02106	Central air Conditioning with acapacity of 250 ton	25

Section -163-**Balance**

Code	Description	Qty
03-02-02107	Balance for wiehting chlorine cylinder with acapacity of 2 ton	50

Sec – 164 –

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

Sec – 165 –

Code	Description	Qty
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03-02-02109	Spare parts list for Kawasaki Crushing plant Capacity 100 T/ H .	Different
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Sec – 166 –

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

Sec – 167 –

Code	Description	Qty
03-02-02111	Spare parts list for refuse –collector	Different
	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 :	Different
	MTZ 800	
	Engine : D - 243	

Sec – 170 –

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

Sec – 171 –

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

Sec – 172 –

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

Sec – 173 –

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

Sec – 174 –

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

Sec - 175 -
RIBBON REQUIRMENT

Code	Description	Qty
03-02-02119	Colour ribbon ymck- T 80612-104 (135 cards)	5000

Sec - 176 -
KERBER (MACHINE FOR CASTING CONCRETE KERBSTONE)

Code	Description	Qty
03-02-02120	KERBER (MACHINE FOR CASTING CC	50

Sec - 177 -
BUDGET AND BALANCE MACHINE

Code	Description	Qty
03-02-02121	BUDGET AND BALANCE MACHINE	25

Sec - 178 -

ELECTRICAL FORK LIFT WITH 4 SIDES

Code	Description	Qty
03-02-02122	ELECTRICAL FORK LIFT WITH 4 SIDES	50

Sec - 179-

PORTABLE MANUAL FORK LIFT WITH CAPACITY OF (402) TON

Code	Description	Qty
03-02-02123	PORTABLE MANUAL FORK LIFT WITH	50

Sec - 180-

REACHIVING REQUIRMENT

Code	Description	Qty
03-02-02124	REACHIVING REQUIRMENT	50

Sec - 181-

computers

Code	Description	Qty
03-02-02125	computers pentiumllll	1500

03-02-02126	testers,electrical & mechanicals	22132
03-02-02127	Spare parts for Nissan pick up cars	different
03-02-02128	Towing trucks	25
03-02-02129	Portable fire pump	50
03-02-02130	Emission exhaust testing	100
03-02-02131	laboratory testing chemical material & equipment for water analysis	