

SECTION - 21 -

DIESEL GENERATOR FOR WATER AND SEWAGE PROJECTS COMPACT UNITS, ALL GOVERNOR

Code	Rating KVA	KV	Qty.
03-02-01129	30	0.4	307
03-02-01130	75	0.4	545
03-02-01131	100	0.4	112
03-02-01132	150	0.4	60
03-02-01133	250	0.4	83
03-02-01134	400	0.4	54
03-02-01135	500	0.4	108
03-02-01136	650	0.4	31
03-02-01137	850	0.4	27
03-02-01138	1000	0.4	68 **
03-02-01139	A-1250	0.4	46 ***
	B-1500	0.4	1
03-02-01140	1650	11 *	5
03-02-01141	2000	11 *	9
03-02-01142	3500	11 *	10

TOTAL

1465

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

** With Synchronizing 8 No.

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

Section - 22 -

Steel Reinforcement

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

TOTAL

93200

SECTION 23

Cotton And Rubber 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 with coupling and clamp on one side for discharge of preclarified water.(10 bar)	500
03-02-01154	2-Ditto but with size 100mm.	500
03-02-01155	3-Ditto but with size 160mm.	500
03-02-01156	4-Ditto but with size 200mm.	500
03-02-01157	5- hose pipe cotton and rubber manufacture complete with coupling and clamp on one side for discharge for waste water .size 100 mm length 10m (6 bar)	400

03-02-01158	6-Ditto but size 160 mm.	400
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total

28000 ml

Section -24 -

Wireless System for water supply scheme

Code	Governorate name	Project name	
03-02-01159	Najaf	For Najaf /Kufa Water Supply Secheme	
03-02-01160	Basrah	For Basrah / W. S Secheme	
03-02-01161	Salah aldeen	New Tikrit	
03-02-01162	Salah aldeen	Old Tikrit	
03-02-01163	Salah aldeen	Al-Aoja	
03-02-01164	Salah aldeen	Al-Qadissia	
03-02-01165	Salah aldeen	Beji –Al-siniya	
03-02-01166	Salah aldeen	Balad	
03-02-01167	Salah aldeen	Al-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	Althirthar	
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-Shuqe	
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 rubber rings as below :-	
03-02-01196	a- 1000 mm dia	3000
03-02-01197	b- 900 mm dia	3000
03-02-01198	c- 800 mm dia	3000
03-02-01199	d- 700 mm dia	3000
03-02-01200	e- 600 mm dia	5000
03-02-01201	f- 500 mm dia	5000
03-02-01202	g- 450 mm dia	5000
03-02-01203	h- 400 mm dia	5000
03-02-01204	i- 350 mm dia	5000
03-02-01205	j- 300 mm dia	5000
03-02-01206	k- 250 mm dia	5000
03-02-01207	l- 200 mm dia	5000
03-02-01208	m- 150 mm dia	5000
03-02-01209	n- 100 mm dia	5000

Total

62000

Section - 26 -
compact Unit

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

SECTION - 27 -
VALVE AND SEFTY VALVES FOR CHLORINE CYLINDER

Code	Description	QTY
03-02-01211	Valves for cylinder 1 ton	3000
03-02-01212	Valves for cylinder 50 kg .	3000
03-02-01213	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	5000
03-02-01215	2- Ditto (800)mm dia.	3000
03-02-01216	3- Ditto (900)mm dia.	3000
03-02-01217	4- Ditto (1000)mm dia.	3000
03-02-01218	5- Ditto (1200)mm dia.	5500
03-02-01219	6- Ditto (1400)mm dia.	2000
03-02-01220	7- Ditto (1600)mm dia.	2000
03-02-01221	8- Ditto (1100)mm dia.	3500
03-02-01222	9- Ditto (1500)mm dia	14000

Total

41000

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	150

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 portable type and the speed of the charger must be low and high with indication lamp for control	30
Total		9530

SECTION 32**Tyers****All Tyres should be polyester (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

Total

50
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) litter water tanker	250
	Total	2950

**SECTION - 37 -
Tractor with truck**

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

**SECTION - 38 -
Grader**

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