

SECTOR: WATER-SANITATION

LIST OF ITEMS TO BE NOTIFIED BY THE SECRETARIAT WITHOUT CIRCULATION TO THE COMMITTEE

AS OF 08 FEBRUARY 2001*

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I PIPES and FITTINGS

(Excluding all items that may be notifiable under resolution 1051)

I-A(GEWS) UPVC Pipes & fittings for network maintenance

| No | Description |
|-----------|--|
| 1 | Supplying U.P.V.C pipes (315) mm dia. of tyton-joint with rubber rings. 10 bar |
| 2 | Ditto but (280)mm. dia. 10 bar |
| 3 | Ditto but (225)mm. dia. 10 bar |
| 4 | Ditto but (160)mm. dia. 10 bar |
| 5 | Ditto but (110)mm. dia. 10 bar |
| 6 | Ditto but (90)mm. dia. 10 bar |
| 7 | Supplying U.P.V.C pipes (400) mm dia. of tyton-joint with rubber rings. 6 bar |
| 8 | All socket tees complets with eubber rings. 10 bar for dia (315x315)mm |
| 9 | Ditto for dia (315x280)mm |
| 10 | Ditto for dia (315x225)mm |
| 11 | Ditto for dia (315x160)mm |
| 12 | Ditto for dia (315x110)mm |

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| No | Description |
|----|--|
| 13 | Ditto for dia (280x280)mm |
| 14 | Ditto for dia (280x225)mm |
| 15 | Ditto for dia (280x160)mm |
| 16 | Ditto for dia (280x110)mm |
| 17 | Ditto for dia (225x225)mm |
| 18 | Ditto for dia (225x160)mm |
| 19 | Ditto for dia (225x110)mm |
| 20 | Ditto for dia (225x90)mm |
| 21 | Ditto for dia (160x160)mm |
| 22 | Ditto for dia (160x110)mm |
| 23 | Ditto for dia (160x90)mm |
| 24 | Ditto for dia (110x110)mm |
| 25 | Ditto for dia (110x90)mm |
| 26 | Ditto for dia (90x90)mm |
| 27 | End socket bend complete with rubber rings (10) bar as below: 0° bend for 315 mm dia |
| 28 | 45° bend for 315 mm dia |
| 29 | 22½° bend for 315 mm dia |
| 30 | 90° bend for 280mm dia |
| 31 | 45° bend for 280 mm dia |
| 32 | 22½° bend for 280 mm dia |
| 33 | 90° bend for 225 mm dia |
| 34 | 45° bend for 225mm dia |
| 35 | 22½° bend for 225 mm dia |
| 36 | 90° bend for 160 mm dia |
| 37 | 45° bend for 160mm dia |
| 38 | 90° bend for 110 mm dia |
| 39 | 45° bend for 110mm dia |
| 40 | Supplying (1000) mm dia UPVC socket and spigat pipe with rubber joint,according to the requirements of DIN 8061, 8062,and 19532 for working pressare of 6 bar |
| 41 | to (900)mm dia |
| 42 | to (800)mm dia |
| 43 | to (700)mm dia |
| 44 | to (600)mm dia |
| 45 | to (500)mm dia |
| 46 | to (400)mm dia |
| 47 | to (300)mm dia |
| 48 | to (250)mm dia |
| 49 | to (200)mm dia |
| 50 | to (150)mm dia |
| 51 | to (100)mm dia |

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| No | Description |
|----|---|
| 52 | to (80)mm dia |
| 53 | to (50)mm dia |
| 54 | Supplying (200 x 100) mm dia UPVC tee junction 76 bar |
| 55 | Ditto (250 x 100)mm dia |
| 56 | Ditto (300 x 100)mm dia |
| 57 | Ditto (100 x 500)mm dia |
| 58 | Ditto (100 x 600)mm dia |
| 59 | Ditto (200 x 250)mm dia |
| 60 | Ditto (500 x 400)mm dia |
| 61 | Ditto (500 x 600)mm dia |
| 62 | Stoppers (100) mm dia |
| 63 | Ditto (150)mm dia |
| 64 | Heavy duty covers manholes 550 mm dia |
| 65 | Ditto but (600 x 900) mm dia |
| 66 | Galvanized steel pipe (6m)and diameter (160)mm ventilating columns with the fittings up |
| 67 | Ditto but (200)mm diameter |
| 68 | UPVC tee janchon pipes (400 x 100)mm dia |
| 69 | Ditto (200 x 150)mm dia |
| 70 | Ditto (250 x 150)mm dia |
| 71 | Ditto (300 x 150)mm dia |
| 72 | Ditto (400 x 150)mm dia |
| 73 | Ditto (500 x 150)mm dia |
| 74 | Ditto (600 x 150)mm dia |
| 75 | Ditto (150 x 150)mm dia |

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I-B (BWSA)**UPVC pipes and fittings
For network maintenance**

UPVC PIPES AND FITTINGS FOR SEWERS AND SHALL COMPLY WITH THE REQUIREMENTS OF (DIN 8061 – 8062) - WALL THICKNES TO COMPLY WITH DIN 8062 . ALL PIPES AND FITTINGS SHALL HAVE RUBBER RING JOINTS + 10% ADDITIONAL QUANTITY OF RUBBER RING JOINTS :

| No | PIPES |
|----|-----------------|
| 76 | Diameter 250 mm |
| 77 | = 315 mm |
| 78 | = 400 mm |
| 79 | 500 mm |
| 80 | 600 mm |

| No | FITTINGS |
|----|--------------------------------|
| 81 | T Socket – Spigot 250 110 mm |
| 82 | T Socket – socket 250 110 mm |
| 83 | T Socket - Spigot 315 110 mm |
| 84 | T S socket – socket 315 110 mm |
| 85 | Saddle 250 110 mm |
| 86 | Saddle 315 110 mm |

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I-C (GWSA) POLYETHYLENE PIPES AND FITTINGS

| No | Description |
|-----|--|
| | A- polyethylene pipes should be working under 12 bars pressure all pipes should be supplied to our stores in a form of bundles not than (30) m each quantities as follows : |
| | NOMINAL SIZE |
| 87 | 1- 13 mm |
| 88 | 2- 19 mm |
| 89 | 3- 25 mm |
| 90 | 4- 37 mm |
| 91 | 5- 50 mm |
| 92 | 6- 63 mm |
| | B- UP.V.C saddle : |
| 93 | -(90) mm dia with brass ferrule suitable to connect polyethylene line pipe mentioned in Item (a) above of (13) mm dia |
| 94 | - Ditto but to connect (19)mm dia |
| 95 | - Ditto but to connect (25)mm dia |
| 96 | -(110) mm dia with brass ferrule suitable to connect polyethylene line pipe mentioned in item (a) above of (13) mm dia |
| 97 | - Ditto but to connect (19)mm dia |
| 98 | - Ditto but to connect (25)mm dia |
| 99 | - Ditto but to connect (37)mm dia |
| 100 | -(160) mm dia with brass ferrule suitable to connect polyethylene line pipe mentioned in item (a) above of (13) mm dia |
| 101 | - Ditto but to connect (19)mm dia |
| 102 | - Ditto but to connect (25)mm dia |
| 103 | - Ditto but to connect (37)mm dia |
| 104 | - Ditto but to connect (50)mm dia |
| 105 | -(225) mm dia with brass ferrule suitable to connect polyethylene line pipe mentioned in item (a) above of (13) mm dia |
| 106 | - Ditto but to connect (19)mm dia |
| 107 | - Ditto but to connect (25)mm dia |
| 108 | - Ditto but to connect (37)mm dia |
| 109 | - Ditto but to connect (50)mm dia |
| 110 | - Ditto but to connect (63)mm dia |
| | C- Tapping tool complete with ratcet , (3) cutter for p.v.c , saddle adaptor, pipe adaptor and portable tool bit with hexogen key and lever for tapping saddle branch dia as follows : |

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| | |
|-----|---|
| 111 | (16 - 25) mm (32 - 40)mm (50 - 63) mm |
|-----|---|

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I-D (GEWS) Ductile Iron pipes & fittings

| No | Description |
|-----|--|
| 112 | 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) . |
| 113 | Ditto (1000) mm dia. |
| 114 | Ditto (900) mm dia. |
| 115 | Ditto (800) mm dia. |
| 116 | - Ductile iron double flanged bend with flanged socket and spigot a- 1200 mm dia - bend 90 ⁰ b- 1000 mm dia - bend 90 ⁰ c- 900 mm dia - bend 90 ⁰ d- 800 mm dia body - bend 90 ⁰ |
| 117 | - Ductile iron express double socket bends complete with rubber rings and stainless steel bolts /nuts with washers :- A- 1200 mm dia a.1- bend 45 ⁰ a.2- bend 22 ^{1/2} ⁰ B- 1000 mm dia b.1- bend 45 ⁰ b.2- bend 22 ^{1/2} ⁰ C- 900 mm dia c.1- bend 45 ⁰ c.2- bend 22 ^{1/2} ⁰ |
| 118 | Ductile Iron all flanged tee complete as per specified A- 1200 mm dia . body a.1-1200 mm dia . branch a.2-1000 mm dia . branch a.3-900 mm dia . branch a.4-800 mm dia . branch B- 1000 mm dia . body b.1-1000 mm dia . branch b.2-900 mm dia . branch b.3-800 mm dia . branch C- 900 mm dia . body c.1-900 mm dia . branch c.2-800 mm dia . branch D- 800 mm dia . body d.1- 800 mm dia . branch d.2- 700 mm dia . branch d.3- 600 mm dia . branch |

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| No | Description |
|-----|--|
| | d.4- 500 mm dia . branch |
| 119 | - Ductile iron double socket (express) tapers with rubber rings and stainless steel bolts /nuts with washers :- a- (1200 x 1000)mm dia b- (1000 x 900)mm dia c- (1000 x 800)mm dia d- (900 x 800)mm dia e- (800 x 700)mm dia f- (800 x 600)mm dia |
| 120 | Supplying (600) mm dia. Ductile iron socket and spigot pipe class (K9) of tyton joint with rubber rings , according to the international standard (ISO – 2531) . |
| 121 | Ditto (500) mm dia. |
| 122 | Ditto (450) mm dia. |
| 123 | Ditto (400) mm dia. |
| 124 | Ditto (350) mm dia. |
| 125 | Ditto (300) mm dia. |
| 126 | Ditto (250) mm dia. |
| 127 | Ductile Iron double flanged beds with flanged socket express and spigot A- 600 mm dia - bend 90 ⁰ B- 500 mm dia - bend 90 ⁰ C- 450 mm dia - bend 90 ⁰ D- 400 mm dia - bend 90 ⁰ E- 350 mm dia - bend 90 ⁰ |
| 128 | - Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts with washers :- A- 600 mm dia a.1- bend 45 ⁰ a.2- bend 22 ^{1/2} ⁰ B- 500 mm dia b.1- bend 45 ⁰ b.2- bend 22 ^{1/2} ⁰ C- 450 mm dia c.1- bend 45 ⁰ c.2- bend 22 ^{1/2} ⁰ D- 400 mm dia d.1- bend 45 ⁰ d.2- bend 22 ^{1/2} ⁰ E- 350 mm dia e.1- bend 45 ⁰ |

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| No | Description |
|-----|--|
| | e.2- bend 22 ^{1/2} ⁰ |
| | F- 300 mm dia |
| | f.1- bend 90 ⁰ f.2- bend 45 ⁰ f.3- bend 22 ^{1/2} ⁰ |
| | G- 250 mm dia g.1- bend 90 ⁰ g.2- bend 45 ⁰ g.3- bend 22 ^{1/2} ⁰ |
| 129 | <p>- Ductile iron double socket (express) tapers complete with rubber rings and stainless steel bolts /nuts with washers :-</p> <p>a- (600 x 500)mm dia b- (600 x 450)mm dia c- (600 x 400)mm dia d- (500 x 450)mm dia e- (500 x 400)mm dia f- (500 x 350)mm dia g- (450 x 400)mm dia h- (450 x 350)mm dia I- (450 x 300)mm dia j- (400 x 350)mm dia k- (400 x 300)mm dia l- (400 x 250)mm dia m- (350 x 300)mm dia n- (350 x 250)mm dia o- (350 x 200)mm dia p- (250 x 200)mm dia w- (250 x 150)mm dia y- (200 x 150)mm dia</p> |
| 130 | <p>Ductile Iron all flanged tee complete with flanged socket and spigot</p> <p>A- 600 mm dia . body a.1-600 mm dia . branch a.2-500 mm dia . branch a.3-450 mm dia . branch a.4-400 mm dia . branch a.5-350 mm dia . branch a.6-300 mm dia . branch a.7-250 mm dia . branch</p> <p>B- 500 mm dia . body b.1-500 mm dia . branch b.2-450 mm dia . branch b.3-400 mm dia . branch b.4- 350 mm dia . branch b.5- 300 mm dia . branch</p> |

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| No | Description |
|-----|--|
| | b.6- 250 mm dia . branch |
| | C- 450 mm dia . body |
| | c.1-450 mm dia . branch |
| | c.2-400 mm dia . branch |
| | c.3- 350 mm dia . branch c.4- 300 mm dia . branch c.5- 250 mm dia . branch |
| | D- 400 mm dia . body d.1- 400 mm dia . branch d.2- 350 mm dia . branch d.3- 300 mm dia . branch |
| 131 | d.4- 250 mm dia . branch |
| | E- 350 mm dia . body e.1- 350 mm dia . branch e.2- 300 mm dia . branch e.3- 250 mm dia . branch |
| | F- 300 mm dia . body f.1- 300 mm dia . branch f.2- 250 mm dia . branch |
| | G- 250 mm dia . body g.1- 250 mm dia . branch |
| 132 | Ductile Iron flanged branch on double socket express tee complete with rubber rings and stainless steel bolts / nuts with wassher : A- 600 mm dia . body a.1-100 mm dia . branch |
| | B- 500 mm dia . body b.1-100 mm dia . branch b.2-150 mm dia . branch |
| | C- 450 mm dia . body c.1-100 mm dia . branch c.2-150 mm dia . branch |
| | D- 400 mm dia . body d.1- 80 mm dia . branch d.2- 100 mm dia . branch d.3- 150 mm dia . branch |
| | E- 350 mm dia . body e.1- 80 mm dia . branch e.2- 100 mm dia . branch e.3- 150 mm dia . branch |
| | F- 300 mm dia . body f.1- 80 mm dia . branch f.2- 100 mm dia . branch f.3- 150 mm dia . branch |
| | G- 250 mm dia . body |

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| No | Description |
|-----|---|
| | g.1- 80 mm dia . branch g.2- 100 mm dia . branch g.3- 150 mm dia . branch |
| 133 | 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) . |
| | Ditto (150) mm dia. |
| | Ditto (100) mm dia. |
| | Ductile Iron all flanged tee complete with flanged socket and spigotas below: A- 200 mm dia . body 200 mm dia . branch 150 mm dia . branch 100 mm dia . branch B- 150 mm dia . body 150 mm dia . branch 100 mm dia . branch C- 100 mm dia . body 100 mm dia . branch |
| 134 | Ductile Iron flanged branch on double socket express tee complete with rubber rings and stainless steel bolts / nuts with wassher : A- 200 mm dia . body 80 mm dia . branch 150 mm dia . branch 100 mm dia . branch 200 mm dia . branch B- 150 mm dia . body 80 mm dia . branch 100 mm dia . branch 150 mm dia . branch C- 100 mm dia . body 80 mm dia . branch 100 mm dia . branch |
| 135 | Ductile iron express double socket bends with rubber rings and stainless steel bolts /nuts and washers : A- 600 mm dia bend 90 ⁰ bend 45 ⁰ bend 22 ¹ / ₂ ⁰ B- 500 mm dia bend 90 ⁰ bend 45 ⁰ bend 22 ¹ / ₂ ⁰ C- 450 mm dia bend 90 ⁰ bend 45 ⁰ |

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| No | Description |
|-----|---|
| | bend 22 ¹ / ₂ ⁰ |
| 136 | - Ductile iron double socket (express) tapers complete with rubber rings and stainless steel bolts with nuts and washers : a- (200 x 150)mm dia b- (200 x 100)mm dia c- (150 x 100)mm dia d- (100 x 80)mm dia |

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I-E(BWSA): Ductile iron pipes and fittings

| | |
|---|--|
| <p>SUPPLY OF SPIGOT AND SOCKET DUCTILE IRON PIPES ACCORDING TO ISO STANDARD 2531 TYPE K=9 WITH THE FOLLOWING TECHNICAL SPECIFICATIONS:</p> <p>1- INTERNAL PRESSURE PROOF TEST = 50 BARS</p> <p>2- WALL THICKNESS SHOULD BE ACCORDING TO THE FOLLOWING FORMULA : $e = 5.8 + 0.003 ND$ WHERE , e = WALL THICKNESS IN (mm) ND = NOMINAL DIAMETER (mm)</p> <p>3- LENGTH OF EACH PIPE SEGMENT SHOULD BE 6 METERS</p> <p>4- PIPES OF PUSH JOINT.</p> <p>5- PIPES SHOULD HAVE ASPEN CEMENT MORTAR INSIDE LINING AND OUT SIDE BITUMEN COATING.</p> | |
| 137 | A- DUCTILE IRON PIPES WITH NOMINAL DIAMETER OF 100 mm INCLUDING RUBBER JOINTS. |
| 138 | B- DITTO. WITH NOMINAL DIAMETER OF 150 mm INCLUDING RUBBER JOINTS. |
| 139 | C- DITTO. WITH NOMINAL DIAMETER OF 200 mm INCLUDING RUBBER JOINTS. |
| 140 | D- DITTO. WITH NOMINAL DIAMETER OF 300 mm INCLUDING RUBBER JOINTS. |
| 141 | E- DITTO. WITH NOMINAL DIAMETER OF 400 mm INCLUDING RUBBER JOINTS. |
| 142 | F- DITTO. WITH NOMINAL DIAMETER OF 500 mm INCLUDING RUBBER JOINTS. |
| 143 | G- DITTO. WITH NOMINAL DIAMETER OF 600 mm INCLUDING RUBBER JOINTS. |
| 144 | H- DITTO. WITH NOMINAL DIAMETER OF 700 mm INCLUDING RUBBER JOINTS. |
| 145 | I- DITTO. WITH NOMINAL DIAMETER OF 800 mm INCLUDING RUBBER JOINTS. |
| 146 | J- DITTO. WITH NOMINAL DIAMETER OF 900 mm INCLUDING RUBBER JOINTS. |
| 147 | K- DITTO. WITH NOMINAL DIAMETER OF 1000 mm INCLUDING RUBBER JOINTS. |
| <p>DUCTILE IRON PIPES ACCORDING TO ISO STANDARD 2531 WITH THE FOLLOWING TECHNICAL SPECIFICATIONS:</p> <p>a- FLANGES SHOULD BE OF TYPE NP 16.</p> <p>b- FITTINGS SHOULD HAVE A CEMENT MORTAR INSIDE LINING AND OUT SIDE BITUMEN COATING.</p> <p>c- HYDROSTATIC LEAK- TIGHTNESS TEST PRESSURE SHOULD BE NOT LESS THEN 25 BARS.</p> <p>d- WALL THICKNESS SHOULD BE ACCORDING TO THE FOLLOWING FORMULA : $e = 7 + 0.014 ND$ FOR TEES. $e = 6 + 0.012 ND$ FOR OTHER FITTINGS.</p> <p>- SCOPE OF SUPPLY THE SCOPE OF SUPPLY INCLUDE ALL NECESSARY RUBBER JOINTS, GASKETS, WASHERS, BOLTS , NUTS AND GLANDS. ALL SOCKET JOINTS SHALL BE MECHANICAL JOINTS.</p> | |
| 148 | a- DOUBLE FLANGE BEND -90 ° - Nominal Diameter (mm) : 100 |
| 149 | b- DITTO . Nominal Diameter (mm): 150 |
| 150 | c- DITTO Nominal Diameter (mm) : 200 |

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| | |
|-----|--|
| 151 | d- DOUBLE SOCKET BEND --90 ° - Nominal Diameter (mm) : 100 |
| 152 | e- DITTO Nominal Diameter (mm): 150 |
| 153 | f- DITTO Nominal Diameter (mm) : 200 |
| 154 | g- DOUBLE FLANGE BEND 45° Nominal Diameter (mm) : 100 |
| 155 | h- DITTO Nominal Diameter (mm) : 150 |
| 156 | i- FLANGE SPIGOT Nominal Diameter (mm) : 100 |
| 157 | j- FLANGE SOCKET Nominal Diameter (mm) : 150 |
| 158 | k- ALL SOCKET TEE 150X100 mm |
| 159 | l- ALL SOCKET TEE 100X100 mm |
| 160 | m- DOUBLE FLANGE REDUCER 150X100 |
| 161 | n- FLANGE SPIGOT Nominal Diameter (mm) :300 |
| 162 | m- FLANGE SOCKET Nominal Diameter (mm) : 300 |
| 163 | p- DOUBLE SOCKET COLLAR NOMINAL DIA MM: 400 |
| 164 | q- DOUBLE SOCKET BEND --90 ° - Nominal Diameter (mm) :300 |
| 165 | r- DOUBLE SOCKET BEND --90 ° - Nominal Diameter (mm) :400 |
| 166 | S.DOUBLE SOCKET BEND 45 ° - Nominal Diameter (mm) :300 |
| 167 | T- DOUBLE SOCKET BEND --45 ° - Nominal Diameter (mm) : 400 |

I-F: Crossing rivers pipes

| No | Description |
|-----------|---|
| | Ductile iron pipes Thrust resistance Joint (locked -Joint) complete with rubber rings as below :- |
| 168 | a- 1000 mm dia |
| 169 | b- 900 mm dia |
| 170 | c- 800 mm dia |
| 171 | d- 700 mm dia |
| 172 | e- 600 mm dia |
| 173 | f- 500 mm dia |
| 174 | g- 450 mm dia |
| 175 | h- 400 mm dia |
| 176 | i- 350 mm dia |
| 177 | j- 300 mm dia |
| 178 | k- 250 mm dia |
| 179 | l- 200 mm dia |
| 180 | m- 150 mm dia |
| 181 | n- 100 mm dia |

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I – G Strainers (GWSA)

| No | Description |
|-----|---|
| 182 | Flanged Strainer complete with foot valve :- a- (100) mm dia b- (150) mm dia c- (200) mm dia d- (250) mm dia e- (300) mm dia f- (350) mm dia g- (400) mm dia h- (450) mm dia i- (500) mm dia j- (600) mm dia k- (700) mm dia |

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I-G(GWSA): Maintenance fittings

| No | Description |
|-----------|--|
| 183 | Stainless steel repair clamps with rubber gasket and stainless steel bolts :- a- 600 mm. Dia. b- 500 mm .dia. c- 450 mm .dia. d- 400 mm .dia. e- 350 mm. Dia. f- 300 mm. Dia. g- 250 mm. Dia. h- 200 mm. Dia. i- 150 mm. Dia. j- 100 mm. Dia. |
| 184 | Couplings (Expansion joint)flat end for steel pipes :- a- 800 mm. Dia. b- 600 mm .dia. c- 500 mm .dia. d- 450 mm .dia. e- 400 mm. Dia. f- 350 mm. Dia. i- 300 mm. Dia. j- 250 mm. Dia. k- 200 mm. Dia. l- 150 mm. Dia. |
| 185 | Dctile iron express collars complete with rubber rings stainless steel bolts/nuts and washers as below :- a- 1000 mm. dia. b- 900 mm. Dia. c- 800 mm. Dia. d- 700 mm. Dia. e- 600 mm. Dia. f- 500 mm .dia. g- 450 mm .dia. h- 400 mm .dia. i- 350 mm. Dia. j- 300 mm. Dia. k- 250 mm. dia. l- 200 mm. dia. m- 150 mm. Dia. n- 100 mm. dia. |

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| No | Description |
|-----|---|
| 186 | Couplings (Expansion joint) flanged end for steel pipe :- a- 800 mm. dia. b- 600 mm. dia. c- 500 mm. dia. d- 450 mm .dia. e- 400 mm .dia. f- 350 mm. dia. g- 300 mm. dia. h- 250 mm. Dia I- 200 mm. Dia j- 150 mm. Dia |

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II PUMPS

(Excluding all items that may be notifiable under resolution 1051)

II-A: Horizontal Split Case Pumps

- 1- Complete electrical horizontal split case pumps with motors, starters, spare parts as mentioned below .
 - Impeller of bronze, shaft of stainless steel.
- 2- Squirrel cage motor, 3 Ph., 400 V, 50 Hz., IP55, Class F insulation coupled to the pump on steel frame except the item with mark x must be slipping
- 3- Starter must be (star- delta) starter for motor above (5) KW., below must be (D.O.L) starter.
 - Motor rating must be (20%) more power required.
 - * (N PSH) of the pump not more than 5 Mt .
 - * The efficiency of the pumps should be not less 70 % accept the multistage pumps and
 - Each starter must be steel cabinet IP 56 contain :
 - One) Main isolating switch with main fuses.
 - Two) Contactors, overload relay, timer
 - Three) Phase failure
 - Four) Ammeter, Voltmeter with selector switch indicating lamps, push button- all on front of cabinet.
- 4- Spare parts for each pump
 - One) Impeller
 - Two) Shaft sleeve
 - Three) Casing wear ring
 - Four) Set of Ball Bearing (for motor and pump)
- 5- Supply each pump gate valve 2 No. , NoN -return valve 1 No.
Note : M S must be multistage.

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|-------|-------------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 187 | | Wasit | Al suwaira w.t.p | 250 | 80 | S.C | 1500 |
| 188 | | Wasit | New Nummaniya w.t.p | 165 | 40 | S.C | 1500 |
| 189 | | Wasit | Old Nummaniya w.t.p | 120 | 40 | S.C | 1500 |
| 190 | | Wasit | Old Nummaniya w.t.p | 120 | 20 | S.C | 1500 |
| 191 | | Wasit | New Nummaniya w.t.p | 160 | 20 | S.C | 1500 |
| 192 | | Wasit | Al –Ahrar w.t.p | 165 | 50 | S.C | 1500 |
| 193 | | Wasit | Al –Ahrar w.t.p | 170 | 20 | S.C | 1500 |
| 194 | | Wasit | Jasan w.t.p | 100 | 50 | S.C | 1500 |
| 195 | | Wasit | Jasan w.t.p | 120 | 20 | S.C | 1500 |
| 196 | | Wasit | Sheikh saad w.t.p | 80 | 50 | S.C | 1500 |
| 197 | | Wasit | Al Dubouni w.t.p | 55 | 50 | S.C | 3000 |
| 198 | | Wasit | Al Dubouni w.t.p | 60 | 25 | S.C | 1500 |
| 199 | | Wasit | Al Mazraa w.t.p | 90 | 50 | S.C | 1500 |
| 200 | | Wasit | Al Mazraa w.t.p | 60 | 25 | S.C | 1500 |
| 201 | | Wasit | Al Dahnouk w.t.p | 350 | 20 | S.C | 1500 |
| 202 | | Wasit | Al Dahnouk w.t.p | 230 | 50 | S.C | 1500 |
| 203 | | Wasit | Kut w.t.p | 850 | 20 | S.C | 1500 |
| 204 | | Wasit | Kut w.t.p | 650 | 40 | S.C | 1500 |
| 205 | | Wasit | Al Hay w.t.p | 550 | 50 | S.C | 1500 |
| 206 | | Wasit | Al Hay w.t.p | 450 | 20 | S.C | 1500 |
| 207 | | Wasit | Al Hay w.t.p | 450 | 40 | S.C | 1500 |
| 208 | | Wasit | Al Suwaira w.t.p | 550 | 40 | S.C | 1500 |
| 209 | | Wasit | Al Muaffaqiya w.t.p | 90 | 20 | S.C | 1500 |
| 210 | | Wasit | Al Muaffaqiya w.t.p | 80 | 40 | S.C | 1500 |
| 211 | | Wasit | Al Zubaidia w.t.p | 55 | 40 | S.C | 3000 |
| 212 | | Wasit | Al Zubaidia w.t.p | 60 | 20 | S.C | 1500 |
| 213 | | Wasit | Sheikh saad w.t.p | 180 | 20 | S.C | 1500 |
| 214 | | Wasit | Sheikh saad w.t.p | 80 | 100 | S.C | 1500 |
| 215 | | Wasit | Sheikh saad w.t.p | 80 | 50 | S.C | 3000 |
| 216 | | Wasit | Um Sunayem w.t.p | 60 | 20 | S.C | 1500 |
| 217 | | Wasit | Um Sunayem w.t.p | 55 | 40 | S.C | 3000 |
| 218 | | Wasit | Al Suwaira w.t.p | 650 | 50 | S.C | 1500 |
| 219 | | Wasit | Al Suwaira w.t.p | 650 | 20 | S.C | 1500 |
| 220 | | Wasit | Al Suwaira w.t.p | 500 | 85 | S.C | 1500 |
| 221 | | Wasit | Al Suwaira w.t.p | 150 | 80 | S.C | 1500 |
| 222 | | Wasit | Al Samideen wal Muntasireen C.U. | 110 | 20 | S.C | 1500 |
| 223 | | Wasit | Al Samideen wal Muntasireen C.U. | 90 | 40 | S.C | 1500 |
| 224 | | Wasit | Al Bashar w.t.p | 60 | 20 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|--------|--|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 225 | | Wasit | Al Bashar w.t.p | 55 | 50 | S.C | 3000 |
| 226 | | Wasit | Wasit W.T.P | 60 | 20 | S.C | 1500 |
| 227 | | Wasit | Wasit W.T.P | 90 | 40 | S.C | 1500 |
| 228 | | Wasit | Al Aziziya w.t.p | 600 | 10 | S.C | 1500 |
| 229 | | Wasit | Al Aziziya w.t.p | 400 | 20 | S.C | 1500 |
| 230 | | Missan | Amara w.t.p Unified | 600 | 20 | S.C | 1500 |
| 231 | | Missan | Amara w.t.p Unified | 550 | 40 | S.C | 1500 |
| 232 | | Missan | Boosting Station | 120 | 60 | S.C | 1500 |
| 233 | | Missan | Al Rafiden w.t.p | 350 | 40 | S.C | 1500 |
| 234 | | Missan | Al Rafiden w.t.p | 400 | 20 | S.C | 1500 |
| 235 | | Missan | Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p | 120 | 40 | S.C | 1500 |
| 236 | | Missan | Al Kahla, almajer, aladil, al musharah , ali-sharqia , kumat ,qalut salhia w.t.p | 150 | 20 | S.C | 1500 |
| 237 | | Basrah | Al Hussen Boosting Station | 930 | 60 | S.C | 1500 |
| 238 | | Basrah | Al Hussen Boosting Station | 750 | 120 | S.C | 1500 |
| 239 | | Basrah | Al Mudaina W.T.P | 200 | 50 | S.C | 1500 |
| 240 | | Basrah | Al Jasem | 100 | 60 | S.C | 1500 |
| 241 | | Basrah | Shatt - Al Hel | 50 | 50 | S.C | 2900 |
| 242 | | Basrah | Garma No. (2) | 50 | 50 | S.C | 2900 |
| 243 | | Basrah | Shatt – Arab W.T.P | 480 | 9 | S.C | 1500 |
| 244 | | Basrah | Al –Mufeqeya Boosting Station | 160 | 80 | S.C | 1500 |
| 245 | | Basrah | Khor AL Zubair W.T.P | 378 | 60 | S.C | 1500 |
| 246 | | Basrah | Khor AL Zubair W.T.P | 405 | 6 | S.C | 1500 |
| 247 | | Basrah | Khor AL Zubair W.T.P | 540 | 11 | S.C | 1500 |
| 248 | | Basrah | Al Dair W.T.P | 250 | 50 | S.C | 1500 |
| 249 | | Basrah | Al Dair W.T.P | 200 | 20 | S.C | 1500 |
| 250 | | Basrah | Al Bratheaa W.T.P | 400 | 60 | S.C | 1500 |
| 251 | | Basrah | Al Bratheaa W.T.P | 400 | 25 | S.C | 1500 |
| 252 | | Basrah | Al -Faw W.T.P | 400 | 79 | S.C | 1500 |
| 253 | | Basrah | Al -Faw W.T.P | 300 | 20 | S.C | 1500 |
| 254 | | Basrah | Faw Net Work | 50 | 50 | S.C | 2900 |
| 255 | | Basrah | Faw Net Work | 200 | 50 | S.C | 1500 |
| 256 | | Basrah | Old Al-Mudaina w.t.p | 200 | 20 | S.C | 1500 |
| 257 | | Basrah | Old Al-Mudaina w.t.p | 200 | 80 | S.C | 1500 |
| 258 | | Basrah | Al Bratheaa w.t.p | 1500 | 90 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|------------|----------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 259 | | Basrah | Al Suwaip w.t.p | 200 | 60 | S.C | 1500 |
| 260 | | Basrah | Al Basrah Unified w.t.p | 1000 | 80 | S.C | 1500 |
| 261 | | Basrah | Al Basrah Unified w.t.p | 400 | 60 | S.C | 1500 |
| 262 | | Basrah | Old Al Shuwaiba w.t.p | 400 | 60 | S.C | 1500 |
| 263 | | Basrah | Al Ribat w.t.p | 200 | 50 | S.C | 1500 |
| 264 | | Basrah | Abo –Alkasib w.t.p | 200 | 50 | S.C | 1500 |
| 265 | | Basrah | Abo –Alkasib w.t.p | 200 | 50 | S.C | 1500 |
| 266 | | Basrah | Abo –Alkasib w.t.p | 50 | 50 | S.C | 2900 |
| 267 | | Al Muthana | Hay -Al Saniya | 300 | 80 | S.C | 1500 |
| 268 | | Al Muthana | Al Daraje w.t.p | 60 | 50 | S.C | 3000 |
| 269 | | Al Muthana | Al Daraje w.t.p | 60 | 20 | S.C | 1500 |
| 270 | | Al Muthana | Al Majed w.t.p | 60 | 50 | S.C | 3000 |
| 271 | | Al Muthana | Al –HALAL Village | 60 | 50 | S.C | 3000 |
| 272 | | Al Muthana | Al –HALAL w.t.p | 100 | 50 | S.C | 1500 |
| 273 | | Al Muthana | Storm Station | 100 | 20 | S.C | 1500 |
| 274 | | Al Muthana | Storm Station | 150 | 20 | S.C | 1500 |
| 275 | | Al Muthana | Storm Station | 200 | 20 | S.C | 1500 |
| 276 | | Al Muthana | Al Warka W.T.P | 300 | 20 | S.C | 1500 |
| 277 | | Al Muthana | Al Warka W.T.P | 216 | 60 | S.C | 1500 |
| 278 | | Al Muthana | Al Warka W.T.P | 216 | 90 | S.C | 1500 |
| 279 | | Al Muthana | Al Warka W.T.P | 216 | 15 | S.C | 1500 |
| 280 | | Al Muthana | Ramathan Boosting | 500 | 40 | S.C | 1500 |
| 281 | | Al Muthana | Al Karama Boosting | 100 | 70 | S.C | 3000 |
| 282 | | Al Muthana | Al Majed - Al –Mamlaha B.S | 300 | 70 | S.C | 1500 |
| 283 | | Al Muthana | Al Mamlaha B.S | 216 | 60 | S.C | 1500 |
| 284 | | Al Muthana | Al -Entsar B.S | 100 | 40 | S.C | 1500 |
| 285 | | Al Muthana | Al Rsala Residenital Building | 100 | 60 | S.C | 1500 |
| 286 | | Al Muthana | Al Askan Residenital Building | 25 | 20 | S.C | 1500 |
| 287 | | Al Muthana | New Project | 675 | 90 | S.C | 1500 |
| 288 | | Al Muthana | New Project | 810 | 15 | S.C | 1500 |
| 289 | | Al Muthana | Al Kader w.t.p | 216 | 40 | S.C | 1500 |
| 290 | | Al Muthana | Al Sakak Houses | 120 | 50 | S.C | 1500 |
| 291 | | Al Muthana | New Rumaitha W.T.P | 700 | 80 | S.C | 1500 |
| 292 | | Al Muthana | New Rumaitha W.T.P | 200 | 60 | S.C | 1500 |
| 293 | | Al Muthana | New Rumaitha W.T.P | 800 | 12 | S.C | 1500 |
| 294 | | Al Muthana | New Rumaitha W.T.P | 510 | 15 | S.C | 1500 |
| 295 | | Al Muthana | New Rumaitha W.T.P | 300 | 15 | S.C | 1500 |
| 296 | | Al Muthana | New Rumaitha W.T.P | 375 | 90 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|------------|----------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 297 | | Al Muthana | New Rumaitha W.T.P | 180 | 90 | S.C | 1500 |
| 298 | | Al Muthana | New Rumaitha W.T.P | 200 | 70 | S.C | 1500 |
| 299 | | Al Muthana | New Rumaitha W.T.P | 20 | 20 | S.C | 1500 |
| 300 | | Al Muthana | New Rumaitha W.T.P | 100 | 50 | S.C | 1500 |
| 301 | | Al Muthana | New Rumaitha W.T.P | 600 | 21 | S.C | 1500 |
| 302 | | Al Muthana | New Rumaitha W.T.P | 800 | 12 | S.C | 1500 |
| 303 | | Diala | Al Abara W.T.P | 160 | 11 | S.C | 1500 |
| 304 | | Diala | Abo –Sadia W.T.P | 600 | 8 | S.C | 1500 |
| 305 | | Diala | Abo –Sadia W.T.P | 315 | 15 | S.C | 1500 |
| 306 | | Diala | Abo –Sadia W.T.P | 90 | 60 | S.C | 1500 |
| 307 | | Diala | Abo –Sadia W.T.P | 200 | 60 | S.C | 1500 |
| 308 | | Diala | Baladroz W.T.P | 210 | 20 | S.C | 1500 |
| 309 | | Diala | Baladroz W.T.P | 210 | 30 | S.C | 1500 |
| 310 | | Diala | Baladroz W.T.P | 220 | 60 | S.C | 1500 |
| 311 | | Diala | Baladroz W.T.P | 110 | 60 | S.C | 1500 |
| 312 | | Diala | Baladroz W.T.P | 100 | 60 | S.C | 1500 |
| 313 | | Diala | Baladroz W.T.P | 75 | 60 | S.C | 3000 |
| 314 | | Diala | Baladroz W.T.P | 110 | 30 | S.C | 1500 |
| 315 | | Diala | Old Al Muqdadiya W.T.P. | 350 | 11 | S.C | 1500 |
| 316 | | Diala | Old Al Muqdadiya W.T.P. | 180 | 50 | S.C | 1500 |
| 317 | | Diala | Beni – Saad W.T.P | 410 | 10 | S.C | 1500 |
| 318 | | Diala | Beni – Saad W.T.P | 160 | 50 | S.C | 1500 |
| 319 | | Diala | Beni – Saad W.T.P | 200 | 60 | S.C | 1500 |
| 320 | | Diala | Beni – Saad W.T.P | 350 | 60 | S.C | 1500 |
| 321 | | Diala | Kanaan W.T.P | 200 | 15 | S.C | 1500 |
| 322 | | Diala | Kanaan W.T.P (M.S) | 65 | 91 | S.C | 1500 |
| 323 | | Diala | Kanaan W.T.P | 135 | 75 | S.C | 1500 |
| 324 | | Diala | Kanaan W.T.P | 65 | 52 | S.C | 3000 |
| 325 | | Diala | Kanaan W.T.P | 360 | 11 | S.C | 1500 |
| 326 | | Diala | Al Khalis W.T.P | 675 | 35 | S.C | 1500 |
| 327 | | Diala | Al Khalis W.T.P | 780 | 30 | S.C | 1500 |
| 328 | | Diala | Al Khalis W.T.P | 625 | 30 | S.C | 1500 |
| 329 | | Diala | Al Khalis W.T.P (M.S) | 100 | 100 | S.C | 1500 |
| 330 | | Diala | Baquba W.T.P | 1050 | 10 | S.C | 1500 |
| 331 | | Diala | Baquba W.T.P | 600 | 20 | S.C | 1500 |
| 332 | | Diala | Baquba W.T.P | 300 | 68 | S.C | 1500 |
| 333 | | Diala | Baquba W.T.P | 420 | 100 | S.C | 1500 |
| 334 | | Diala | Baquba W.T.P | 420 | 36 | S.C | 1500 |
| 335 | | Diala | Baquba W.T.P | 300 | 100 | S.C | 1500 |
| 336 | | Diala | Khanaqin W.T.P | 250 | 125 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|--------|------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 337 | | Diala | Khanaqin W.T.P | 630 | 12 | S.C | 1500 |
| 338 | | Diala | Boosting Station | 600 | 70 | S.C | 1500 |
| 339 | | Diala | Boosting Station | 60 | 50 | S.C | 3000 |
| 340 | | Diala | Boosting Station | 160 | 50 | S.C | 1500 |
| 341 | | Diala | Boosting Station | 120 | 82 | S.C | 1500 |
| 342 | | Diala | Jalwla W.T.P | 420 | 36 | S.C | 1500 |
| 343 | | Diala | Jalwla W.T.P | 400 | 40 | S.C | 1500 |
| 344 | | Diala | Jalwla W.T.P | 250 | 70 | S.C | 1500 |
| 345 | | Diala | Jalwla W.T.P | 275 | 12 | S.C | 1500 |
| 346 | | Diala | Qura – Taba W.T.P | 312 | 30 | S.C | 1500 |
| 347 | | Diala | Qura – Taba W.T.P | 86 | 68 | S.C | 3000 |
| 348 | | Diala | Qura – Taba W.T.P (M.S) | 60 | 96 | S.C | 1500 |
| 349 | | Diala | Qura – Taba W.T.P | 90 | 66 | S.C | 3000 |
| 350 | | Diala | Qura – Taba W.T.P | 450 | 24 | S.C | 1500 |
| 351 | | Diala | Qura – Taba W.T.P (M.S) | 50 | 100 | S.C | 1500 |
| 352 | | Diala | Al Munathraa W.T.P (M.S) | 100 | 100 | S.C | 1500 |
| 353 | | Diala | Al Tahrer W.T.P | 630 | 20 | S.C | 1000 |
| 354 | | Diala | Al Tahrer W.T.P | 550 | 36 | S.C | 1500 |
| 355 | | Thiqar | Nasseriah Unified W.T.P | 820 | 20 | S.C | 1500 |
| 356 | | Thiqar | Nasseriah Unified W.T.P | 796 | 170 | S.C | 1500 |
| 357 | | Thiqar | Nasseriah Unified W.T.P | 900 | 30 | S.C | 1000 |
| 358 | | Thiqar | Al Shatra W.T.P | 575 | 20 | S.C | 1500 |
| 359 | | Thiqar | Al Shatra W.T.P | 575 | 65 | S.C | 1500 |
| 360 | | Thiqar | Al Refayi W.T.P | 250 | 50 | S.C | 1500 |
| 361 | | Thiqar | Al Refayi W.T.P | 300 | 20 | S.C | 1500 |
| 362 | | Thiqar | Al Refayi W.T.P | 300 | 20 | S.C | 1500 |
| 363 | | Thiqar | Al Refayi Village W.T.P | 125 | 20 | S.C | 1500 |
| 364 | | Thiqar | Al Refayi Village W.T.P | 120 | 40 | S.C | 1500 |
| 365 | | Thiqar | Qalaat Sukkur W.T.P | 420 | 40 | S.C | 1500 |
| 366 | | Thiqar | Qalaat Sukkur W.T.P | 420 | 20 | S.C | 1500 |
| 367 | | Thiqar | Qalaat Sukkur W.T.P | 90 | 60 | S.C | 3000 |
| 368 | | Thiqar | Qalaat Sukkur W.T.P (M.S) | 90 | 100 | S.C | 1500 |
| 369 | | Thiqar | Qalaat Sukkur W.T.P | 600 | 20 | S.C | 1500 |
| 370 | | Thiqar | Al –Fajer W.T.P | 60 | 40 | S.C | 1500 |
| 371 | | Thiqar | Al –Fajer W.T.P | 64 | 20 | S.C | 1500 |
| 372 | | Thiqar | Al –Nasir W.T.P | 60 | 40 | S.C | 1500 |
| 373 | | Thiqar | Al –Nasir W.T.P | 64 | 20 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|-------------|--------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 374 | | Thiqar | Suq Al – Shuqi W.T.P | 205 | 40 | S.C | 1500 |
| 375 | | Thiqar | Suq Al – Shuqi W.T.P | 120 | 50 | S.C | 1500 |
| 376 | | Thiqar | Wafah Al -Qaid Boosting | 600 | 100 | S.C | 1500 |
| 377 | | Thiqar | Garmat –Beni -Saeed W.T.P | 60 | 40 | S.C | 3000 |
| 378 | | Thiqar | Garmat -Beni -Saeed W.T.P | 64 | 20 | S.C | 1500 |
| 379 | | Thiqar | Al Fahod W.T.P | 200 | 40 | S.C | 1500 |
| 380 | | Thiqar | Al Fahod W.T.P | 205 | 30 | S.C | 1500 |
| 381 | | Thiqar | Al Dawyia W.T.P | 90 | 20 | S.C | 1500 |
| 382 | | Thiqar | Al Dawyia W.T.P | 90 | 40 | S.C | 1500 |
| 383 | | Thiqar | Al Baathya W.T.P | 200 | 40 | S.C | 1500 |
| 384 | | Thiqar | Al Baathya W.T.P | 200 | 20 | S.C | 1500 |
| 385 | | Thiqar | Al Eslah W.T.P | 90 | 40 | S.C | 1500 |
| 386 | | Thiqar | Al Eslah W.T.P | 90 | 20 | S.C | 1500 |
| 387 | | Thiqar | Old Nasseriah W.T.P | 250 | 30 | S.C | 1500 |
| 388 | | Thiqar | Old Nasseriah W.T.P | 250 | 50 | S.C | 1500 |
| 389 | | Salaheldeen | Tikrit W.T.P 2 nd stage | 850 | 41 | S.C | 1500 |
| 390 | | Salaheldeen | Tikrit W.T.P 2 nd stage | 750 | 57 | S.C | 1500 |
| 391 | | Salaheldeen | Old Tikrit W.T.P | 450 | 60 | S.C | 1500 |
| 392 | | Salaheldeen | Old Tikrit W.T.P | 400 | 40 | S.C | 1500 |
| 393 | | Salaheldeen | Al Ougi W.T.P | 200 | 25 | S.C | 1500 |
| 394 | | Salaheldeen | Al Ougi W.T.P | 120 | 60 | S.C | 1500 |
| 395 | | Salaheldeen | Al Ailam W.T.P | 250 | 30 | S.C | 1500 |
| 396 | | Salaheldeen | Al Ailam W.T.P (M.S) | 60 | 60 | S.C | 1500 |
| 397 | | Salaheldeen | New Al Dor W.T.P | 430 | 25 | S.C | 1500 |
| 398 | | Salaheldeen | New Al Dor W.T.P | 414 | 50 | S.C | 1500 |
| 399 | | Salaheldeen | New Al Dor W.T.P | 300 | 80 | S.C | 1500 |
| 400 | | Salaheldeen | Old Al Dor W.T.P | 250 | 50 | S.C | 1500 |
| 401 | | Salaheldeen | Old Al Dor W.T.P | 60 | 40 | S.C | 3000 |
| 402 | | Salaheldeen | Al – Sharqid W.T.P | 350 | 25 | S.C | 1500 |
| 403 | | Salaheldeen | Al – Sharqid W.T.P | 225 | 40 | S.C | 1500 |
| 404 | | Salaheldeen | Al – Sharqid W.T.P | 120 | 100 | S.C | 3000 |
| 405 | | Salaheldeen | Al – Sharqid W.T.P | 288 | 25 | S.C | 1500 |
| 406 | | Salaheldeen | Al – Sharqid W.T.P | 288 | 40 | S.C | 1500 |
| 407 | | Salaheldeen | Old Al – Sharqid W.T.P | 150 | 25 | S.C | 1500 |
| 408 | | Salaheldeen | Old Al – Sharqid W.T.P | 96 | 30 | S.C | 1500 |
| 409 | | Salaheldeen | Al – Sharqid Villiage W.T.P | 350 | 25 | S.C | 1500 |
| 410 | | Salaheldeen | Al – Sharqid Villiage W.T.P | 120 | 100 | S.C | 3000 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|----------------|-------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 411 | | Salaheldeen | Al - Sharqid W.T.P No. (2) | 210 | 25 | S.C | 1500 |
| 412 | | Salaheldeen | Al -Sharqid W.T.P No. (2) | 144 | 40 | S.C | 1500 |
| 413 | | Salaheldeen | Al –Fairs W.T.P | 95 | 20 | S.C | 1500 |
| 414 | | Salaheldeen | Al –Fairs W.T.P | 95 | 60 | S.C | 1500 |
| 415 | | Salaheldeen | Al –Tarmiyah W.T.P | 90 | 20 | S.C | 1500 |
| 416 | | Salaheldeen | Al –Tarmiyah W.T.P | 90 | 50 | S.C | 1500 |
| 417 | | Salaheldeen | Old Dozz W.T.P | 180 | 80 | S.C | 1500 |
| 418 | | Salaheldeen | Samarra W.T.P | 800 | 60 | S.C | 1500 |
| 419 | | Salaheldeen | Samarra W.T.P | 450 | 50 | S.C | 1500 |
| 420 | | Salaheldeen | Al –Fairs W.S.S | 1495 | 15 | S.C | 1500 |
| 421 | | Salaheldeen | New Balad W.T.P | 250 | 20 | S.C | 1500 |
| 422 | | Salaheldeen | Ishaqi – Uthrap W.T.P | 130 | 30 | S.C | 1500 |
| 423 | | Salaheldeen | Ishaqi – Uthrap W.T.P | 90 | 60 | S.C | 1500 |
| 424 | | Salaheldeen | Ishaqi – Uthrap W.T.P | 360 | 102 | S.C | 1500 |
| 425 | | Salaheldeen | Ishaqi – Uthrap W.T.P | 420 | 82 | S.C | 1500 |
| 426 | | Salaheldeen | Ishaqi – Uthrap W.T.P | 575 | 20 | S.C | 1500 |
| 427 | | Salaheldeen | Balad W.S.S. | 250 | 25 | S.C | 1500 |
| 428 | | Salaheldeen | Balad W.S.S. | 500 | 25 | S.C | 1500 |
| 429 | | Salaheldeen | New Al –Thoayia W.S.S | 250 | 25 | S.C | 1500 |
| 430 | | Salaheldeen | Old Al –Thoayia W.S.S | 250 | 25 | S.C | 1500 |
| 431 | | Salaheldeen | New Al –Thoayia W.S.S | 210 | 45 | S.C | 1500 |
| 432 | | Salaheldeen | Old Al –Thoayia W.S.S | 210 | 45 | S.C | 1500 |
| 433 | | Baghdad | Old Madain W.T.P. | 264 | 68 | S.C | 1500 |
| 434 | | Baghdad | Old Madain W.T.P. | 264 | 12 | S.C | 1500 |
| 435 | | Baghdad | New Madain W.T.P. | 900 | 17 | S.C | 1500 |
| 436 | | Baghdad | Al Rashidya W.T.P | 780 | 14 | S.C | 1500 |
| 437 | | Baghdad | Al –Muhmodia W.T.P. | 1050 | 15 | S.C | 1500 |
| 438 | | Baghdad | Al –Muhmodia W.T.P. | 1000 | 37 | S.C | 1500 |
| 439 | | Baghdad | Al –Muhmodia B.S. | 500 | 15 | S.C | 1500 |
| 440 | | Baghdad | Al- Lateffai W.T.P | 300 | 15 | S.C | 1500 |
| 441 | | Baghdad | Al- Lateffai W.T.P | 300 | 5 | S.C | 1500 |
| 442 | | Baghdad | Al- Lateffai W.T.P | 100 | 30 | S.C | 1500 |
| 443 | | Baghdad | Al-Rashida W.T.P | 183 | 11 | S.C | 1500 |
| 444 | | Baghdad | Al-Rashida W.T.P | 800 | 11 | S.C | 1500 |
| 445 | | Baghdad | Al-Rashida W.T.P | 450 | 55 | S.C | 1500 |
| 446 | | Baghdad | Al-Rashida W.T.P | 195 | 60 | S.C | 1500 |
| 447 | | Baghdad | Al-Rashida W.T.P | 150 | 58 | S.C | 1500 |
| 448 | | Baghdad | Al-Rashida W.T.P | 735 | 40 | S.C | 1500 |
| 449 | | Baghdad | Al-Rashida W.T.P | 600 | 12 | S.C | 1500 |
| 450 | | Baghdad | Al-Nahrawin Boosting | 500 | 80 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|----------------|--------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 451 | | Baghdad | Al-Nahrawin Boosting | 1000 | 85 | S.C | 1500 |
| 452 | | Najaf | Najaf W.T.P | 2280 | 196 | S.C | 1500 |
| 453 | | Kerbala | Jadwal Al-Gharbi W.T.P | 120 | 40 | S.C | 1500 |
| 454 | | = | Jadwal Al-Gharbi W.T.P | 120 | 20 | S.C | 1500 |
| 455 | | = | Jadwal Al-Gharbi W.T.P | 60 | 40 | S.C | 3000 |
| 456 | | = | Jadwal Al-Gharbi W.T.P | 60 | 20 | S.C | 1500 |
| 457 | | = | Boosting Station | 1200 | 42 | S.C | 1500 |
| 458 | | = | Project No. (7) | 1400 | 17 | S.C | 1000 |
| 459 | | = | Project No. (7) | 1350 | 50 | S.C | 1000 |
| 460 | | = | Project No. (7) | 540 | 9 | S.C | 1000 |
| 461 | | = | Ain –Tamer Boosting Station | 350 | 100 | S.C | 1500 |
| 462 | | = | Al-Uriba Boosting Station | 1200 | 40 | S.C | 1500 |
| 463 | | = | Al-Hindaya W.T.P | 735 | 25 | S.C | 1500 |
| 464 | | = | Al-Hindaya W.T.P | 445 | 46 | S.C | 1500 |
| 465 | | = | Al-Hindaya W.T.P | 333 | 60 | S.C | 1500 |
| 466 | | = | Al-Hindaya W.T.P | 1200 | 25 | S.C | 1500 |
| 467 | | = | Al-Hindaya W.T.P | 762 | 30 | S.C | 1500 |
| 468 | | = | Sewage Project | 500 | 30 | S.C | 1000 |
| 469 | | = | Old Al-Hindaya W.T.P | 160 | 25 | S.C | 1500 |
| 470 | | = | Old Al-Hindaya W.T.P | 150 | 60 | S.C | 1500 |
| 471 | | Babil | New –Hilla W.T.P | 1600 | 7 | S.C | 1000 |
| 472 | | taameem | Different Place | 540 | 70 | S.C | 1500 |
| 473 | | = | Different Place | 900 | 30 | S.C | 1500 |
| 474 | | = | Al Zap Unified W.T.P (M.S) | 100 | 80 | S.C | 1500 |
| 475 | | = | Al Zap W.T.P (M.S) | 90 | 100 | S.C | 1500 |
| 476 | | = | Al Zap Village (M.S) W.T. | 80 | 60 | S.C | 1500 |
| 477 | | = | Al Zap Village (M.S) W.T. | 85 | 20 | S.C | 1500 |
| 478 | | = | Al Reyadh Village W.T. | 312 | 20 | S.C | 1500 |
| 479 | | = | Al Reyadh W.T. | 200 | 60 | S.C | 1500 |
| 480 | | = | Al Reyadh W.T. | 220 | 20 | S.C | 1500 |
| 481 | | taameem | Al Abassy w.t. | 140 | 70 | S.C | 1500 |
| 482 | | = | Al Abassy w.t. | 160 | 20 | S.C | 1500 |
| 483 | | = | Al Daquk w.t.p | 375 | 60 | S.C | 1500 |
| 484 | | = | Al Daquk w.t.p | 380 | 20 | S.C | 1500 |
| 485 | | = | Taza W.T. | 260 | 60 | S.C | 1500 |
| 486 | | = | Taza W.T. | 280 | 20 | S.C | 1500 |
| 487 | | = | Hassan Village W.T. | 80 | 20 | S.C | 1500 |
| 488 | | = | Hassan Village W.T. | 70 | 60 | S.C | 3000 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|------------------|-----------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 489 | | = | Tal Ali W.T. | 150 | 70 | S.C | 1500 |
| 490 | | = | Tal Ali W.T. | 160 | 30 | S.C | 1500 |
| 491 | | = | Al Toon Kobry W.T. | 400 | 60 | S.C | 1500 |
| 492 | | = | Al Toon Kobry W.T. | 420 | 20 | S.C | 1500 |
| 493 | | = | Al DEBIS W.T. | 600 | 20 | S.C | 1500 |
| 494 | | = | Al DEBIS W.T. | 800 | 20 | S.C | 1500 |
| 495 | | = | Al DEBIS W.T. | 600 | 20 | S.C | 1500 |
| 496 | | = | Al DEBIS W.T. | 300 | 60 | S.C | 1500 |
| 497 | | = | Al DEBIS W.T./3300 volts | 500 | 500 | S.C | 1500 |
| 498 | | Qadeseaya | Diwaniya W.T. * | 1150 | 17 | S.C | 1500 |
| 499 | | = | Diwaniya W.T. * | 1000 | 16 | S.C | 1500 |
| 500 | | = | Diwaniya W.T. * | 225 | 64 | S.C | 1500 |
| 501 | | = | Diwaniya W.T. * | 350 | 21 | S.C | 1500 |
| 502 | | = | Diwaniya W.T. * | 600 | 10 | S.C | 1500 |
| 503 | | = | Diwaniya W.T. * | 1000 | 53 | S.C | 1500 |
| 504 | | = | Diwaniya W.T. * | 300 | 33 | S.C | 1500 |
| 505 | | = | Diwaniya W.T. * | 300 | 15 | S.C | 1500 |
| 506 | | = | Diwaniya W.T. * | 590 | 17 | S.C | 1500 |
| 507 | | = | Al Shameayah W.T. | 425 | 40 | S.C | 1500 |
| 508 | | = | Al Shameayah W.T. | 290 | 55 | S.C | 1500 |
| 509 | | = | Al Shameayah W.T. | 270 | 53 | S.C | 1500 |
| 510 | | = | Al Shameayah W.T. | 261 | 53 | S.C | 1500 |
| 511 | | = | Al Qammas W.T. | 150 | 40 | S.C | 1500 |
| 512 | | = | Al Qammas W.T. | 200 | 20 | S.C | 1500 |
| 513 | | = | Al Bdeer W.T. | 150 | 20 | S.C | 1500 |
| 514 | | = | Al Bdeer W.T. | 90 | 40 | S.C | 1500 |
| 515 | | = | Al Dagara W.T. | 300 | 24 | S.C | 1500 |
| 516 | | = | Al Dagara W.T. (M.S) | 90 | 84 | S.C | 3000 |
| 517 | | = | Al Dagara W.T. (M.S) | 150 | 73 | S.C | 1500 |
| 518 | | Nenewa | Al-Mousel right bank w.t | 1440 | 35 | S.C | 1500 |
| 519 | | = | Al-Mousel right bank w.t | 1380 | 90 | S.C | 1500 |
| 520 | | = | Al-Mousel right bank w.t | 1380 | 60 | S.C | 1500 |
| 521 | | = | Al-Mousel right bank w.t | 960 | 60 | S.C | 1500 |
| 522 | | = | Al-Mousel lift bank w.t | 1000 | 30 | S.C | 1500 |
| 523 | | = | Al-Mousel lift bank w.t | 960 | 60 | S.C | 1500 |
| 524 | | = | Al-Mousel lift bank w.t | 1190 | 80 | S.C | 1500 |
| 525 | | = | Al-Mousel lift bank w.t | 1190 | 53 | S.C | 1500 |
| 526 | | = | Al-Mousel lift bank w.t | 1000 | 80 | S.C | 1500 |
| 527 | | = | Al-Mousel lift bank w.t | 130 | 55 | S.C | 1500 |
| 528 | | = | Hamam Al-Alel W.T.P | 200 | 40 | S.C | 1500 |
| 529 | | = | Hamam Al-Alel W.T.P | 250 | 20 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|---------------|-------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 530 | | = | Al-Hather W.T.P | 300 | 190 | S.C | 1500 |
| 531 | | = | Al-Hather W.T.P | 350 | 75 | S.C | 1500 |
| 532 | | = | Al-Baiaj W.T.P | 150 | 20 | S.C | 1500 |
| 533 | | = | Makhmor W.T.P | 400 | 50 | S.C | 1500 |
| 534 | | = | Makhmor W.T.P | 60 | 70 | S.C | 1500 |
| 535 | | = | Makhmor W.T.P | 100 | 120 | S.C | 1500 |
| 536 | | = | Makhmor W.T.P | 200 | 20 | S.C | 1500 |
| 537 | | = | Al-Hamdanya W.T.P | 200 | 60 | S.C | 1500 |
| 538 | | = | Al-Hamdanya W.T.P | 600 | 40 | S.C | 1500 |
| 539 | | = | Al-Hamdanya W.T.P | 210 | 35 | S.C | 1500 |
| 540 | | Nenewa | Al-Shikan W.T.P | 90 | 30 | S.C | 1500 |
| 541 | | = | Rabia a W.T.P | 150 | 20 | S.C | 1500 |
| 542 | | = | Tal Akaif W.T.P (M.S) | 100 | 255 | S.C | 1500 |
| 543 | | = | Tal Akaif W.T.P | 100 | 20 | S.C | 1500 |
| 544 | | = | Tal Akaif W.T.P (M.S) | 600 | 180 | S.C | 1500 |
| 545 | | = | Tal Akaif W.T.P (M.S) | 200 | 116 | S.C | 1500 |
| 546 | | = | Tal Akaif W.T.P | 1200 | 47 | S.C | 1500 |
| 547 | | = | Singaar W.T.P | 60 | 80 | S.C | 1500 |
| 548 | | = | Hamadit W.T.P | 90 | 30 | S.C | 1500 |
| 549 | | = | Hamadit W.T.P | 60 | 40 | S.C | 1500 |
| 550 | | = | Hamadit W.T.P | 90 | 50 | S.C | 1500 |
| 551 | | = | Hamadit W.T.P | 60 | 40 | S.C | 1500 |
| 552 | | = | Zemar W.T.P | 61 | 36 | S.C | 1500 |
| 553 | | = | Zemar W.T.P (M.S) | 210 | 25 | S.C | 1500 |
| 554 | | = | Al-Kaira W.T.P | 144 | 30 | S.C | 1500 |
| 555 | | = | Al-Kaira W.T.P | 144 | 50 | S.C | 1500 |
| 556 | | = | Al-Kaira W.T.P | 60 | 30 | S.C | 1500 |
| 557 | | = | Al-Shora W.T.P | 300 | 40 | S.C | 1500 |
| 558 | | = | Al-Shora W.T.P | 144 | 30 | S.C | 1500 |
| 559 | | = | Al-Shora W.T.P | 280 | 80 | S.C | 1500 |
| 560 | | = | Al-Shora W.T.P | 50 | 75 | S.C | 1500 |
| 561 | | = | Al-Rashidya w.t.p | 150 | 15 | S.C | 1500 |
| 562 | | = | Al-Rashidya w.t.p | 100 | 15 | S.C | 1500 |
| 563 | | = | Al-Rashidya w.t.p (M.S) | 100 | 100 | S.C | 1500 |
| 564 | | = | Tal afer W.T.P | 1050 | 15 | S.C | 1500 |
| 565 | | = | Tal afer W.T.P | 850 | 115 | S.C | 1500 |
| 566 | | = | Tal afer W.T.P | 250 | 200 | S.C | 1500 |
| 567 | | = | Tal afer W.T.P | 300 | 18 | S.C | 1500 |
| 568 | | = | Tal afer W.T.P | 600 | 125 | S.C | 1500 |
| 569 | | = | Tal afer W.T.P | 90 | 50 | S.C | 1500 |
| 570 | | = | Tal afer W.T.P | 300 | 50 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|--------|----------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 571 | | = | Tal afer W.T.P (M.S) | 240 | 150 | S.C | 1500 |
| 572 | | = | Tal afer W.T.P(M.S) | 60 | 140 | S.C | 1500 |
| 573 | | = | Al-Hamadanya W.T.P | 720 | 30 | S.C | 1500 |
| 574 | | = | Al-Hamadanya W.T.P | 900 | 165 | S.C | 1500 |
| 575 | | = | Al-Hamadanya W.T.P | 120 | 40 | S.C | 1500 |
| 576 | | = | Al-Hamadanya W.T.P | 180 | 90 | S.C | 1500 |
| 577 | | = | Al-Hamadanya W.T.P | 780 | 52 | S.C | 1500 |
| 578 | | = | Al-Hamadanya W.T.P | 500 | 40 | S.C | 1500 |
| 579 | | = | Gir -Gaber W.T.P (M.S) | 150 | 125 | S.C | 1500 |
| 580 | | = | Gir –Gaber W.T.P | 150 | 20 | S.C | 1500 |
| 581 | | = | Gir -Gaber W.T.P (M.S) | 90 | 90 | S.C | 1500 |
| 582 | | = | Gir -Gaber W.T.P (M.S) | 90 | 100 | S.C | 1500 |
| 583 | | = | Gir –Gaber W.T.P | 90 | 30 | S.C | 1500 |
| 584 | | = | Gir –Gaber W.T.P | 150 | 30 | S.C | 1500 |
| 585 | | Nenewa | Al - Quraj W.T.P | 400 | 35 | S.C | 1500 |
| 586 | | = | Al – Quraj W.T.P | 200 | 150 | S.C | 1500 |
| 587 | | = | Al – Quraj W.T.P | 90 | 60 | S.C | 1500 |
| 588 | | = | Al - Quraj W.T.P (M.S) | 150 | 100 | S.C | 1500 |
| 589 | | = | Al-Kware W.T.P | 550 | 40 | S.C | 1500 |
| 590 | | = | Al-Kware W.T.P | 180 | 70 | S.C | 1500 |
| 591 | | = | Al-Kware W.T.P (M.S) | 90 | 100 | S.C | 1500 |
| 592 | | = | Al-Dindin W.T.P | 650 | 60 | S.C | 1500 |
| 593 | | = | Al-Dindin W.T.P | 45 | 15 | S.C | 1500 |
| 594 | | = | Al-Kware W.T.P | 900 | 8 | S.C | 1000 |
| 595 | | = | Al-Kware W.T.P (M.S) | 100 | 200 | S.C | 1500 |
| 596 | | = | Dabaka W.T.P(M.S) | 75 | 200 | S.C | 1500 |
| 597 | | = | Tal a fer W.T.P(M.S) | 250 | 200 | S.C | 1500 |
| 598 | | = | Tal a fer W.T.P(M.S) | 150 | 200 | S.C | 1500 |
| 599 | | = | Makhmor W.T.P (M.S) | 150 | 200 | S.C | 1500 |
| 600 | | = | Makhmor W.T.P | 100 | 60 | S.C | 1500 |
| 601 | | = | Makhmor W.T.P (M.S) | 100 | 125 | S.C | 1500 |
| 602 | | = | Makhmor W.T.P | 200 | 20 | S.C | 1500 |
| 603 | | = | Makhmor W.T.P (M.S) | 400 | 160 | S.C | 1500 |
| 604 | | = | Qadissia Boosting Station | 200 | 35 | S.C | 1500 |
| 605 | | = | Boosting Station inside mosul | 400 | 50 | S.C | 1500 |
| 606 | | = | Boosting Station inside mosul | 90 | 60 | S.C | 1500 |
| 607 | | = | Boosting Station inside mosul | 400 | 60 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|--------|----------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 608 | | = | Boosting Station inside mosul | 144 | 40 | S.C | 1500 |
| 609 | | = | Boosting Station inside mosul | 500 | 60 | S.C | 1500 |
| 610 | | = | Boosting Station inside mosul | 500 | 50 | S.C | 1500 |
| 611 | | = | Boosting Station inside mosul | 60 | 40 | S.C | 1500 |
| 612 | | = | Boosting Station inside mosul | 400 | 50 | S.C | 1500 |
| 613 | | = | Boosting Station inside mosul | 500 | 60 | S.C | 1500 |
| 614 | | = | Boosting Station inside mosul | 640 | 80 | S.C | 1500 |
| 615 | | = | Boosting Station inside mosul | 500 | 60 | S.C | 1500 |
| 616 | | = | Boosting Station inside mosul | 400 | 50 | S.C | 1500 |
| 617 | | = | Boosting Station inside mosul | 500 | 50 | S.C | 1500 |
| 618 | | Nenewa | Boosting Station inside mosul | 250 | 40 | S.C | 1500 |
| 619 | | = | Boosting Station inside mosul | 20 | 40 | S.C | 1500 |
| 620 | | = | Boosting Station inside mosul | 144 | 60 | S.C | 1500 |
| 621 | | = | Boosting Station inside mosul | 200 | 60 | S.C | 1500 |
| 622 | | = | Boosting Station inside mosul | 600 | 50 | S.C | 1500 |
| 623 | | = | Boosting Station inside mosul | 250 | 60 | S.C | 1500 |
| 624 | | = | Boosting Station inside mosul | 300 | 60 | S.C | 1500 |
| 625 | | Anbar | Ramadi W.T.P | 1000 | 68 | S.C | 1500 |
| 626 | | = | New Ramadi W.T.P | 300 | 20 | S.C | 1500 |
| 627 | | = | Al-Fallaja W.T.P | 700 | 80 | S.C | 1500 |
| 628 | | = | Old Al-Fallaja W.T.P | 350 | 50 | S.C | 1500 |
| 629 | | = | Al-Namaia W.T.P | 250 | 50 | S.C | 1500 |
| 630 | | = | Unified Heet -Kabasia w.t.p | 350 | 60 | S.C | 1500 |

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| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|--------------|--------------------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 631 | | = | Kabasia W.T.P | 150 | 160 | S.C | 1500 |
| 632 | | = | Unified Heet -Kabasia w.t.p | 60 | 53 | S.C | 1500 |
| 633 | | = | Unified Heet w.t.p | 30 | 61 | S.C | 1500 |
| 634 | | = | Unified Heet Village w.t.p | 210 | 51 | S.C | 1500 |
| 635 | | = | Old Heet w.t.p | 250 | 40 | S.C | 1500 |
| 636 | | = | Old Heet w.t.p | 250 | 60 | S.C | 1500 |
| 637 | | = | Yogaslive W.T.P | 200 | 60 | S.C | 1500 |
| 638 | | = | Al-Frait W.T.P | 150 | 60 | S.C | 1500 |
| 639 | | = | Al-Karma W.T.P | 700 | 50 | S.C | 1500 |
| 640 | | = | Al-Karhol Line | 320 | 57 | S.C | 1500 |
| 641 | | = | Al-Samah line | 240 | 62 | S.C | 1500 |
| 642 | | = | Al-Karma W.T.P | 600 | 10 | S.C | 1500 |
| 643 | | = | Al-Karma W.T.P | 750 | 60 | S.C | 1500 |
| 644 | | = | West –desert W.T.P | 700 | 190 | S.C | 1500 |
| 645 | | = | West –desert W.T.P | 700 | 171 | S.C | 1500 |
| 646 | | = | West –desert W.T.P | 600 | 200 | S.C | 1500 |
| 647 | | = | West –desert W.T.P | 600 | 132 | S.C | 1500 |
| 648 | | = | West –desert W.T.P | 600 | 250 | S.C | 1500 |
| 649 | | = | West –desert W.T.P& Al-Qaim | 375 | 70 | S.C | 1500 |
| 650 | | = | Deferent Sites | 1000 | 70 | S.C | 1500 |
| 651 | | = | Rawa W.T.P | 200 | 70 | S.C | 1500 |
| 652 | | = | Rawa W.T.P | 180 | 90 | S.C | 1500 |
| 653 | | = | Rawa W.T.P | 150 | 70 | S.C | 1500 |
| 654 | | Anbar | Rawa W.T.P | 180 | 80 | S.C | 1500 |
| 655 | | = | Al-Tharther W.T.P | 105 | 150 | S.C | 1500 |
| 656 | | = | Al-Tharther W.T.P | 50 | 100 | S.C | 1500 |
| 657 | | = | Al-Tharther W.T.P | 75 | 100 | S.C | 1500 |
| 658 | | = | Al-Tharther W.T.P | 75 | 75 | S.C | 1500 |
| 659 | | = | Al-Eabadey W.T.P | 60 | 20 | S.C | 1500 |
| 660 | | = | Al-Eabadey W.T.P | 100 | 80 | S.C | 1500 |
| 661 | | = | Al-Ratiba W.T.P | 150 | 100 | S.C | 1500 |
| 662 | | = | Al-Habaniya W.T.P | 100 | 55 | S.C | 1500 |
| 663 | | = | Al-Habaniya W.T.P | 72 | 40 | S.C | 1500 |
| 664 | | = | Al-Habaniya W.T.P | 216 | 40 | S.C | 1500 |
| 665 | | = | Anna W.T.P | 470 | 50 | S.C | 1500 |
| 666 | | = | Al-Ramadiy W.T.P | 1050 | 20 | S.C | 1500 |
| 667 | | = | Al-Ramadiy W.T.P | 350 | 20 | S.C | 1500 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Governorate | | Project Name | Q m3/ h | H mt. | Motor | |
|-----|-------------|------|------------------|---------------|----------|-------|-------|
| | Code no. | Name | | | | Type | R P.M |
| 668 | | = | Al-Falloja W.T.P | 500 | 40 | S.C | 1500 |
| 669 | | = | Al-Falloja W.T.P | 410 | 20 | S.C | 1500 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

II-B: Horizontal End -suction Pump for compact unit

- 1- Complete electrical horizontal end -suction pump with motors, starters, spare parts as mentioned below
 - Impeller of Bronze, shaft of stainless steel.
- 2- Squirrel cage motor, 3 Ph., 400 V, 50 Hz., IP55, Class F insulation coupled to the pump on steel frame.
- 3- Starter must be(star- delta)starter for motor above(5 KW),,below must be (D.O.L)starter.
 - Motor rating must be (10%) more power required.
 - *(N PSH) of the pump not more than 5 M .
 - * The efficiency of the pumps should be not less 70 % accept the multistage pumps and
 - Each starter must be steel cabinet IP 56 contain :
 - One) Main isolating switch with main fuses.
 - Two) Contactors overload relay, timer
 - Three) phase failure
 - Four) Ammeter, Voltmeter with selector switch indicating lamps,(3 No.) , (2 No.) push button- all on front of cabinet.
 - Five) 3 set of wiring diagram
 - Spare parts for each pump
 - One) Impeller
 - Two) Shaft sleeve
 - Three) 2 No. sets of coupling rubber and pins .
 - Four) Set of Ball Bearing (for motor and pump) .(2 set)

| No | Q m3/h | H mt. | Motor | |
|-----|-----------|----------|-------|-------|
| | | | Type | R.P.M |
| 670 | 60 | 20 | S.C | 1500 |
| 671 | 60 | 50 | S.C | 1500 |
| 672 | 60 | 60 | S.C | 1500 |
| 673 | 250 | 20 | S.C | 1500 |
| 674 | 14 | 35 | S.C | 3000 |
| 675 | 200 | 15 | S.C | 1500 |
| 676 | 200 | 40 | S.C | 1500 |
| 677 | 200 | 60 | S.C | 1500 |
| 678 | 100 | 100 | S.C | 1500 |
| 679 | 50 | 71 | S.C | 1500 |
| 680 | 60 | 70 | S.C | 1500 |
| 681 | 60 | 40 | S.C | 1500 |
| 682 | 250 | 25 | S.C | 1500 |
| 683 | 250 | 60 | S.C | 1500 |
| 684 | 75 | 20 | S.C | 1500 |
| 685 | 75 | 60 | S.C | 2900 |
| 686 | 50 | 20 | S.C | 1500 |
| 687 | 150 | 20 | S.C | 1500 |
| 688 | 140 | 40 | S.C | 1500 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

II-C: Vertical Pumps

Complete vertical pump (end suction) type with squirrel cage motor , 400 v, 3 ph, 50 hz, IP 55, class F insulation, B5 with star delta starter (for all items except code no. which are mix flow pump.

- Impeller for vertical pump must be cast iron, shaft must stainless steel.
- Suction pipe from the bottom, delivery pipe must be upper side
- Code no. are mix flow pump, casing must be split at the suction flange, made from grained cast iron.
- Impeller, shaft must be stainless steel.
- Shaft bearing and seals should be water lubricated type.
 - For both (vertical pump, mix flow pump) must supplied with all required fittings (adaptor) to suit the delivery and suction pipe with stand steel (base plate).
 - For each pump must supplied with (star-delta) starter contain :
 - One) Main isolating switch with fuses.
 - Two) Contactors, overload relay, timer.
 - Three) Phase failure.
 - Four) On front of steel cabinet, IP 56 indication lamp and push button, ampermeter with selector switch, voltmeter with selector switch.
 - Spare parts for each pump
 - a) Impeller
 - b) Shaft
 - Three) Set of ball bearing (pump and motor)
 - Motor power must equal (rated power + 10%) .

| No | Gov. Name | Project Name | Q (m ³ /hr) | H (m) | R.P.M. | Shaft length (m) | Suc.dia . mm | Del. dia. mm |
|-----|----------------|--|---------------------------|----------|--------|--|-----------------|--------------------|
| 689 | Basrah | C Sewage lifting station | 1100 | 30 | 1450 | 2.1 | 300 | 250 |
| 690 | | Basrah Sewage T.P | 180 | 7.2 | 720 | 4.9 | 150 | 150 |
| 691 | | Basrah unified w.t.p.* | 1025 | 20 | 1480 | 6.2 | | |
| 692 | | Sewage station No. 14 | 900 | 20 | 1450 | 2.3 | 300 | 250 |
| 693 | | Sewage station No. 3 | 250 | 7 | 1450 | 1.75 | 200 | 150 |
| 694 | | Sewage station No.6& No.9 | A-450 | 7 | 1450 | 2.25 | 250 | 200 |
| | | | B-900 | 9 | 1450 | 2.25 | 300 | 250 |
| 695 | | Sewage station No. 16 &17 | 3000 | 12 | 980 | 2.45 | 500 | 500 |
| 696 | | The 25 AQUA CU.* | 1025 | 15 | 1480 | 6.2 | | 350 |
| 697 | Thiqar | Area Sew. Station | 500 | 10 | 970 | 5.1 | 250 | 200 |
| 698 | = | Nasseriah main sewage lifting stat. | 1700 | 10 | 735 | 6.15 | 400 | 350 |
| 699 | = | Nasseriah main sewage lifting stat. | 4000 | 10 | 585 | 4.6 | 600 | 550 |
| 700 | = | Nasseriah Sewa. T.P | 250 | 20 | 970 | 7.2 | 250 | 200 |
| 701 | = | Nasseriah Sewa. T.P | 1000 | 10 | 975 | Direct link (Noshaft) | 300 | 250 |
| 702 | = | Nasseriah Sewa. T.P | 500 | 10 | 970 | direct link (Noshaft) | 250 | 200 |
| 703 | = | | 1080 | 20 | 900 | | | |
| 704 | = | | 360 | 20 | 900 | | | |
| 705 | Thiqar | | 720 | 20 | 900 | | | |
| 706 | = | | 540 | 20 | 900 | | | |
| 707 | = | Sewage station | 180 | 20 | 900 | | | |
| 708 | = | Sewage station | 1800 | 20 | 900 | | | |
| 709 | Najaf | AL-Najaf sew. Project | 1746 | 11.5 | 980 | | | |
| 710 | | AL-Najaf sew. Project | 90 | 12 | 960 | | | |
| 711 | | AL-Najaf sew. Project | 162 | 12.5 | 1450 | motor direct coupled to the pump | | |
| 712 | | New Water T.P | 1630 | 12 | 950 | | | |
| 713 | AL- Muthana | ALQitar Boosting Station | 100 | 34 | 2900 | | | |
| 714 | Nenewa | AL-Mosul (left bank)* w.t.p. | 2200 | 40 | 900 | 13.390 | 500 | 500 |
| 715 | = | AL-Mosul (left bank)* w.t.p. | 2200 | 40 | 998 | | 500 | 500 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. Name | Project Name | Q (m ³ /hr) | H (m) | R.P.M. | Shaft length (m) | Suc.dia . mm | Del. dia. mm |
|-----|-----------|------------------|---------------------------|----------|--------|--|-----------------|--------------------|
| 716 | = | Dindan W.T.P | 450 | 15 | | | | |
| 717 | = | Left bank W.T.P | 1600 | 10 | 1450 | | | |
| 718 | | | 435 | 20 | 1500 | | | |
| 719 | Babil | Hilla sew. T.P | 180 | 20 | 1500 | motor direct coupled to the pump | | |
| 720 | = | Sewage station | 4140 | 16 | 1500 | | | |
| 721 | Qaddisyia | Diwanya Sewage | 432 | 18 | 1475 | | 10 | 225 |
| 722 | = | Qaddisyia Sewage | 325 | 14 | 970 | | 225 | 150 |
| 723 | Salahdeen | Brawjly Borehole | 50 | 132 | 2900 | | | |
| 724 | | Brawjly W.T.P | 50 | 40 | 2900 | | | |
| 725 | | Brawjly Borehole | 50 | 132 | 2900 | | | |

(*) : mixflow pump

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

III Ball Bearings

(Excluding all items that may be notifiable under resolution 1051)

| No | Gov. name | Ball Bearing no. |
|-----|-----------|------------------|
| 726 | Nenewa | 29324 |
| 727 | = | 6026 |
| 728 | = | 7317 |
| 729 | = | 6317 |
| 730 | = | 6224 |
| 731 | = | 7224 |
| 732 | = | 6226 |
| 733 | = | 7310 |
| 734 | = | 7312 |
| 735 | = | 7313 |
| 736 | = | 6316 |
| 737 | = | 6318 |
| 738 | = | 6319 |
| 739 | = | 6320 |
| 740 | = | 6322 |
| 741 | = | N4 224 E |
| 742 | = | N3 22N |
| 743 | = | N 312 E |
| 744 | = | N4 322 |
| 745 | = | N4 317 |
| 746 | = | N4 318 |
| 747 | = | N4 319 |
| 748 | = | 6220 |
| 749 | = | 6211 |
| 750 | = | 7214 |
| 751 | = | 6217 |
| 752 | = | 6222 |
| 753 | = | 6314 |
| 754 | = | 6216 |
| 755 | = | 6212 |
| 756 | = | 6306 |
| 757 | = | 6311 |
| 758 | = | 6406 |
| 759 | = | 6308 |
| 760 | = | 6312 |
| 761 | = | 6307 |
| 762 | = | 6309 |
| 763 | = | 6312 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----|-----------|------------------|
| 764 | = | 6313 |
| 765 | = | 6411 |
| 766 | = | 6305 |
| 767 | = | 6209 |
| 768 | = | N4 215 |
| 769 | nenewa | 3312 |
| 770 | Baghdad | 6311 |
| 771 | = | 6308 |
| 772 | = | 6315 |
| 773 | = | 6305 |
| 774 | = | 6306 |
| 775 | = | 6206 |
| 776 | = | 6309 |
| 777 | = | 6310 |
| 778 | = | 6216 |
| 779 | = | 6312 |
| 780 | = | 6414 |
| 781 | = | 6217 |
| 782 | = | 6313 |
| 783 | = | 6205 |
| 784 | = | 6307 |
| 785 | = | 6313 C3 |
| 786 | = | N 216 - E CP |
| 787 | = | 6209 C3 |
| 788 | = | 6314 |
| 789 | = | N 317 |
| 790 | = | 6310 C3 |
| 791 | Najaf | 6311 |
| 792 | = | 6322 |
| 793 | = | 6319 |
| 794 | = | 7314 |
| 795 | = | 6314 |
| 796 | = | 6212 |
| 797 | = | 6306 |
| 798 | = | 6309 |
| 799 | = | 6324 |
| 800 | = | 6317 |
| 801 | = | 6307 |
| 802 | = | 6313 |
| 803 | = | 6316 |
| 804 | = | 6320 |
| 805 | = | 6311 |
| 806 | = | 6315 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----|-----------|------------------|
| 807 | = | 313 NU |
| 808 | = | 315 |
| 809 | Kerbala | MJ 2 1/2 |
| 810 | = | 6320 |
| 811 | = | 6414 |
| 812 | = | 6314 |
| 813 | = | N U 318 |
| 814 | = | 6318 |
| 815 | = | 6307 |
| 816 | Kerbala | 6306 |
| 817 | = | 6206 |
| 818 | = | 6308 |
| 819 | = | 6310 |
| 820 | = | 6307 |
| 821 | = | 6311 |
| 822 | = | 6312 |
| 823 | = | 6411 |
| 824 | AL- Anbar | 6410 |
| 825 | = | 6305 |
| 826 | = | 7311 |
| 827 | = | 314 N S |
| 828 | = | R M S 14 |
| 829 | = | R M S 159 / 16 |
| 830 | = | 1 / 4 / 3 |
| 831 | = | 1 / 4 / 1 |
| 832 | = | 6204 |
| 833 | = | 6304 |
| 834 | = | 6310 |
| 835 | = | 6209 |
| 836 | = | 6321 |
| 837 | = | 6317 |
| 838 | = | 6318 |
| 839 | = | 7321 |
| 840 | = | 6224 |
| 841 | = | N S 624 |
| 842 | = | 6315 |
| 843 | = | 6312 |
| 844 | = | 6307 |
| 845 | = | 6306 |
| 846 | = | 7310 |
| 847 | = | 3301 |
| 848 | = | 3310 |
| 849 | = | 6000 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----|-----------|------------------|
| 850 | = | 6205 |
| 851 | = | 6206 |
| 852 | = | 6308 |
| 853 | = | 6309 |
| 854 | = | 6311 |
| 855 | = | 6300 |
| 856 | = | 6312 |
| 857 | = | 6313 |
| 858 | = | 6406 |
| 859 | = | 216 |
| 860 | = | 212 |
| 861 | = | 309 |
| 862 | = | 7320 |
| 863 | AL- Anbar | NU 320 |
| 864 | = | NU 318 |
| 865 | = | NU 311 |
| 866 | = | 3311 |
| 867 | Qadissia | 6216 |
| 868 | = | 6310 |
| 869 | = | 6314 ZZ |
| 870 | = | 6216 Z Z |
| 871 | = | 6312 2 R S |
| 872 | = | 6211 |
| 873 | = | N U - 22125 |
| 874 | = | 3211 |
| 875 | = | 6315 / C3 |
| 876 | = | N U 2305 |
| 877 | = | 56207 NA |
| 878 | = | FG 207 |
| 879 | = | 22216 H C |
| 880 | = | NU P 309 E N |
| 881 | = | 63062 Z |
| 882 | = | 30207 |
| 883 | = | 6308 2 R S |
| 884 | = | 6317 C 3 |
| 885 | = | 6320 C 3 |
| 886 | = | 6321 |
| 887 | = | N 321 |
| 888 | = | 6217 |
| 889 | = | N 217 |
| 890 | = | 6309 |
| 891 | = | 6311 |
| 892 | = | 6316 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----|-----------|------------------|
| 893 | = | 6305 |
| 894 | = | 6414 |
| 895 | = | 6313 |
| 896 | = | N U 316 |
| 897 | = | N U 314 |
| 898 | = | NU 2220 |
| 899 | = | 6220 C3 |
| 900 | = | 7316 B |
| 901 | = | N U 320 |
| 902 | = | 23026 E S |
| 903 | = | 29426 E |
| 904 | = | 31315 |
| 905 | = | 2316 NU |
| 906 | = | 23230 |
| 907 | = | 22316 C |
| 908 | = | 24152 C |
| 909 | = | 24136 C |
| 910 | Qadissia | 7310 B |
| 911 | = | 7310 C3 |
| 912 | = | 7312 C3 |
| 913 | Tameem | 6310 |
| 914 | = | 6309 |
| 915 | = | 6308 |
| 916 | = | 6307 |
| 917 | = | 6311 |
| 918 | = | 6305 |
| 919 | = | 6306 |
| 920 | = | 6315 |
| 921 | = | 6322 |
| 922 | = | 6210 |
| 923 | = | 6312 |
| 924 | Mesaan | 6305 |
| 925 | = | 6306 |
| 926 | = | 6308 |
| 927 | = | 6309 |
| 928 | = | 6310 |
| 929 | = | 6311 |
| 930 | = | 6411 |
| 931 | = | 6410 |
| 932 | = | 6314 |
| 933 | = | 6315 |
| 934 | = | 6316 |
| 935 | = | 6317 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----------|------------------|-------------------------|
| 936 | Muthana | 6312 C3 |
| 937 | = | 7314 |
| 938 | = | N 314 |
| 939 | = | 6308 C3 |
| 940 | = | 1- 1 / 4 |
| 941 | = | N 1 1 / 4 |
| 942 | = | N U 222 |
| 943 | = | 6217 |
| 944 | = | 6306 |
| 945 | = | 6308 |
| 946 | = | 6312 |
| 947 | = | 6305 |
| 948 | = | G 204 |
| 949 | = | 6212 |
| 950 | = | 6208 |
| 951 | = | 6206 |
| 952 | = | 6315 |
| 953 | = | 6316 |
| 954 | = | 6317 |
| 955 | = | 7314 B |
| 956 | = | 314 N |
| 957 | Muthana | 222 N |
| 958 | = | 6309 |
| 959 | = | 6310 |
| 960 | = | 6307 |
| 961 | Basrah | 692 Z1 |
| 962 | = | 6407 Z2 |
| 963 | = | 6211 Z2 |
| 964 | = | 6410 Z2 |
| 965 | = | 6314 Z2 |
| 966 | = | 6309 Z2 |
| 967 | = | 6294 Z2 |
| 968 | = | 6313 Z2 |
| 969 | = | 6308 Z2 |
| 970 | = | 6209 Z2 |
| 971 | = | 6305 Z2 |
| 972 | = | 6210 Z2 |
| 973 | = | 6310 Z2 |
| 974 | = | 6306 Z2 |
| 975 | = | 6406 Z1 |
| 976 | = | 6311 Z2 |
| 977 | = | 6312 Z2 |
| 978 | = | 214 N |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|------|-----------|------------------|
| 979 | = | 6307 Z2 |
| 980 | = | 6315 Z2 |
| 981 | = | 6206 Z2 |
| 982 | = | 6205 Z2 |
| 983 | = | 6202 Z2 |
| 984 | = | 6203 Z3 |
| 985 | Wasit | 6305 |
| 986 | = | 6306 |
| 987 | = | 6307 |
| 988 | = | 6308 |
| 989 | = | 6309 |
| 990 | = | 6310 |
| 991 | = | 6311 |
| 992 | = | 6312 |
| 993 | = | 6313 |
| 994 | = | 6314 |
| 995 | = | 6315 |
| 996 | = | 6316 |
| 997 | = | 6317 |
| 998 | = | 6318 |
| 999 | = | 6319 |
| 1000 | = | 6320 |
| 1001 | = | 6205 |
| 1002 | = | 6206 |
| 1003 | = | 6207 |
| 1004 | Wasit | 6208 |
| 1005 | = | 6209 |
| 1006 | = | 6210 |
| 1007 | = | 6211 |
| 1008 | = | 6212 |
| 1009 | = | 6213 |
| 1010 | = | 6214 |
| 1011 | = | 6215 |
| 1012 | = | 3305 |
| 1013 | = | 3306 |
| 1014 | = | 3307 |
| 1015 | = | 3308 |
| 1016 | = | 3309 |
| 1017 | = | 3310 |
| 1018 | = | 3311 |
| 1019 | = | 3312 |
| 1020 | = | 3313 |
| 1021 | = | 3314 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|------|-------------|------------------|
| 1022 | = | 3315 |
| 1023 | = | 3316 |
| 1024 | = | 3317 |
| 1025 | = | 3318 |
| 1026 | = | 3319 |
| 1027 | = | 3320 |
| 1028 | = | 7305 |
| 1029 | = | 7306 |
| 1030 | = | 7307 |
| 1031 | = | 7308 |
| 1032 | = | 7309 |
| 1033 | = | 7310 |
| 1034 | = | 7311 |
| 1035 | = | 7312 |
| 1036 | = | 7313 |
| 1037 | = | 7314 |
| 1038 | Diala | 6308 |
| 1039 | = | 6315 |
| 1040 | = | 6309 |
| 1041 | = | 6305 |
| 1042 | = | 6207 |
| 1043 | = | 6209 |
| 1044 | = | 6307 |
| 1045 | = | 6310 |
| 1046 | = | 6312 |
| 1047 | = | 6313 |
| 1048 | = | 6409 |
| 1049 | = | 6306 |
| 1050 | = | R MS 14 |
| 1051 | Diala | 6216 |
| 1052 | = | 6204 |
| 1053 | = | 6316 |
| 1054 | = | 6206 |
| 1055 | = | 6208 |
| 1056 | = | 633 L Z |
| 1057 | = | 6410 |
| 1058 | = | 6304 |
| 1059 | = | R M S 10 |
| 1060 | = | R M S 12 |
| 1061 | Salaheldeen | 6305 |
| 1062 | = | 6307 |
| 1063 | = | 6308 |
| 1064 | = | 6311 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|------|-------------|------------------|
| 1065 | = | 6313 |
| 1066 | = | 6315 |
| 1067 | = | 6317 |
| 1068 | = | 6318 |
| 1069 | = | 6319 |
| 1070 | = | 6406 |
| 1071 | = | 6411 |
| 1072 | = | 6312 |
| 1073 | = | N U 317 |
| 1074 | = | N U 319 |
| 1075 | = | NU 322 |
| 1076 | = | N U 318 |
| 1077 | = | 6205 |
| 1078 | = | 6208 |
| 1079 | = | 6210 |
| 1080 | = | 6212 |
| 1081 | = | N U 315 |
| 1082 | = | R M S 10 |
| 1083 | = | R M S 16 / 15 |
| 1084 | = | 2 R S 6309 |
| 1085 | = | 2 R S 6307 |
| 1086 | = | 2 R S 6306 |
| 1087 | = | 2 R S 6308 |
| 1088 | = | M J I 3 / 4 |
| 1089 | = | N U 319 |
| 1090 | = | N U 219 |
| 1091 | = | 7316 |
| 1092 | = | N 212 |
| 1093 | = | N 313 |
| 1094 | = | 6310 |
| 1095 | = | 6309 |
| 1096 | = | 6314 |
| 1097 | = | 6308 |
| 1098 | Salaheldeen | 7309 |
| 1099 | = | 7310 |
| 1100 | = | 7311 |
| 1101 | = | 7312 |
| 1102 | = | 7314 |
| 1103 | = | N 324 |
| 1104 | = | 6306 |
| 1105 | = | N U 312 |
| 1106 | = | 6313 |
| 1107 | = | N U 215 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|------|-----------|------------------|
| 1108 | = | N U 216 |
| 1109 | = | 1 3 / 4 |
| 1110 | = | 6317 |
| 1111 | = | 6206 |
| 1112 | = | R M S 14 |
| 1113 | = | M Z T 13 / 19 |
| 1114 | = | 6319 NU |
| 1115 | = | 6318 NU |
| 1116 | Thiqar | 6004 |
| 1117 | = | 6206 |
| 1118 | = | 6305 |
| 1119 | = | 6306 |
| 1120 | = | 6307 |
| 1121 | = | 6308 |
| 1122 | = | 6309 |
| 1123 | = | 6310 |
| 1124 | = | 6311 |
| 1125 | = | 6312 |
| 1126 | = | 6313 |
| 1127 | = | 6314 |
| 1128 | = | 6315 |
| 1129 | = | 6316 |
| 1130 | = | 6317 |
| 1131 | = | 6207 |
| 1132 | = | 6208 |
| 1133 | = | 6209 |
| 1134 | = | 6210 |
| 1135 | = | 6215 |
| 1136 | = | 6217 |
| 1137 | = | 6406 |
| 1138 | = | 6405 |
| 1139 | = | 3318 |
| 1140 | = | 2211 |
| 1141 | = | 22320 |
| 1142 | = | N U 320 / C3 |
| 1143 | = | N U 318 |
| 1144 | = | 3216 |
| 1145 | Thiqar | 3313 |
| 1146 | = | 220 |
| 1147 | = | N U 218 |
| 1148 | = | 217 |
| 1149 | = | 7317 |
| 1150 | = | 216 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Gov. name | Ball Bearing no. |
|-----------|------------------|-------------------------|
| 1151 | = | 23026 |
| 1152 | = | 32318 |
| 1153 | = | 2317 |
| 1154 | = | 7411 |
| 1155 | = | 6416 |
| 1156 | = | 7320 |
| 1157 | = | 2209 |
| 1158 | = | 7409 |
| 1159 | = | N 319 |
| 1160 | = | 6319 |
| 1161 | = | N 207 |
| 1162 | = | N 205 |
| 1163 | = | 6318 |
| 1164 | = | 6324 |
| 1165 | = | 2307 |
| 1166 | = | 6328 |
| 1167 | = | 3211 |
| 1168 | = | 6211 |
| 1169 | = | 6212 |
| 1170 | = | 5305 |
| 1171 | = | 6034 |
| 1172 | = | 1305 |
| 1173 | = | 3406 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

IV: ELECTRICAL MATERIALS

(Excluding all items that may be notifiable under resolution 1051)

IV-A GWSA

STARTERS

Starters as follows (Rating in Amper) with type indicated

| No | Starters Type | Rating (A) |
|------|------------------------------|---------------|
| 1174 | S-D | 500 |
| 1175 | S-D | 400 |
| 1176 | S-D | 350 |
| 1177 | S-D | 320 |
| 1178 | S-D | 300 |
| 1179 | S-D | 250 |
| 1180 | S-D | 220 |
| 1181 | S-D | 200 |
| 1182 | S-D | 180 |
| 1183 | S-D | 160 |
| 1184 | S-D | 140 |
| 1185 | S-D | 120 |
| 1186 | S-D | 110 |
| 1187 | S-D | 100 |
| 1188 | S-D | 90 |
| 1189 | S-D | 80 |
| 1190 | S-D | 75 |
| 1191 | S-D | 60 |
| 1192 | S-D | 50 |
| 1193 | S-D | 45 |
| 1194 | S-D | 30 |
| 1195 | S-D | 22 |
| 1196 | S-D | 15 |
| 1197 | S-D | 11 |
| 1198 | DOL | 8 |
| 1199 | DOL | 6 |
| 1200 | S-R (5 STAGE) WITH IMPEDANCE | 1100 |
| 1201 | S-R (5 STAGE) WITH IMPEDANCE | 1300 |
| 1202 | S-D | 1000 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Electric Motors

| No | Governorate | | Project Name | KW | r.p.m | Type |
|------|-------------|----------|-------------------------|------|-------|-------|
| | | Name | | | | |
| 1203 | | Wasit | 1/ 4 million gallon C.U | 30 | 1500 | S.C |
| 1204 | | Muothana | Rumaitha W.T.P | 5.5 | 1500 | V.S.C |
| 1205 | | = | Rumaitha W.T.P * | 0.15 | 1180 | S.C |
| 1206 | | Basrah | Karma C.U (1) | 0.55 | 2900 | V.S.C |
| 1207 | | = | R.O / W.P.S | 160 | 1500 | S.C |
| 1208 | | = | Karma C.U (2) | 0.37 | 2900 | V.S.C |
| 1209 | | = | Kore -Al-Zber W.T.P | 18.5 | 2930 | S.C |
| 1210 | | = | Kore -Al-Zber W.T.P | 4 | 1500 | V.S.C |
| 1211 | | = | Kore -Al-Zber W.T.P | 0.55 | 1500 | V.S.C |
| 1212 | | = | Kore -Al-Zber W.T.P | 1.1 | 1500 | V.S.C |
| 1213 | | = | Al-Mudina W.T.P | 45 | 1500 | S.C |
| 1214 | | = | Compact Unite | 55 | 1500 | S.C |
| 1215 | | = | R.O / W.P.S | 315 | 1500 | S.C |
| 1216 | | = | R.O / W.P.S | 220 | 1500 | S.C |
| 1217 | | = | AQUA C.U. | 7.5 | 1500 | S.C |
| 1218 | | = | (25) million Project | 18.5 | 1500 | S.C |
| 1219 | | Missan | Unified W.T.P | 120 | 1500 | S.C |
| 1220 | | = | Unified W.T.P | 90 | 1500 | S.C |
| 1221 | | = | 1/ 4 million gallon C.U | 18.5 | 1500 | S.C |
| 1222 | | = | 1/ 4 million gallon C.U | 45 | 1500 | S.C |
| 1223 | | = | Unified Project | 37.5 | 1000 | S.C |
| 1224 | | = | Al-Rafidan W.T.P | 37.5 | 1500 | S.C |
| 1225 | | = | Raw Water B.S | 150 | 750 | S.C |
| 1226 | | Diala | Baquba W.T.P | 185 | 1500 | S.C |
| 1227 | | = | Baquba W.T.P | 110 | 1500 | S.C |
| 1228 | | = | Baquba W.T.P | 90 | 1500 | S.C |
| 1229 | | = | Baquba W.T.P | 75 | 1500 | S.C |
| 1230 | | = | Baquba W.T.P | 55 | 1500 | S.C |
| 1231 | | = | Baquba W.T.P | 37 | 1500 | S.C |
| 1232 | | = | Baquba W.T.P | 15 | 1000 | S.C |
| 1233 | | = | Kanaan W.T.P | 30 | 1000 | S.C |
| 1234 | | = | Kanaan W.T.P | 7.5 | 1400 | S.C |
| 1235 | | = | Baldroz | 6 | 1000 | S.C |
| 1236 | | = | Al-Khalis * | 1.5 | 1500 | S.C |
| 1237 | | = | Baldroz | 3 | 1000 | V.S.C |
| 1238 | | = | Al-Saadiya W.T.P * | 3.5 | 1000 | S.C |
| 1239 | | = | Kan Beni - Saad * | 2 | 1000 | S.C |
| 1240 | | = | Kan Beni - Saad * | 4 | 1000 | V.S.C |
| 1241 | | = | Kan Beni - Saad * | 5 | 1000 | V.S.C |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Governorate | | Project Name | KW | r.p.m | Type |
|------|-------------|------------|---------------------------------|------|-------|-------|
| | | Name | | | | |
| 1242 | | = | Jalawla W.T.P | 1 | 1500 | S.C |
| 1243 | | = | Jalawla W.T.P | 59 | 1500 | S.C |
| 1244 | | Nenewa | Motor for electric Valve | 0.34 | 1350 | S.C |
| 1245 | | Nenewa | Motor for electric Valve | 0.55 | 900 | S.C |
| 1246 | | = | Motor for electric Valve | 0.27 | 900 | S.C |
| 1247 | | = | Motor for electric Valve | 0.13 | 1400 | S.C |
| 1248 | | = | Motor for electric Valve | 0.18 | 1400 | S.C |
| 1249 | | = | Mousal Right Bank W.T.P * | 510 | 1500 | S.C |
| 1250 | | = | | 510 | 1500 | S.C |
| 1251 | | = | | 250 | 1500 | S.C |
| 1252 | | = | | 200 | 1500 | S.C |
| 1253 | | = | | 185 | 1500 | S.C |
| 1254 | | = | | 160 | 1500 | S.C |
| 1255 | | = | | 120 | 1500 | S.C |
| 1256 | | = | | 100 | 1500 | S.C |
| 1257 | | = | | 75 | 1500 | S.C |
| 1258 | | = | | 50 | 1500 | S.C |
| 1259 | | = | | 37.5 | 1500 | S.C |
| 1260 | | = | | 25 | 1500 | S.C |
| 1261 | | = | | 18.5 | 1500 | S.C |
| 1262 | | = | | 12.5 | 1500 | S.C |
| 1263 | | = | | 7.5 | 1500 | S.C |
| 1264 | | Tameem | Bor -holles (submersible) | 15 | 3000 | V.S.C |
| 1265 | | = | Bor -holles (submersible) | 22 | 3000 | V.S.C |
| 1266 | | Salahelden | Bafaq C.U * | 3 | 3000 | S.C |
| 1267 | | = | Al-Shirqad W.T.P | 75 | 1500 | S.C |
| 1268 | | = | Al-Shirqad W.T.P | 37.5 | 1500 | S.C |
| 1269 | | = | Al-Shirqad W.T.P | 18.5 | 1500 | S.C |
| 1270 | | = | Old Al-Shirqad W.T.P | 15 | 1500 | S.C |
| 1271 | | = | Old Al-Shirqad W.T.P | 11 | 1500 | S.C |
| 1272 | | = | Old Al-Shirqad W.T.P | 7.5 | 1500 | S.C |
| 1273 | | = | Talol Al-Baaj | 160 | 3000 | S.C |
| 1274 | | = | Al-Jarnaf C.U. | 60 | 1500 | S.C |
| 1275 | | = | Al-Shirqad No. (2) | 22 | 1500 | S.C |
| 1276 | | = | Baaja C.U. | 18.5 | 1500 | S.C |
| 1277 | | = | Al-Shirqad No. (2) | 15 | 1500 | S.C |
| 1278 | | = | Bafaq C.U. in Al-Dor * | 3 | 3000 | S.C |
| 1279 | | Baghdad | Al-Rashedya w.t.p for scraper * | 1.5 | 1500 | S.C |
| 1280 | | Najaf | Sewage Project | 5.5 | 1500 | V.S.C |
| 1281 | | = | Sewage Project | 7.5 | 1500 | V.S.C |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Governorate | | Project Name | KW | r.p.m | Type |
|------|-------------|----------|--------------------------------|------|-------|-------|
| | | Name | | | | |
| 1282 | | Qadissia | Diwanyah W.T.P | 90 | 1500 | S.C |
| 1283 | | = | Diwanyah W.T.P | 250 | 1500 | S.C |
| 1284 | | = | Diwanyah W.T.P | 75 | 1500 | S.C |
| 1285 | | = | 1/ 4 million gallon C.U | 18.5 | 3000 | S.C |
| 1286 | | Qadissia | Diwanyah W.T.P | 5.5 | 1500 | S.C |
| 1287 | | = | Diwanyah W.T.P | 11 | 1500 | S.C |
| 1288 | | = | Diwanyah W.T.P | 2.2 | 1000 | V.S.C |
| 1289 | | = | Sewage Project | 45 | 1500 | V.S.C |
| 1290 | | Qadissia | Sewage Project | 1.1 | 1500 | V.S.C |
| 1291 | | = | Diwanyah B.S | 7.5 | 1500 | S.C |
| 1292 | | = | Diwanyah W.T.P | 45 | 1500 | V.S.C |
| 1293 | | Anbar | west desert (B4) | 670 | 1500 | S.R |
| 1294 | | = | west desert (all pump station) | 540 | 1500 | S.R |
| 1295 | | = | west desert (A1) | 450 | 1500 | V.S.C |
| 1296 | | = | west desert (T.P) | 100 | 1500 | S.C |
| 1297 | | = | west desert (T.P) / P.S | 11 | 1500 | S.C |
| 1298 | | = | west desert (B6) | 380 | 1500 | S.C |
| 1299 | | = | west desert (T.P) | 7.5 | 3000 | S.C |
| 1300 | | = | west desert (B) | 160 | 1500 | S.C |

** THE MOTOR MUST BE WITH FLANGE .*

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Wire Winding For Electrical Motors

| No | Standard | size |
|-----------|-----------------|-------------|
| 1301 | 32 | 0.28 |
| 1302 | 31 | 0.29 |
| 1303 | 30 | 0.31 |
| 1304 | 29 | 0.35 |
| 1305 | 28 | 0.38 |
| 1306 | 27 | 0.43 |
| 1307 | 26 | 0.47 |
| 1308 | 25.5 | 0.48 |
| 1309 | 25 | 0.5 |
| 1310 | 24.5 | 0.54 |
| 1311 | 24 | 0.56 |
| 1312 | 23 | 0.61 |
| 1313 | 22 | 0.71 |
| 1314 | 21.5 | 0.75 |
| 1315 | 21 | 0.81 |
| 1316 | 20 | 0.9 |
| 1317 | 19.5 | 0.95 |
| 1318 | 19 | 1 |
| 1319 | 18.5 | 1.12 |
| 1320 | 18 | 1.20 |
| 1321 | 17.5 | 1.3 |
| 1322 | 17 | 1.4 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Circuit breaker

- Air circuit breaker moulded case 380v , 50H7 , 3phase 3pole with thermal over load, magnetic short circuit protection breaker from 1600 A will be motorized type.
- Circuit breaker from 1600 A will be motorized type .
- Mininture Circuit breaker from (25)A and below.
- Breaking capacity as follows :
 - a- Circuit breaker rating 1000 A and above (100)KA.
 - b- Circuit breaker below 1000 A to (300 A) 50 KA .
 - c- Circuit breaker below 300 A will be 30 KA.

| No | Rabing(A) |
|------|-------------|
| 1323 | 10 |
| 1324 | 16 |
| 1325 | 20 |
| 1326 | 25 |
| 1327 | 32 |
| 1328 | 40 |
| 1329 | 63 |
| 1330 | 80 |
| 1331 | 100 |
| 1332 | 150 |
| 1333 | 160 |
| 1334 | 200 |
| 1335 | 250 |
| 1336 | 300 |
| 1337 | 400 |
| 1338 | 500 |
| 1339 | 800 |
| 1340 | 1000 |
| 1341 | 1250 |
| 1342 | 1600 |
| 1343 | 2000 |
| 1344 | 2500 |
| 1345 | 3200 |
| 1346 | 4000 |
| 1347 | 5000 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Contactors

| No | Rating | Voltage of coil |
|-----------|---------------|------------------------|
| | (A) | (V) |
| 1348 | 400 | SF6 (3.3kv) |
| 1349 | 700 | 380 |
| 1350 | 600 | 380 |
| 1351 | 450 | 380 |
| 1352 | 400 | 380 |
| 1353 | 330 | 380 |
| 1354 | 300 | 380 |
| 1355 | 210 | 380 |
| 1356 | 180 | 380 |
| 1357 | 150 | 380 |
| 1358 | 120 | 380 |
| 1359 | 100 | 380 |
| 1360 | 80 | 380 |
| 1361 | 63 | 380 |
| 1362 | 45 | 380 |
| 1363 | 20 | 380 |
| 1364 | 16 | 380 |
| 1365 | 630 | 220 |
| 1366 | 500 | 220 |
| 1367 | 450 | 220 |
| 1368 | 400 | 220 |
| 1369 | 350 | 220 |
| 1370 | 300 | 220 |
| 1371 | 280 | 220 |
| 1372 | 250 | 220 |
| 1373 | 225 | 220 |
| 1374 | 200 | 220 |
| 1375 | 180 | 220 |
| 1376 | 160 | 220 |
| 1377 | 150 | 220 |
| 1378 | 125 | 220 |
| 1379 | 100 | 220 |
| 1380 | 80 | 220 |
| 1381 | 63 | 220 |
| 1382 | 50 | 220 |
| 1383 | 40 | 220 |
| 1384 | 30 | 220 |
| 1385 | 25 | 220 |
| 1386 | 20 | 220 |
| 1387 | 16 | 220 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Rating | Voltage of coil |
|-----------|---------------|------------------------|
| | (A) | (V) |
| 1388 | 10 | 220 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

IV-B ELECTRICAL SUPPLIES (BWSA)

| MEASUREMENT EQUIPMENT | |
|-----------------------|--|
| 1389 | DIGITAL MULTIMETER FOR ELECTRICAL MEASUREMENTS - APPROVED TO ISO 9002 - IMPACT RESISTANT WITH SUITABLE CAX - OVER LOAD PROTECTION AND RUSED ON ALL RANGES - MEASUREMENT RANGE : DC VOLTAGE 400mv – 1000 v <div style="text-align: right; margin-top: 10px;"> AC VOLTAGE 400mv - 750 v DC CURRENT 4mA - 10A AC CURRENT 4mA - 10A RESISTANCE 400 Ω - 40 M Ω CAPACITANCE 4nf=1uf </div> BATTERY : 1.5 V DC |
| 1390 | DIGITAL CLIP - ON AMMETER - MEASURES LARGE CURRENT INTENSIMES : <div style="text-align: right; margin-top: 5px;"> 0-200-200A,AC,DC AC VOLTAGE 0 - 750 v DC VOLTAGE 0-200V RESISTANCE 0 - 2000 Ω </div> BATTERY : 9 V DC |
| 1391 | INSULATION TESTER TEST VOLTAGE : <div style="text-align: right; margin-top: 5px;"> 250V → 0-200 MOHM 500V → 0-200 MOHM 1000V → 0-2000 MOHM </div> WITH SUITABLE BAG \$LEADS |
| 1392 | HAND TACHOMETERS FOR BOTH CLOCKWISE \$ANTI CLOCK WISE ROTATION - ACCURACY ± 0.1 R/MIN - DIGITAL DISPLAY (4 DIGITS) - MEASURING RANGE R/MIN : 5-19999 <div style="text-align: right; margin-top: 5px;"> M/MIN : 0.05 - 19999.9 </div> |
| 1393 | INDUSTRIAL THERMOMETER (INFRARED TYPE) - MEASURING RANG : 50 - + 150 C° - RESOLIETEAM : 0.1 - ACCURACY ± 1 - BATTERY : 9V DC |
| 1394 | TOOL KIT FOR ELECTRICIANS - WIRE STRIPPER , STRIPPING KNIFE. FOR CABLES , SCREWDRIVERS SET (BOTH STRAIGHT SLOT \$ PHILLIPS HEAD) , SIDE CUTTERS , WATER PUMP PLIERS , COMBINATION PLIERS , ROUND NOSE PHERS ALL IN SUITABLE TOOL BOX |

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| | |
|------|--|
| 1395 | TOOL KIT FOR MECHANICAL WORK - HEXAGON SOCKET SET , TOINTEO SOCKER SPANNER SET PHILLIPS SCREW DRIVER SET , SLOT HEAD SCREW DRIVER SET, FLAT CHISEL , HAMMER , LONG NOSED PLIERS , COMBINATION PLIERS , UNIVERSAL PLIERS , PIPE WRENCH , CASSELTE WITH 19 HIGH SPEED DRILLS IN STEP OF 0.5 mm SAW , RING SPANNER SET , ALLEN KEY SET ALL IN SUITABLE TOOL BOX. |
|------|--|

| | |
|------|---|
| 1396 | ALL BEARING EXTRACTOR MANUAL TYPE WITH THREE SIZES ADJUSTABLE TYPE |
| 1397 | ALL BEARING EXTRACTOR HYDRAULIC TYPE WITH ALL ACCESSORIES |

| | |
|------|---|
| 1398 | DIGITAL CLAMP AMMETER FOR MEASURING CURRENT |
| 1399 | VOLTAGE PROBE ; AC & D.C VOLTAGES |
| 1400 | COMPLETE SET OF SPANNERS 8 MM TO 36MM |
| 1401 | COMPLETE SET OF RING SPANNERS 8MM TO 36 MM |
| 1402 | DIGITAL AVO 20 AMPS, 1000 VAC ,500VDC |
| 1403 | MEGGER 1000V |
| 1404 | COMPLETE SET SCREW DRIVERS |
| 1405 | HYDRAULIC BALL BEARING PULLER |
| 1406 | PIPE WRENCH 8,12,18,24,36,48 INCH |

| | |
|------|---|
| 1407 | CONTACTOR EH 100 55 KW 200 A 3POLE 415 V COIL 380-400 V 50 HZ |
| 1408 | CONTACTOR EH 90 55 KW 380-415 V COIL 380-400 V 50 HZ |
| 1409 | CONTACTOR EH 300 250 KW 380- 415 V COIL 380-400 V 50 HZ |
| 1410 | CONTACTOR EH 210 160 KW 380- 415 V COIL 380-400 V 50 HZ |
| 1411 | CONTACTOR EH 175 380- 415 V COIL 380-400 V 50 HZ |
| 1412 | FUSE CYL. EI 33 500V 10 A 3-PHASE 10X38 |
| 1413 | SEQUENCE RELAY EWS 8A 250V 3-PHASE |
| 1414 | YD RELAY Y 9A US 100-415V AC1 230 6A 400V 3.8A |
| 1415 | CURRENT TRANSFORMER TA 30 A 200/5 |
| 1416 | CURRENT TRANSFORMER TA 30 A 500/5 |
| 1417 | CURRENT TRANSFORMER A 300/5 |
| 1418 | AMMETER 300/5 A |

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| | |
|------|---|
| 1419 | AMMETER 200/5 A RANGE (0-600A) |
| 1420 | OVER LOAD T135 DU RANG (80-110)A |
| 1421 | OVER LOAD T450 DU RANG (220-310)A |
| 1422 | OVER LOAD T200 DU RANG (150-200)A |
| 1423 | POWER SWITCH 500A IEC 947 |
| 1424 | POWER SWITCH 250A T200 K 11 IEC 947-3 SK616 |
| 1425 | POWER SWITCH 315A IT315 K 111 |
| 1426 | PUSH BOTTON GREEN SK 616 00-B ITH : 10A |
| 1427 | PUSH BOTTON SK 616 003-A 230 V MAX 2W |

| | |
|------|---|
| 1428 | CONTACTOR TYPE OKYM 5W22 STROMBERG ITH 400 A 415V |
| 1429 | CONTACTOR TYPE ASEA 800 A |
| 1430 | CONTACTOR TYPE ASEA 300 A |
| 1431 | CONTACTOR TYPE ASEA 200 A |

| | |
|------|------------------------------------|
| 1432 | PLUMMER BLOCK SKF. SN 216+1216 |
| 1433 | PLUMMER BLOCK SKF. SN 213+1213 |
| 1434 | SPHERICAL ROLLER BEARING 6322 |
| 1435 | BEARING 6310 |
| 1436 | BEARING 6307 |
| 1437 | BEARING 6207 |
| 1438 | BEARING 6315 |
| 1439 | BEARING 7318 |
| 1440 | BEARING 22216 |
| 1441 | BEARING 1209 |
| 1442 | NAC 205 |
| 1443 | BALL BEARING SKF 6307/C3 |
| 1444 | MOTOR BEARINGS SKF 6310/C3 |
| 1445 | BEARING 6214 |
| 1446 | BEARING FOR MOTOR 6322C3 |
| 1447 | BEARING FOR MOTOR 6313 C3 , 6312C3 |
| 1448 | BALL BEARING FOR MOTOR NO. 6317 C3 |
| 1449 | BALL BEARING FOR MOTOR NO. 6320 C3 |
| 1450 | THRNST BEARRING 6309 (SKF) |
| 1451 | LINE BEARING 6211 (SKF) |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| | |
|------|--|
| | <p>LOW VOLTAGE (400 VAC, 3PH, 50HZ) AUTOMATIC OPERATION , (USING CONTECTORS OR CIRCUIT BREAKERS) SUTABLE FOR STAND BY GENERATORS MECHANICAL AND ELECTRICAL INTEROCKS TO PROVIDE SAFE OPERATION EITHER FROM MAIN OR GENERATOR INCLUDED IN SUTABLE BOARD TO BE WALL MOUNTED LUMP INDICATORS FOR VOLTAGE SOURS</p> |
| 1452 | 400A |
| 1453 | 630A |
| 1454 | 1250A |
| 1455 | 800A |

V AIR COMPRESSORS

(Excluding all items that may be notifiable under resolution 1051)

Compressors with jack – Hammer

| No | Description |
|------|--|
| 1456 | Air Compressor With spare parts 360 ft/min |
| 1457 | Ditto but 250 ft/min . |
| 1458 | Ditto but 175 ft/min . |
| 1459 | Ditto but pressure (12 - 14) bar |

| | |
|--|------------------------|
| 1460 | AIR COMPRESSORS |
| <p>7 BAR T.M : 1250 MAX SPEED : 1000 R.P.M Q :81 M3/H</p> | |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Air Blowers

| No | Capacity (m³/h) | Head (m) |
|-----------|---------------------------------------|---------------------|
| 1461 | 1600 | 10 |
| 1462 | 800 | 10 |
| 1463 | 600 | 10 |
| 1464 | 300 | 10 |
| 1465 | 400 | 10 |
| 1466 | 250 | 10 |
| 1467 | 200 | 10 |
| 1468 | 100 | 10 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

Thermal Over Load

| No | Rating (A) |
|-----------|-----------------------|
| 1469 | (480 - 510) |
| 1470 | (440-460) |
| 1471 | (240- 260) |
| 1472 | (190 - 220) |
| 1473 | (170- 200) |
| 1474 | (150-175) |
| 1475 | (140-160) |
| 1476 | (130- 150) |
| 1477 | (110-130) |
| 1478 | (105-125) |
| 1479 | (90 -110) |
| 1480 | (75- 105) |
| 1481 | (65- 80) |
| 1482 | (50- 70) |
| 1483 | (45 -57) |
| 1484 | (40 -80) |
| 1485 | (30 -50) |
| 1486 | (25 -35) |
| 1487 | (24 - 40) |
| 1488 | (20 - 60) |
| 1489 | (18 - 25) |
| 1490 | (15 -20) |
| 1491 | (9- 12) |
| 1492 | (3 - 6) |
| 1493 | (0.5 - 1.5) |
| 1494 | (0.4-1) |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VI: SEWAGE SYSTEM EQUIPMENT AND PARTS

(Excluding all items that may be notifiable under resolution 1051)

| SPARE PARTS FOR SEWAGE TREATMENT PLANTS | |
|--|--|
| 1495 | Gear box : size MHT 2 Rating 1.5 kw output 71.3 rpm ratio 20.34:1 |
| 1496 | Gear box : size MHT 3 Rating 1.5 kw output 46 rpm ratio 31.48:1 |
| 1497 | TRANSFORMERS (INDUSTRIAL TYPE) INDOOR |
| 1498 | 3M.V.A , 11KV - 3.46KV |
| 1499 | 600 K.V.A, 3.3 KV – 400V |
| 1500 | 100 K.V.A , 3.3 KV – 400V |
| 1501 | 2 M.V.A , 11KV –400 V |
| 1502 | 750 K.V.A, 3.3KV –400V |
| 1503 | 1M.V.A, 11KV –400 V |
| 1504 | 250 K.V.A, 3.3 KV – 400V |
| 1505 | 500 K.V.A ,3.3 KV –400 V |
| 1506 | 1 M.V.A, 3.3KV – 400 V |
| 1507 | ELECTRICAL MOTORS |
| 1508 | Squirrel cage induction motor: 7.5 kw, 380v ,17.6 A, 975 RPM ,V1 , delta connection class F IP 55 |
| 1509 | Squirrel cage : 15 kw, 380v ,31 A, 1440 RPM ,V1 , delta connection class F IP 55 |
| 1510 | Slip ring : 105 HP ,3.3kv ,585 rpm, Ip 23,v1 ,Vrot = 400 Irat =119A class F |
| 1511 | Slip ring : ,3.3kv 220kw,422 rpm, Ip 23, ,Vrat 500 Irat =252A class F- |
| 1512 | Slip ring : 160 kw ,3.3kv ,492 rpm,V1 , class F- |
| 1513 | Slip ring : 400v,297 kw , ,585 rpm,V1 , (F1) class F- Ip 23 |
| 1514 | Slip ring : 160 kw ,3.3kv ,720 rpm,V1 , class F- Ip 23 |
| 1515 | Slip ring: 90 kw ,3.3kv ,720 rpm,V1 , class F- Ip 23 |
| 1516 | GRAPHITE BRUSHES : Copper –graphite brushes with flexible wire coated by anti corrosive metal : 60*40*30 mm |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| | |
|------|---|
| 1517 | AIR blowers roots type Capacity :1000m3/HR Power :30 kw Pressure:600 MBAR Speed : 1610 AIR blowers roots type Capacity :1000m3/HR Power :30 kw Pressure:600 MBAR Speed : 1610 Equipped with electric motor squirrel cage Power rate :30 kw 1500 RPM Ip55 class f 380 v 50 HZ |
| 1518 | AIR blowers roots type Capacity :4200m3/HR Power :110 kw Pressure:600 MBAR Speed : 1155 Equipped with electric motor squirrel cage Power rate :110 kw 1500 RPM Ip55 class f 380 v 50 HZ |
| 1519 | Wineflex coupling flexacier Length of seg . 155.9 mm Thicknass 4.06 mm Width.91.3mm Pitch no 1.48 |

EQUIPMENT FOR SEWAGE NETWORK REPAIRS

| | |
|------|--|
| 1520 | Trench Boxes for reliable shoring , depth of excavation up to 6.0 m, width up to 4.5m , pipe sizes up to 1000mm |
|------|--|

| Pipe stoppers for pipe diameters: | |
|--|----------------|
| 1521 | 315 mm |
| 1522 | 400 mm |
| 1523 | 500 mm |
| 1524 | 600 mm |
| 1525 | 700 mm |
| 1526 | 800 mm |
| 1527 | 900 mm |
| 1528 | 1000 mm |

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VII: SPARE PARTS FOR MOSUL WATER TREATMENT PLANTS

(Excluding all items that may be notifiable under resolution 1051)

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

| No | Item Description |
|------|---|
| 1529 | ASEA contactor, EH 9-10, Iec 158-1, Vdelta E 0660, AC3 220 , 380 V, Ith=25A, SK 812 003 for electrical generator 1250 K.V.A |
| 1530 | ASEA contactor, EH 6-22E, Iec 337-1, Vdelta E 0660, AC11 110-220 , 380 V, Ith=25A, SK 811 023 for electrical generator 1250 K.V.A |
| 1531 | ASEA flag relay, 5615 453-D, N=11000, D=0, 132 mm, R=460 OHM., RxsF 1, RK 271-003-AD for electrical generator 1250 K.V.A |
| 1532 | ASEA relay, RASA 4, RK861-001-BA, u1=u2, 110-120, V/220-240 V, 50-60 HZ., Df2 HZ. for electrical generator 1250 K.V.A |
| 1533 | Bearing centre sleeve, part No.(54.00).Dimension (TM80).Material (C45N) |
| 1534 | Bearing bush. part (54.50). Dimension (109/127x100). Material (Silicon-Carbid) |
| 1535 | Deflector. Part NO. (50.10). Dimension (00/146x16). Material (ULTRAMID) |
| 1536 | Impiller. Part NO. (23.00). Dimension (LA667x77). Material (1.4408) |
| 1537 | Shaft screw. Part NO.(90.42). Dimension (M10x20). Material (A4-70) |
| 1538 | Shaft sleeve. Part NO. (52.30). Dimension (91/109x100). Material (Silicon -Carbid) |
| 1539 | Shaft sleeve. Part NO. (52.40). Dimension (A86/95x170). Material (1.4021.05) |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VIII VEHICLE SPARE PARTS (Excluding all items that may be notifiable under resolution 1051) **VIII–A: Spare part for (Volvo , Caterpillar, Foun, Hino, Kawsaky) Cars & Equipment spare part of caterpillar equipment**

| No | Item. | p.No. | Des. |
|------|-------|---------|-----------------|
| 1540 | 1- | 5D 9553 | Cutting Edge |
| | 2- | IU 3301 | Cutting tip |
| | 3- | 2P 8889 | Cyl. Liner |
| | 4- | IW 6757 | Ring set. |
| | 5- | 6V 2209 | gasket Kit |
| | 6- | 6N 7005 | Nozzle |
| | 7- | 2W 6091 | Ring set. |
| | 8- | 8N 6000 | cylinder head |
| | 9- | 1N 4304 | cylinder head |
| | 10- | 1N1301 | cylinder head |
| | 11- | 8N 1188 | cylinder head |
| | 12- | 4N 6116 | Fule pump |
| | 13- | 6N 7527 | plunger bushing |
| | 14- | 4N 6860 | cartridge |
| | 15- | 8N 1831 | Nozzle |
| | 16- | 8N 5510 | Turbocharge |
| | 17- | 8J 0448 | Fuel inj. pump |
| | 18- | 4N 6859 | Turbo charge |
| | 19- | 7N 2834 | Kit |
| | 20- | 6N 9653 | Oil cooler |
| | 21- | 2S 8959 | Seal |
| | 22- | 8A 2252 | Piston |
| | 23- | 4N 6258 | Bearing |
| | 24- | 8S 7762 | Ring set |
| | 25- | 4V 7062 | Disk |
| | 26- | 8J 498 | Pump |
| | 27- | 4V 5415 | Kit |
| | 28- | 3T 3421 | Stator |
| | 29- | 6N 9915 | Valve |
| | 30- | 6N 9916 | Valve |
| | 31- | 1W 3058 | Water pump |
| | 32- | 1W 6756 | Air compressor |
| | 33- | 6H 2577 | Universal Joint |
| | 34- | 7N 128 | Oil cooler |
| | 35- | 7N 165 | Oil cooler |
| | 36- | 2P 0661 | Water pump |
| | 37- | 9S 8914 | Kit |
| | 38- | 5S 7232 | Valv |
| | 39- | 5S 6452 | Valv |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VIII-B: Spare Part Of Volvo Cars

| No | Item. | p.No. | Des. |
|------|-------|------------------|---------------------|
| 1541 | 1- | 275099 or 275036 | Cyl. Liner Kit |
| | 2- | 275551 | Gasket Kit |
| | 3- | 276122 or 275531 | Gasket |
| | 4- | 275304 | Piston ring Kit |
| | 5- | 467517 | Oil pump |
| | 6- | 276155 or 275570 | Oil pump Kit |
| | 7- | 270100 | Big end bearing Kit |
| | 8- | 270439 | Main bearing Kit |
| | 9- | 270101 | Big end bearing Kit |
| | 10- | 270440 | Main bearing Kit |
| | 11- | 1699789-467915 | Water pump |
| | 12- | 276802-275615 | Water pump Kit |
| | 13- | 423125 | Pulley |
| | 14- | 467466 | Fule inj. pump |
| | 15- | 243083 | Feed pump |
| | 16- | 240808 | pump unit |
| | 17- | 240423 | Delivery valver |
| | 18- | 243742 | Delivery valver |
| | 19- | 3826073-70703 | Hand pump |
| | 20- | 238896 | Nozzle |
| | 21- | 467309 | Turbo charge |
| | 22- | 465930-240340 | Start motor |
| | 23- | 240488 | Solenoid switch |
| | 24- | 240493-1578140 | Starter solenide |
| | 25- | 1624089 | Alternator |
| | 26- | 1610144 | Spring pin |
| | 27- | 244343 | Diode plate |
| | 28- | 1625880-244426 | Carbon brush Kit |
| | 29- | 1698433-244340 | Rotor |
| | 30- | 1527474-267143 | Clutch |
| | 31- | 267236-1668372 | Clutch |
| | 32- | 1668373-1526047 | Drive plate |
| | 33- | 1527693-267156 | Rel. bearing |
| | 34- | 1669488-1581209 | Master cylinder |
| | 35- | 273660 | Repair Kit |
| | 36- | 1673067 | Clutch seme |
| | 37- | 966458 | Nipple |
| | 38- | 271194-273447 | Repair Kit |
| | 39- | 232367 | Centre bearing |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Item. | p.No. | Des. |
|-----------|--------------|-----------------|----------------|
| | 40- | 1587787 | Hydraulic pump |
| | 41- | 1695596 | Plate |
| | 42- | 1695592 | Shaft |
| | 43- | 1695594 | Rotor Kit |
| | 44- | 3090417-1695595 | Rotor Kit |
| | 45- | 150221 | Hub |
| | 46- | 1588406 | Screw |
| | 47- | 362166 | Nut |
| | 48- | 8151816-1584340 | Roller bearing |
| | 49- | 8151820-184088 | Roller bearing |
| | 50- | 1089552-1587792 | Seal ring |
| | 51- | 1608293-1581604 | Screw |
| | 52- | 8153600-1504951 | Relay |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VIII–C: Spare Part for Fouen Cars

| No | Item. | p.No. | Description. |
|------|-------|---------------|----------------------------------|
| 1542 | 1- | 0601-248(090) | Radiator |
| | 2- | 1614-532 | Way Valve |
| | 3- | 3298-785 | Hydrwlic engine |
| | 4- | 5122-080 | Roller brush |
| | 5- | 5122-074 | Disk brush |
| | 6- | 001431-4106 | Prusser regulator |
| | 7- | 385410-0231 | Universal joint gross |
| | 8- | 3402500215 | Relese regulator |
| | 9- | 0012503803 | clutch disc |
| | 10- | 3520303702 | crank shaft |
| | 11- | 3524700092 | Filter element |
| | 12- | 0031510501 | starting motor |
| | 13- | 0061542402 | Alternator |
| | 14- | 1701-054 | Starter |
| | 15- | 1702-117(102) | Generator |
| | 16- | 0039975492 | V. belt |
| | 17- | 0048-244 | V. belt |
| | 18- | 010074-6201 | Ingection pump |
| | 19- | 1710-074(246) | Light |
| | 20- | 0000178621 | Nozzle holder |
| | 21- | 0000173912 | Nozzle |
| | 22- | 7845-225 | Plunger nozzle |
| | 23- | 7845-480(171) | Exhaust pipe |
| | 24- | 1716-019 | Switch |
| | 25- | 1616-126 | Nose line |
| | 26- | 0000900050 | Fuel feed pump |
| | 27- | 0000900250 | Fuel pump |
| | 28- | | Bush pistom ring for engine |
| | 29- | | Bush pistom ring for rear engine |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VIII-D: Spare Part Of Hino Cars KB 422

| No | Item. | p.No. | Des. |
|------|-------|-----------------|---------------|
| 1543 | 1- | 11110-1292 | Cylinder head |
| | 2- | 13216-1230 | Piston |
| | 3- | 11467-1180 | Liner |
| | 4- | 04010-0160 | Gasket |
| | 5- | 16100-1161 | Pump |
| | 6- | 27020-1380 | Alternator |
| | 7- | 28100-1400 | Startor |
| | 8- | 13011-1630 | Ring Set |
| | 9- | 13201-1280 | Bearing |
| | 10- | 13201-1300 | Bearing |
| | 11- | 13011-1330-1340 | Ring |
| | 12- | 11701-1161 | Bearing |
| | 13- | 11704-1161 | Bearing |
| | 14- | 11703-1161 | Bearing |
| | 15- | 1111202000 | Vacum pump |
| | 16- | 32210-1113 | Boo star |
| | 17- | 32200-1011 | Repair Kit |
| | 18- | 3140-1060 | Cylinder |
| | 19- | 27700-1100 | Regulator |
| | 20- | 29100-1032 | compressor |
| | 21- | 22000-1011 | Ing. Pump |
| | 22- | 60617-2300 | Nozzle |
| | 23- | 22104-1050 | Element |
| | 24- | 9828-01168 | Oil seal |
| | 25- | 22509-1060 | pump |
| | 26- | 11011-1171 | Washer |
| | 27- | 29191-1080 | Piston Ring |
| | 28- | 29106-1070 | Piston Ring |
| | 29- | 29101-1020 | Valv ass |
| | 30- | 29110-1040 | cylinder |
| | 31- | 29185-1040 | Bearing |
| | 32- | 29173-1010 | Bearing |
| | 33- | 9828-25110 | Oil Seal |
| | 34- | 27330-1310 | Rotor |
| | 35- | 27410-1350 | Stator as. |
| | 36- | 990-063042 | Bearing |
| | 37- | 990-062032 | Bearing |
| | 38- | 28150-1320 | Switch |
| | 39- | 28160-1210 | Armature |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | Item. | p.No. | Des. |
|-----------|--------------|--------------|-------------|
| | 40- | 990-062020 | Bearing |
| | 41- | 9828-20210 | Oil seal |
| | 42- | 9881-20115 | Bearing |

VIII-E: Spare Part Of Kawsaky 70 , 80

| No | Item. | p.No. | Des. |
|-----------|--------------|---|----------------|
| 1544 | 1- | YZ 1136102190 | Water pump |
| | 2- | YZ 1811000451 | stator |
| | 3- | YZ 1812001780 | Alter nator |
| | 4- | YZ 9822500720 | Cutt out |
| | 5- | YZ 9812009513 | Feed pump |
| | 6- | YZ 41201210 | Kit |
| | 7- | L010 | Kit |
| | 8- | YZ 1878181649 | Oil cooler |
| | 9- | YZ 1217000841 | Fan |
| | 10- | YZ 210609201 | Kit |
| | 11- | 822522 | Pump |
| | 12- | YK1161071100 | Pump |
| | 13- | YK 1189022105 | Valve |
| | 14- | YZ 1125510030 | Valve |
| | 15- | YZ 1125520030 | Air compressor |
| | 16- | YZ 1191000621 | Lever |
| | 17- | 05C0151L000 | Control |
| | 18- | 05D0191L001 | Cylinder |
| | 19- | 53C0441L100 | Cylinder |
| | 20- | 53C0451L100 | Valve |
| | 21- | YTU38 | Transmisson |
| | 22- | RIF277T | Torque |
| | 23- | YKY88271X YKY7071X YRS 4078100000A | Radiator |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

VIII-F: Spare Part for Scaina Model 1981

| No | No. | Description | lorry part. No (DS) | ciesspit part No. (SN) | Qty |
|------|-----|---------------------------|---------------------|------------------------|-----|
| 1545 | 1 | Turbo charger | 252320 | | |
| | 2 | Cylinder block | 295214 | 295214 | 10 |
| | 3 | Cylinder liner | 273759 | 235828 | 30 |
| | 4 | In take valve | 324573 | 324573 | 60 |
| | 5 | Exhaust valve | 232018 | 232018 | 60 |
| | 6 | Set intake valve | 289517 | 289517 | 60 |
| | 7 | Set exhaust valve | 289518 | 289518 | 60 |
| | 8 | set of piston | 307079 | 307081 | 20 |
| | 9 | set of piston ring | 550170 | 550170 | 30 |
| | 10 | connecting rod | 318062 | 318062 | 15 |
| | 11 | Bushing | 170094 | 170094 | 120 |
| | 12 | set of bearing shell | 279620 | 279620 | 30 |
| | | | 279621 | 279621 | 30 |
| | | | 279622 | 279622 | 30 |
| | | | 279623 | 279623 | 30 |
| | | | 279624 | 279624 | 30 |
| | | | 279625 | 279625 | 30 |
| | | | 279626 | 279626 | 30 |
| | 13 | Crank shaft | 279580 | 279580 | 20 |
| | 14 | Fly wheel | 306991 | 306991 | 15 |
| | 15 | Vibration damper | 131296 | 131296 | 15 |
| | 16 | Cam shaft | 238401 | 228830 | 50 |
| | 17 | Set of cam shaft bearing | 157274 | 157274 | 60 |
| | 18 | Set of cam shaft bearing | 131115 | 131115 | 60 |
| | 19 | Set of cam shaft bearing | 131455 | 131455 | 60 |
| | 20 | Set of push rod | 271676 | 271676 | 30 |
| | 21 | Oil pump | 301473 | 301473 | 50 |
| | 22 | Ball bearing for oil pump | 152897 | 152897 | 50 |
| | 23 | Lubrication oil cleaner | 300162 | 300162 | 25 |
| | 24 | Oil cooler | 266794 | 266794 | 50 |
| | 25 | Set of bearing shall | 274610 | 274610 | 50 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | No. | Description | lorry part. No (DS) | ciesspit part No. (SN) | Qty |
|----|-----|------------------------------------|---------------------------|------------------------------|-----|
| | | | 274611 | 274611 | 50 |
| | | | 274612 | 274612 | 50 |
| | | | 274613 | 274613 | 50 |
| | | | 274614 | 274614 | 50 |
| | | | 274615 | 274615 | 50 |
| | | | 274616 | 274616 | 50 |
| | 26 | Radiator | 310080 | 310080 | 20 |
| | 27 | Rep-kit for injection pump | 550137 | 550137 | 60 |
| | 28 | Rep-kit for centrifugal gover | 559138 | 559138 | 60 |
| | 29 | Rep-kit for feed pump | 550140 | 550140 | 60 |
| | 30 | Rep-kit for primiry filter | 550300 | 550300 | 30 |
| | 31 | Rep-kit for clutch servo | 550432 | 550432 | 50 |
| | 32 | Water pump | 292761 | 292761 | 70 |
| | 33 | Ball bearing inner | 228836 | 228836 | 50 |
| | 34 | Ball bearing outer | 258267 | 258267 | 20 |
| | 35 | Fan | 232169 | 232169 | 50 |
| | 36 | Feed pump | 211005 | 192847 | 100 |
| | 37 | Set of nozzle | 232149 | 232144 | 30 |
| | 38 | Fuel cleaner | 303797 | 303797 | 60 |
| | 39 | Disc | 304398 | 304398 | 60 |
| | 40 | Lining set | 550432 | 550432 | 15 |
| | 41 | Gear pump | 194838 | 194838 | 50 |
| | 42 | Ball bearing clutch | 550421 | 550421 | 50 |
| | 43 | Clutch servo | 298953 | 298953 | 50 |
| | 44 | Set rep-kit for hydraulic cylinder | 292962 | 292962 | 20 |
| | 45 | Set rep-kit for clutch | 550421 | 550421 | 150 |
| | 46 | Gear box | 314748 | 314748 | 50 |
| | 47 | Three way valve | 317340 | 317340 | 150 |
| | 48 | Magnetic vavle | 303470 | 303470 | 10 |
| | 49 | Cross joint | 294380 | 294380 | 50 |
| | 50 | Central gear | 304243 | 304207 | 50 |
| | 51 | Central gear | 322576 | 317387 | 50 |
| | 52 | Pump with motor | 309776 | 309776 | 50 |
| | 53 | Spring brake champer | 295387 | 295390 | 50 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| No | No. | Description | lorry part. No (DS) | ciesspit part No. (SN) | Qty |
|----|-----|----------------------------------|---------------------|------------------------|-----|
| | 54 | Stator motor | 163394 | 163394 | 50 |
| | 55 | Rotor | 305154 | 305154 | 50 |
| | 56 | Ball bearing | 305156 | 305156 | 100 |
| | 57 | Stator | 308508 | 308508 | 50 |
| | 58 | Alternator | 305152 | 305152 | 50 |
| | 59 | Diod | 305158 | 305158 | 50 |
| | 60 | Main shaft | 317960 | 317960 | 30 |
| | 61 | Driving shaft | 297903 | 297903 | 15 |
| | 62 | Brush plate | 308507 | 308507 | 150 |
| | 63 | Insulation | 193511 | 193511 | 150 |
| | 64 | Stator relay | 192976 | 192976 | 150 |
| | 65 | Stub axles | 131430 | 131430 | 20 |
| | 66 | Oil pressure valve | 259100 | 259100 | 20 |
| | 67 | Power steering gear | 319975 | 319975 | 20 |
| | 68 | Oil pressure manimeter | 275750 | 275750 | 20 |
| | 69 | Injection pump | 279077 | 302133 | 50 |
| | 70 | Alternator | 279698 | 279698 | 50 |
| | 71 | Ball bearing | 168248 | 168248 | 50 |
| | 72 | Hub damper | 277611 | 305742 | 15 |
| | 73 | Ball bearing clutch | 14831 | 14831 | 60 |
| | 74 | Inter prop shaft | 317505 | 317505 | 15 |
| | 75 | Set of complete parts of chassis | | | 50 |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

IX VEHICLES

(Excluding all items that may be notifiable under resolution 1051)

Garbage Containers Hook Loader trucks & carbage container

| No | Description |
|-----------|--|
| 1546 | Garbage Containers Hook Loader trucks |
| 1547 | Garbage containers |

Cesspool empiter tanker

| No | Description |
|-----------|-------------------------|
| 1548 | Cesspool empiter tanker |

| CESSPOOL EMPTIER | |
|-------------------------|---|
| 1549 | CHASSIS CAB : 4 X 2 ENGINE: 6 CYLINDER, 4 STROKE. TURBOCHARGER POWER: NOT LESS THAN 240 HP. CLUTCH : SINGLE PLATE GEAR BOX : 8 SPEED G. V. W : NOT LESS THAN 19 TON PAYLOAD : NOT LESS THAN 12 TON TIER SIZE : 1200 X 20 DISK TYPE TANK CAPACITY : NOT LESS THAN 10000 L FLOW RATE :600 m³ /h |

| HIGH PRESSURE CESSPOOL EMPTIER |
|---------------------------------------|
|---------------------------------------|

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| | |
|------|---|
| 1550 | <p>CHASSIS CAB: 8X4 ENGINE: DIESEL , WATER COOLED , 6 CYLINDER IN LINE ENGINE TURBOCHARGED AND ENTER COOLED , DIRECT FUEL INJUNCTION TROPICAL FAN, FUEL FILTER , SINGLE BOX TYPE POWER: NOT LESS THAN 288 HP. CLUTCH: SINGLE PLATE DRY CLUTCH F&S , TYPE MFZ,, 430 HYDRAULICALLY OPERATED , AIR ASSISTED . ASBESTOS – FREE LININGS GEAR BOX : ZF 18S 151 SYNCHROMESH GEAR BOX 16 POWER WARD SPEEDS , 2 REVERSE , STICK SHIFT. MAX VACUUM : 800 MBAR MAX AIR VOLUME : UNLOADED RPM 1500 RPM 5900 CBM/TIM 1795 RPM 7070 CBM/TIM 2025 RPM 7970 CBM/TIM 2200 RPM 8660 CBM/TIM MEASUREMENTS (APPROX.) WIDTH 2460 MM LENGTH 8270 MM HEIGHT 2820 MM TIRE SIZE : 1200 X 20 WHEEL : 8.5X20 WEIGHT : NOT LESS THAN 13.4 TONS</p> |
|------|---|

| MINI GARBAGE COLLECTOR | |
|-------------------------------|--|
| 1551 | <p>CHASSIS CAB 4X2 ENGINE : 4 CYLINDER, WATER COOLED, DIRECT ENG. DIESEL ENG. POWER : 20-100 H.P CLUTCH : SINGLE PLATE GEAR BOX : 6 SPEED CAPACITY : 8 M3 COMPACT RATIO : 6:1</p> |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

X. TRAFFIC SAFETY MATERIALS

(Excluding all items that may be notifiable under resolution 1051)

| No | Description |
|------|--|
| 1552 | road studs (reflective pavement marker) size 10 x 10 x1.75 cm , both faces are reflective in the same color : A. white color . B. yellow color . |
| 1553 | road studs (reflective pavement marker) size 10 x 10 x1.75 cm , one face in reflective for one directional viewing : A. white color . B. yellow color . |
| 1554 | road studs (reflective pavement marker) size 22 x 10 x4.5 cm , both faces are reflective in the same color : A. white color . B. yellow color . |
| 1555 | road studs (reflective pavement marker) size 22 x 10 x4.5 cm ,one face reflective : A. white color . B. yellow color . |
| 1556 | conventional epoxy adhesive (one or tow - component) required to sticks and firmly to pavement of the above mentioned |
| 1557 | Cones made of reflective material in two color (red and white) used for safety in road operation : A. cones with height of 70 cm . B. cones with height of 70 cm . |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

XI. MISCELLANEOUS

(Excluding all items that may be notifiable under resolution 1051)

XI-A Steel Reinforcement

a) Specification

All bar steel be high -yield - stress deformed bars complying with BS 4449.

Minimum tensile properties per specified BS.

Yield or characteristic strength f_y is 460 N/mm² for bars 4P to and including 16mm in diameter, and 425 N/mm² for larger bars.

The supplier shall provide the establishment with certificates from the manufactures confirming that all steel supplied is in accordance with above standard .

The supplier have to test aspecimens of the bars {one specimen for each 10000 kg of steel bars} and to be chosen by the establishment in baghdad .The test shall be done by the {National center for construction laboratories } and to be at the supplies expeuse. The test to be according to the above standard .The steel shall be free from oil , paint , mill scale, dirt and loose rust.

| No | Bar Size in millimeter |
|-----------|-------------------------------|
| 1558 | 6 |
| 1559 | 8 |
| 1560 | 10 |
| 1561 | 12 |
| 1562 | 16 |
| 1563 | 18 |
| 1564 | 20 |
| 1565 | 22 |
| 1566 | 25 |
| 1567 | Tie wire |

XI-C: Office Equipment

| | |
|------|---------------------------|
| 1568 | MODERN PHOTO COPY MACHINE |
|------|---------------------------|

| | |
|------|--------------------|
| 1569 | MODERN TYPEWRITERS |
|------|--------------------|

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

WATER-SANITATION:

List of additional items to be notified by the Secretariat without circulation to the COMMITTEE (as of 8 February 2001)*

| DESCRIPTION | |
|--------------------|---|
| 1 | SF6 Circuit Breaker , Rating Voltage 7.2 Kv , Breaking Capacity 12 Ka , Making Capacity 30 Ka , Rated Current 630 A Dimensions : 720 X 710 X 1760 (Mm), Electrically Matching Is Necessary With Existing |
| 2 | SF6 Contactor , Rated Voltage 7.2 Kv , Rated Current 300 A , Effec. 6.6 Ka , Cr 16.5 Ka , Main Relay 240 V (A.C) , Auxiliary Relay 240 V (A.C) , Auxiliary Contacts 16 Nos. Dimensions : S60 X 400 X 560 (Mm) |
| 3 | 11 Kv Switch Board, 630 A , 11Kv Incoming 1,2 |
| 4 | 11 Kv Switch Board, 630 A , 11Kv Emergency 1,2 |
| 5 | 11 Kv Switch Board, 630 A , 11Kv Out Going To Transformers 1, 2 , 3 |
| 6 | 11 Kv Switch Board, 630 A , 11Kv Out Going To Projects 1,2 |
| 7 | Block Contactor Siemens Type : 3TB40 - 17 - OAMA |
| 8 | Block Contactor Siemens Type : 3TB42 - 17 - OAMA |
| 9 | Block Contactor Siemens Type : 3TB43 - 17 - OAMA |
| 10 | Block Contactor Siemens Type : 3TB44 - 17 - OAMA |
| 11 | Block Contactor Siemens Type : 3TB48 - 17 - OAMA |
| 12 | Block Contactor Siemens Type : 3TB50 - 17 - OAMA |
| 13 | Block Contactor Siemens Type : 3TB54 - 17 - OAMA |
| 14 | Block Contactor Siemens Type : 3TB56 - 17 - OAMA |
| 15 | Coupling Type Flendet Type N - EVPEX 180 A |
| 16 | Coupling Type Flendet Type N - EVPEX 225 A |
| 17 | Coupling Type Flendet Type N - EVPEX 200 A |
| 18 | Coupling Type Flendet Type N - EVPEX Suitable For : |
| 19 | Coupling Type Flendet Type N - EVPEX Suitable For : 75 KW Motor |
| 20 | Coupling Type Flendet Type N - EVPEX Suitable For : 45 KW Motor |
| 21 | Coupling Type Flendet Type N - EVPEX Suitable For : 90 KW Motor |
| 22 | Coupling Type Flendet Type N - EVPEX Suitable For : 200 KW Motor |
| 23 | Coupling Type Flendet Type N - EVPEX Suitable For : 250 KW Motor |
| 24 | Coupling Type Flendet Type N - EVPEX Suitable For : 480 KW Motor |
| 25 | Contacteur : Class 8501 , Type = Ph22E , Ith2 = 20 A Vi 660 V 3Ph , Vde 0660 Ac 11 , Iec 337 , Bs 4794 . |
| 26 | Contacteur : Asea , 355 A , 380 V |
| 27 | Contacteur : Class 8502 , Type = Pd2.10E , Ith2 = 20 A (Ac1), Vi 660 V 3Ph , Vde 0660 Ac 11 , Iec 158-1, Bs 5424 , Ac3 : 220V 2.2 Kw , 380 V-660V 4 Kw |
| 28 | Contacteur : Class 9999 , Type = P40 , 12 A , Vi 660 V 3Ph , Vde 0660 Ac 11 , Iec 337 , |
| 29 | Contacteur : Asea , Eg 80-1 , Iec 158-1 , Ac3 380V , I Th 110A |
| 30 | Contacteur : Asea , Eg 630-2 , Iec 158-1 , Ac3 380V , I Th 630A |
| 31 | Contacteur Mc80 , Type : Iec 158-1 , 660V 1Ph 130A |
| 32 | Contacteur M125 , Type : Iec 158-1 , 600V 1Ph 260A |
| 33 | Contacteur Mc45 , Type : Iec 158-1 , 600V 1Ph 80A |
| 34 | Contacteur Eg40-1 , Type : Iec 158-1 , 600V 1Ph 45A 60 Hz |
| 35 | Contacteur Eg315-1 , Type : Iec 315-1 , 600V 1Ph 355A 60 Hz |
| 36 | Surface Turbidity Meter For Clear Water And Raw Water (Complete) , Max Range 10000 N.T.U , Lower Range 0.1 N.T. |
| 37 | Surface Turbidity Meter For Clear Water And Raw Water (Complete) , Model 1720A Max Range 30 N.T.U , Lower Range 0.1 N.T.U |
| 38 | Report Paper One Copy (11"X14,5") (60 Gm/M2) |
| 39 | Gear Package (19Da31-181) |
| 40 | Oil Heater Thermostat (Hh16Na-019) |
| 41 | Thrust Bearing & Shaft (19Dh33 - 161) |
| 42 | Mechanical Seal For Guide Vane (19C35 - 014) |

* If an application contains any components or additional items notifiable under SCR 1051, such application MUST be circulated to the Committee.

| | |
|----|---|
| 43 | Filter Oil (Kh - 0992 - 002) |
| 44 | Carrier Oil No: Pp49-5 Or Shell Oil 68 Tellus In Small Containers |
| 45 | 3Ph Contactor Continuous Current (I+H2) = 125 A , Coil Voltage = 220 V , Aut Contacts = 2 No , 2 Nc . |
| 46 | Over Load Relay With Manual Reset External And Internal Reset Range = (60-100A) . |
| 47 | Molded Case Circuit Breakers With Auxiliary Contacts And Under Voltage Trip For : |
| 48 | 100 A |
| 49 | 400 A |
| 50 | Automatic Correction Power Factor System Up To 0.94 For 50 Kw Load . |
| 51 | Manual Change Over Switches 400 A . |
| | Ductile pipes |
| 52 | 1400Mm Diameter Pipe With Rubber Joint. |
| 53 | 1200Mm Diameter Pipe With Rubber Joint. |
| 54 | Flange Socket 1600Mm |
| 55 | Flange Socket 1400Mm |
| 56 | Flange Socket 1200Mm |
| 57 | Flange Spigot 1600Mm. |
| 58 | Flange Spigot 1400Mm. |
| 59 | Flange Spigot 1200Mm. |
| 60 | All Flange Tee 1600*1600Mm |
| 61 | All Flange Tee 1600*400Mm. |
| 62 | Double Socket Tee With Flange Branch 1600*400 |
| 63 | Double Flange Reducer 1600*1400Mm. |
| 64 | Double Flange Reducer 400*200Mm. |
| | Cast iron fittings |
| 65 | Isolating Buttfly Valve 200Mm. |
| 66 | Double Orifice Air Valve 200Mm. |
| 67 | Collar 1600Mm. |
| 68 | Collar 1400Mm. |
| 69 | Collar 1200Mm. |
| 70 | Collar 1000Mm. |
| 71 | Collar 900Mm. |
| 72 | Collar 800Mm. |
| 73 | Collar 700Mm. |
| 74 | Collar 600Mm. |
| 75 | Double Socket Bend 90,45,22.5,111/4 Deg, 1600Mm. |
| 76 | Double Socket Bend 90,45,22.5,111/4 Deg, 1400Mm. |
| 77 | Double Socket Bend 90,45,22.5,111/4 Deg, 1200Mm. |
| 78 | Double Socket Bend 90,45,22.5,111/4 Deg, 1000Mm. |
| 79 | Double Socket Bend 90,45,22.5,111/4 Deg, 900 Mm. |
| 80 | Double Socket Bend 90,45,22.5,111/4 Deg, 800Mm. |
| 81 | Double Socket Bend 90,45,22.5,111/4 Deg, 700Mm. |
| 82 | Double Socket Bend 90,45,22.5,111/4 Deg, 600Mm. |
| 83 | Double Flange Pipe 1M Length,1600Mm. |
| 84 | Double Flange Pipe 1M Length ,1400Mm. |
| 85 | Double Flange Pipe 1M Length, 1200Mm. |
| 86 | Double Flange Pipe 1M Length, 1000Mm. |
| 87 | Double Flange Pipe 1M Length ,900Mm, |
| 88 | Double Flange Pipe 1M Length ,800Mm. |
| 89 | Double Flange Pipe 1M Length ,700Mm. |
| 90 | Double Flange Pipe 1M Length ,600Mm. |
| 91 | Double Flange Pipe With Peddle 1 M Length ,1600Mm. |
| 92 | Double Flange Pipe With Peddle 1 M Length ,1400Mm. |
| 93 | Double Flange Pipe With Peddle 1 M Length ,1200Mm. |
| 94 | Double Flange Pipe With Peddle 1 M Length ,1000Mm. |

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| 95 | Double Flange Pipe With Peddle 1 M Length ,900Mm. |
| 96 | Double Flange Pipe With Peddle 1 M Length ,800Mm. |
| 97 | Double Flange Pipe With Peddle 1 M Length, 700Mm. |
| 98 | Double Flange Pipe With Peddle 1 M Length ,600Mm. |
| 99 | Dismantling Joint, 1600Mm. |
| 100 | Dismantling Joint, 1400Mm. |
| 101 | Dismantling Joint, 1200Mm. |
| 102 | Dismantling Joint, 1000Mm. |
| 103 | Dismantling Joint, 900Mm. |
| 104 | Dismantling Joint, 800Mm. |
| 105 | Dismantling Joint, 700Mm. |
| 106 | Dismantling Joint, 600Mm. |
| 107 | Socket Flange &Flange Spigot 1000Mm. |
| 108 | Socket Flange &Flange Spigot 900Mm. |
| 109 | Socket Flange &Flange Spigot 800Mm. |
| 110 | Socket Flange &Flange Spigot 700Mm. |
| 111 | Socket Flange &Flange Spigot 600Mm. |
| 112 | Flange Socket 250Mm |
| 113 | Flange Socket 300Mm |
| 114 | Flange Socket 400Mm |
| 115 | Flange Spigote 250Mm. |
| 116 | Flange Spigote 300Mm. |
| 117 | Flange Spigote 400Mm. |
| 118 | Double Flange Bend 90,45,22.5,111/4 Deg ,400Mm(Ea) |
| 119 | Double Flange Bend 90,45,22.5,111/4 Deg, 300Mm. (Ea) |
| 120 | Double Flange Bend 90,45,22.5,111/4 Deg, 250Mm. (Ea) |
| 121 | Double Flange Bend 90,45,22.5,111/4 Deg, 200Mm. (Ea) |
| 122 | Double Flange Bend 90,45,22.5,111/4 Deg, 150 Mm. (Ea) |
| 123 | Double Flange Bend 90,45,22.5,111/4 Deg, 100Mm. (Ea) |
| 124 | Double Socket Bend 90 Deg, 400Mm. |
| 125 | Double Socket Bend 90 Deg, 300Mm |
| 126 | Double Socket Bend 90 Deg, 250Mm |
| 127 | Double Socket Bend 90 Deg, 200Mm |
| 128 | Double Socket Bend 90 Deg, 150Mm |
| 129 | Double Socket Bend 90 Deg, 100Mm |
| 130 | Socket Flange Tee off 100 mm, A-100MM |
| 131 | Socket Flange Tee off 100 mm, B-150MM. |
| 132 | Socket Flange Tee off 100 mm, C-200MM. |
| 133 | Socket Flange Tee off 100 mm, D-250MM. |
| 134 | Socket Flange Tee off 100 mm, E-300MM. |
| 135 | Socket Flange &Flange Spigot 100Mm.(For Each) |
| 136 | Socket Flange &Flange Spigot 150Mm. (For Each) |
| 137 | Socket Flange &Flange Spigot 200Mm. (For Each) |
| 138 | Socket Flange &Flange Spigot 250Mm. (For Each) |
| 139 | Socket Flange &Flange Spigot 300Mm. (For Each) |
| 140 | ½Inch X 20 Mm Standard Ferrules With A Gun Metal Stem , An Inner Plug , Push Fit And Top Cap(Complete Set) |
| 141 | ¾Inch X 25 Mm Standard Ferrules With A Gun Metal Stem , An Inner Plug , Push Fit And Top Cap(Complete Set) |
| 142 | One Inch X 32 Mm Standard Ferrules With A Gun Metal Stem , An Inner Plug , Push Fit And Top Cap(Complete Set) |
| 143 | L.V Cables Are For Submergible Pumps (Rubber Type), 11Kv- 3 X 150Mm2, (P.V.C water proof low voltage cables for sumersible pumps) |
| 144 | L.V Cables Are For Submergible Pumps (Rubber Type), 3.3Kv-3X150 Mm2, (P.V.C water proof low voltage cables for sumersible pumps) |

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| 145 | L.V Cables Are For Submergible Pumps (Rubber Type), 1000V-4X50 Mm2(Flax.), (P.V.C water proof low voltage cables for sumersible pumps) |
| 146 | L.V Cables Are For Submergible Pumps (Rubber Type), L.V-4X25 Mm2(Flax.), (P.V.C water proof low voltage cables for sumersible pumps) |
| 147 | L.V Cables Are For Submergible Pumps (Rubber Type), L.V-4X16 Mm2(Flax.), (P.V.C water proof low voltage cables for sumersible pumps) |
| 148 | L.V Cables Are For Submergible Pumps (Rubber Type), L.V-4X10 Mm2(Flax.), (P.V.C water proof low voltage cables for sumersible pumps) |
| 149 | L.V Cables Are For Submergible Pumps (Rubber Type), L.V-4X6 Mm2(Flax.), (P.V.C water proof low voltage cables for sumersible pumps) |
| To connect and repair different cables | |
| 150 | End Terminals Made From Copper Coated By Zinc, 2.5 Mm2 |
| 151 | End Terminals Made From Copper Coated By Zinc, 6 Mm2 |
| 152 | End Terminals Made From Copper Coated By Zinc, 4 Mm2 |
| 153 | End Terminals Made From Copper Coated By Zinc, 10 Mm2 |
| 154 | End Terminals Made From Copper Coated By Zinc, 16 Mm2 |
| 155 | End Terminals Made From Copper Coated By Zinc, 25 Mm2 |
| 156 | End Terminals Made From Copper Coated By Zinc, 35 Mm2 |
| 157 | End Terminals Made From Copper Coated By Zinc, 50 Mm2 |
| 158 | End Terminals Made From Copper Coated By Zinc, 75 Mm2 |
| 159 | End Terminals Made From Copper Coated By Zinc, 125 Mm2 |
| 160 | End Terminals Made From Copper Coated By Zinc, 180 Mm2 |
| 161 | End Terminals Made From Copper Coated By Zinc, 240 Mm2 |
| 162 | Middle Terminals Made From Copper Coated By Zinc, 2.5 Mm2 |
| 163 | Middle Terminals Made From Copper Coated By Zinc, 6 Mm2 |
| 164 | Middle Terminals Made From Copper Coated By Zinc, 4 Mm2 |
| 165 | Middle Terminals Made From Copper Coated By Zinc, 10 Mm2 |
| 166 | Middle Terminals Made From Copper Coated By Zinc, 16 Mm2 |
| 167 | Middle Terminals Made From Copper Coated By Zinc, 25 Mm2 |
| 168 | Middle Terminals Made From Copper Coated By Zinc, 35 Mm2 |
| 169 | Middle Terminals Made From Copper Coated By Zinc, 50 Mm2 |
| 170 | Middle Terminals Made From Copper Coated By Zinc, 75 Mm2 |
| 171 | Middle Terminals Made From Copper Coated By Zinc, 125 Mm2 |
| 172 | Middle Terminals Made From Copper Coated By Zinc, 180 Mm2 |
| 173 | Middle Terminals Made From Copper Coated By Zinc, 240 Mm2 |
| 174 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 25A-3P-400V |
| 175 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 2A-2P-400V |
| 176 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 6A-2P-400V |
| 177 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 32A-3P-400V |
| 178 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 50A-3P-400V |
| 179 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 100A-3P-400V |
| 180 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 150A-3P-400V |
| 181 | Circuit Breakers, Type Mcb (Manager C.B), It Should Be Screw Type And The Height Of Screw At Least 3 Cm From The Base, 0.5A-2P-400V |
| 182 | Circuit Breakers, Type Mccb. All Items Have Thermal And Magnetic Setting. All Items Poles Have Height Of 6 Cm From Base, 100A-3P |
| 183 | Circuit Breakers, Type Mccb. All Items Have Thermal And Magnetic Setting. All Items Poles Have Height Of 6 Cm From Base, 125A-3P |

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| 184 | Circuit Breakers, Type Mccb. All Items Have Thermal And Magnetic Setting. All Items Poles Have Height Of 6 Cm From Base, 200A-3P |
| 185 | Circuit Breakers, Type Mccb. All Items Have Thermal And Magnetic Setting. All Items Poles Have Height Of 6 Cm From Base, 250A-3P |
| 186 | Circuit Breakers, Type Mccb. All Items Have Thermal And Magnetic Setting. All Items Poles Have Height Of 6 Cm From Base, 400A-3P |
| 187 | Low Voltage 110 (V) (D.C) Motories Circute Breaker. (Calor Emag).)3Poles). Type: 7Aa5-3153. Ie: 3150A. Ue: 500V. Vde: 0660. Type Of Release: R:M5 ,A:3153. T: Thermal-Release:0.6 -1*Ith2. M:Magnetic- Release : 4- 12I Th2. Iec: 157-1. U: 1000V . (Tpm) Rele |
| 188 | Manual Starters With 1 N.O. And N.C. Contact 6A (Control), 1-5A(Th)400V-3P |
| 189 | Manual Starters With 1 N.O. And N.C. Contact 6A (Control), 5-10A(Th) 400V-3P |
| 190 | Manual Starters With 1 N.O. And N.C. Contact 6A (Control), 30-50A(Th) 400V-3P |
| 191 | Manual Starters With 1 N.O. And N.C. Contact 6A (Control), 50-80A(Th) 400V-3P |
| 192 | Manual Starters With 1 N.O. And N.C. Contact 6A (Control), 80-100A(Th) 400V-3P |
| 193 | Bottle Fuse 2A-400V (H.R.C) |
| 194 | Bottlefuse 6A-400V(H.R.C) |
| 195 | Cylinder Fuse 2A-400V(H.R.C) |
| 196 | Cylinder Fuse 6A-400V(H.R.C) |
| 197 | Cylinder Fuse 32A-400V(H.R.C) |
| 198 | Cylinder Fuse 50A-400V(H.R.C) |
| 199 | Bottle Fuse 32A-400V (H.R.C) |
| 200 | Bottle Fuse 50A-400V (H.R.C) |
| 201 | Knife Fuse 32A-400V(H.R.C) |
| 202 | Knife Fuse50A-400V(H.R.C) |
| 203 | Knife Fuse 100A-400V(H.R.C) |
| 204 | Knife Fuse 125A-400V(H.R.C) |
| 205 | Knife Fuse 250A-400V(H.R.C) |
| 206 | High Voltage Fuse 40A-11 Kv |
| 207 | High Voltage Fuse 60A-11Kv |
| 208 | High Voltage Fuse 80A-11Kv |
| 209 | High Voltage Fuse 100A-11Kv |
| 210 | High Voltage Fuse 160A-11Kv |
| 211 | High Voltage Fuse 630A-11Kv |
| 212 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith 20A |
| 213 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith50A |
| 214 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith100A |
| 215 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith250A |
| 216 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith355A |
| 217 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith400A |
| 218 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith630A |
| 219 | Contactors Have A Coil 220V A.C, Type Cuttler- Hammer Or Equivalent, Type Ith180A |
| 220 | Isolator Fuse Type Cuttler – Hammer Or Equivalent With Fuses Type 1108K 2300 |
| 221 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith 20A |
| 222 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith45A |
| 223 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith55A |
| 224 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith75A |
| 225 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith100A |
| 226 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith125A |
| 227 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith250A |
| 228 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith355A |
| 229 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith400A |
| 230 | Contactors Have A Coil 110 V DC Type ABB Or Equivalent, 3B (Kar), Type Ith630A |
| 231 | Electronic Overload Relays, Motor Protection Type Mn S.E- Rated Current 5A. P.B Eng. Co. Ltd Craw Ley. 3P 50Hz |
| 232 | Electronic Overload Relays, Electronic Over Load Ith 7630 France Iee 48V |

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| 233 | Electronic Overload Relays, Electronic Over Load Ttg 7123 France lee 48V |
| 234 | Electronic Overload Relays, 0.8-1.5A(1 N.O.-1 N.C Screw Type Electronic Epoxy Coated |
| 235 | Electronic Overload Relays, 1.5-2.5A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 236 | Electronic Overload Relays, 2.5-4A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 237 | Electronic Overload Relays, 4-8A (1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 238 | Electronic Overload Relays, 8-13A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 239 | Electronic Overload Relays, 13--18A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 240 | Electronic Overload Relays, 18-25A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 241 | Electronic Overload Relays, 25-32A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 242 | Electronic Overload Relays, 32-50A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 243 | Electronic Overload Relays, 50-80A(1 N.O-1 N.C Screw Type Electronic Epoxy Coated |
| 244 | Electronic Overload Relays, 80-125A(1 N.O-1 N.C Sc Type Electronic Epoxy Coated |
| 245 | Electronic Overload Relays, 125- 160A(1.N.C Screw Type Electronic C.T Epoxycoated |
| 246 | Electronic Overload Relays, 160-200A(1.N.O, I.N.C Screw Type Electronic C.T Epoxy |
| 247 | Electronic Overload Relays, 200-320A(1.N.C Screw Type Electronic C.T Epoxy Coated |
| 248 | Electronic Overload Relays, 320-450A(1.N.C Screw Type Electronic C.T Epoxy Coated |
| 249 | 400W Mercury Bulb Screw Type 220V 50Hz Chock |
| 250 | 400W Mercury Fitting Indoor Type With Chock |
| 251 | 250W Mercury Bulb With Fitting (Weather Proof) Chock 200V 50Hz |
| 252 | 400W Mercury Fitting Out - Door (Weather Proof) Chock . |
| 253 | Emergency Rechargeable Light 220V, 50Hz, 20W |
| 254 | 100W Fitting (Water Proof) 220V 50Hz With Bulb |
| 255 | Portable Torch Rechargeable 5W With Spare Bulb |
| 256 | Voltage Control Starting, Type 22Kw, 400V,50Hz |
| 257 | Voltage Control Starting, Type 11Kw, 400V, 50Hz |
| 258 | Voltage Control Starting, Type 15Kw, 400V,50Hz |
| 259 | Voltage Control Starting, Type 30Kw, 400V,50Hz(Kar) |
| 260 | Voltage Control Starting, Type 100Kw, 400V,50Hz(Kar) |
| 261 | Voltage Control Starting, Type 250Kw, 400V,50Hz(Kar) |

For repairing damaged cables

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| 262 | Shrinkable Joint, Type 400V, 4x150mm ² ,Ruber |
| 263 | Shrinkable Joint, Type 400V, 4x125mm ² ,Ruber |
| 264 | Shrinkable Joint, Type 400V, 4x95mm ² ,Ruber |
| 265 | Shrinkable Joint, Type 400V, 4x75mm ² ,Ruber |
| 266 | Shrinkable Joint, Type 400V, 4x50mm ² ,Ruber |
| 267 | Shrinkable Joint, Type 400V, 4x35mm ² ,Ruber |
| 268 | Shrinkable Joint, Type 400V, 4x25mm ² ,Ruber |
| 269 | Shrinkable Joint, Type 400V, 4x16mm ² ,Ruber |
| 270 | Shrinkable Joint, Type 400V, 4x10mm ² ,Ruber |
| 271 | Shrinkable Joint, Type 400V, 4x6 mm ² ,Ruber |
| 272 | Shrinkable Joint, Type 400V, 4x4mm ² ,Ruber |
| 273 | Ohmmeter O@ 100(±0.001W) |
| 274 | Inductance Meter (Motortester) |
| 275 | Clamp Meter , 0 to 400A, 11Kv, Digital |
| 276 | Clamp Meter , 0 to 600A, 3.3V Digital . |
| 277 | Clamp Meter , 0 to 600A, 400V Digital . |
| 278 | Clamp Meter , 0 to 600A, 400V Analogue . |
| 279 | A.V.O Meter Digital [= 0 to 20A(D-C-A-C) |
| 280 | A.V.O Meter Analogue I= 0 to 20A(D-C-A-C) |
| 281 | Voltage Tester (Probe) 0--- 1000 V. |

Meters for water projects

| | |
|-----|---------------------------------------|
| 282 | Hour - Meter , 220V, 50 Hz |
| 283 | Hertz Meter , 220V, 380 V, 0 to 100Hz |
| 284 | Power Factor Meter 380 V, 50 Hz |
| 285 | Hour- Meter-110V Dc. |

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| 286 | Drill - 220 V , 500 W , 3- Speed |
| 287 | Set Of Wrench Isolated 8 to 32mm2 |
| 288 | Set Of Alen - Key 0.5 to 18mm2 |
| 289 | Set Of Star Alen - Key 0.5 to 18mm2 |
| 290 | Vice (3-Sizes) |
| 291 | Set Of Screw Driver (Electrical) |
| 292 | Wire Cutter Up To 18 Mm2 (Set) |
| 293 | Induction Motor (AEG). Type: Am 315 Mm (Horizontal Type), Speed: 1480 R.P.M, Power : 132 Kw, Voltage: 380 V (Delta) (3 Poles), Freq: 50 H Z |
| 294 | Vertical Motor Coupling Mounted BBC. Power: 18.5 Kw, Speed: 1455 R.P.M, ^ 380V, 36A |
| 295 | Vertical Motor Coupling Mounted BBC. Type: Mjuli 180 L4, Power: 22 Kw, Speed: 1455 R.P.M 380 V 36 A^ 380V 36A |
| 296 | Induction Motor (AEG)(Germany). Type: Am 315 Mm 416 Flang Speeds). Speed: 1488/990 R.P.M (Tow Speeds). Power : 110/75Kw. Voltage: 380 V (Delta) (3 Poles). |
| 297 | Induction Motor (3Poles) (Leroy - Somer) (France). Type: Ls 6312, (Flange Type), Speed: 1480 R.P.M), Power : 0.37 Kw, Voltage : 380 V (Delta) (3Poles), Freq: 50 Hz. |
| 298 | Air Blowers : Air Blowers Hibon 70, Type Snh 70, With Motor Type : Meul G315 S4, Power : 110 Kw, Speed : 14.80 H.P.M 380 V, 210A |
| 299 | Air Blowers : Hebon 11, Type : Sivh 11, With Motor Type : Meul G200 L4, Power : 30Kw, Speed : 1460 R.P.M , 380 88A |
| 300 | Packing, Type 0.25 Inch, (Preventative maintainace for pumps) |
| 301 | Packing, Type 0.5 Inch, (Preventative maintainace for pumps) |
| 302 | Packing, Type 0.75 Inch, (Preventative maintainace for pumps) |
| 303 | Packing, Type 1.0 Inch, (Preventative maintainace for pumps) |
| | Gear box for aeration tanks for Sewage treatment plants |
| 304 | Gear Box, David Brown-England-Helicon Ser.4. Size:Mht-3, Order:H131 576, Rating:1.5 Kw, Output:46 Rpm, Ratio:31.48/1, With Motor (D.Ro). |
| 305 | Gear Box, David Brown-England-Helicon Ser.4. Size:Mht-2, Order:H113 162, Rating:1.5 Kw, Output:71.3 Rpm, Ratio:20.34/1, With Motor (D.Ro). |
| 306 | Gear Box, David Brown-England-Helicon Ser.4. Size:Mht-3, Order:H113 157 612, Rating:0.55 Kw, Output:16.5 Rpm, Ratio:58.17/1, With Motor (P.T.Ro). |
| 307 | Gear Box, Paul Durand,Nanterre-France. Machine Type:1254, Ser.No.F24964, With Motor (P.T.R1) |
| 308 | Gear Box, Paul Durand,Nanterre-France. Machine Type:250F, Ser.No.F24965, With Motor (P.T.R1) |
| 309 | Gear Box, Paul Durand,Nanterre-France. Machine Type:1254, Ser.No.F24964, With Motor (P.T.R1) |
| 310 | Gear Box, Paul Durand,Nanterre-France. Machine Type:250F, Ser.No.F24965, With Motor (P.T.R1) |
| 311 | Gear Box, Drive Unit;Manu:Sew. Type:Sa 120.R70.D80.N4, 0.75 Kw,0.16 Rpm, With Motor (P.T.R2) |
| 312 | Gear Box, David Brown-England-Helicon Ser.4. Size:Mht-2, Order:H113 162 612, Rating:0.35 Kw, Output:20.9 Rpm, Ratio:45.86/1, With Motor (F.T.Ro). |
| 313 | Gear Box, Drive Unit;Manu:Sew. Type:Sa 100.R70.D71.N4, 0.37 Kw,0.16 Rpm, With Motor (F.T.R2) |
| 314 | Gear Box, Brook Hansen-Hansen Flotax. Type:Fa 714A 9Lit., Vg 100? -10 C ?15 C, Ep Gear Oil: Vg 220 ;0?30C, With Motor &Grease Pump, (S.R1) |
| 315 | Gear Box, Bair & Koppel,.Type:Fvam., I :900:1, With Motor (S.R1) |
| 316 | Gear Box, With Coupling For Aeration Tanks. Type : Nc 36 An, No. C11 288, Power : 18.5 Kw, Speed : 1455/74/19.595 Rpm. |
| 317 | Gear Box For Aygt Archamedias Screw . Pump Citroen ,Redu Type : 2M26, Speed : 1230/40 Rpm, Out Put: 3500 G.P.M, Head: 4.6 Meter |

DESCRIPTION

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| Spare parts for toyota Pick ups |
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| 318 | TYPE: |
| | Pick up(Engin 3y) YN 68L- PRMD 5V Trans/axle G52, G282 |
| | Engine partial |
| | Short block |
| | Gasket kit over haul |
| | Gasket kit ,valve drive |
| | Cylinder head |
| | Gasket cylinder head |
| | Gasket head cover |
| | Gauge oil level |
| | Bearing main STD |
| | Bearing main 0.25 |
| | Bearing main 0.50 |
| | Bearing main 0.75 |
| | Bearing main 1.00 |
| | Bearing Con Rod STD |
| | Bearing Con Rod 0.25 |
| | Bearing Con Rod 0.50 |
| | Bearing Con Rod 0.75 |
| | Bearing Con Rod 1.00 |
| | Piston w/pin STD |
| | Piston w/pin 0.50 |
| | Piston w/pin 0.75 |
| | Piston w/pin 1.00 |
| | Ring set ,piston STD |
| | Ring set ,piston 0.50 |
| | Ring set ,piston 0.75 |
| | Ring set ,piston 1.00 |
| | Rod connecting |
| | crank shaft |
| | Pulley,crank |
| | Cear, crank timing |
| | Gear ,cam shift |
| | Bearing set ,cam shaft |
| | cam shaft |
| | Valve, intake set |
| | Valve , Exhaust,set |
| | Lifter ,valve ,set |
| | Chain, |
| | tensioner |
| | Damper, chain |
| | Car oil pump |
| | Pump water |
| | Cap radiator |
| | Spark plug, set NGK |
| | Coil , ignition ND |
| | Cord set |
| | Alternator, w/outside Regulator |
| | Regulator |
| | starter |
| | Clutch , starter |
| | carburator |
| | Pump , fuel |
| | Fuel filter |
| | Cover clutch |

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| Disc,clutch |
| Bearing clutch release |
| Master cylinder clutch |
| Cylin, kit, master cylinder |
| Cyl. release |
| Cylinder kit |
| Tranmission , 5f |
| Spider kit |
| Bearing (axle shaft) |
| Bearing , Frt, inner |
| Bearing Frt outer |
| End (Tie rod) RH |
| End (Tie rod) LH |
| Rod ,Tie, LH,RH |
| Rod ,steering relay |
| Master cylinder ,brake |
| Cyl. Kit(master cyl.) |
| Booster, brake |
| Ball joint upper |
| Ball joint Lwr RH |
| Ball joint Lwr LH |
| Absorber shock , Frt |
| Absorber shock Rear |
| Bush lwr arm |
| Bush upper arm |
| Carrier assy – differential |
| Radiator |
| TYPE: |
| Pick up Engin 22R RN 85L- PRM55 V,Trans /axle G52 , G292 |
| Engin partial |
| Short block |
| Gasket kit over haul |
| Gasket kit ,valve drive |
| Cylinder head |
| Gasket cylinder head |
| Gasket head cover |
| Gauge oil level |
| Bearing main STD |
| Bearing main 0.25 |
| Bearing main 0.50 |
| Bearing main 0.75 |
| Bearing main 1.00 |
| Bearing Con Rod STD |
| Bearing Con Rod 0.25 |
| Bearing Con Rod 0.50 |
| Bearing Con Rod 0.75 |
| Bearing Con Rod 1.00 |
| Piston w/pin STD |
| Piston w/pin 0.50 |
| Piston w/pin 0.75 |
| Piston w/pin 1.00 |
| Ring set ,piston STD |
| Ring set ,piston 0.50 |
| Ring set ,piston 0.75 |
| Ring set ,piston 1.00 |

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|-----|-----------------------------------|
| | Rod connecting |
| | Universal joint |
| | Radiator |
| | Crank shaft |
| | Gear , crank shaft timing |
| | Gear cam shaft |
| | Cam shaft |
| | Valve intake , set |
| | Valve Exhaust set |
| | Chain |
| | Tensioner , chain |
| | Dumper No.1 |
| | Dumper No.2 |
| | Car oil pump |
| | Cover, timing |
| | Water pump |
| | Distributor |
| | Alternator 12V , 45-50 A |
| | Regulator outside |
| | Starter assy, |
| | Carburator |
| | Pump assy , fuel |
| | Cover assy, clutch |
| | Disc assy clutch |
| | Bearing release, clutch |
| | Carrier assy, differential |
| | Transmission 5F |
| | Absorber, shock , Frt |
| | Absorber, shock , Rear |
| | Ball joint upper |
| | Ball joint Lwr RH |
| | Ball joint Lwr LH |
| | Booster brake |
| | Electrical fuses (Thiqar) |
| 319 | 10A |
| 320 | 15A |
| 321 | 20A |
| 322 | 25A |
| 323 | 50A |
| 324 | 15A |
| 325 | 20A |
| 326 | 25A |
| 327 | 45A |
| 328 | 50A |
| 329 | 100A |
| 330 | 250A |
| 331 | 5A |
| 332 | 10A |
| 333 | 15A |
| 334 | 20A |
| 335 | 25A |
| 336 | 50A |
| 337 | 15A |
| 338 | 20A |
| 339 | 25A |

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| | |
|-----|---|
| 340 | 45A |
| 341 | 50A |
| 342 | 100A |
| 343 | 250A |
| 344 | 400A |
| 345 | 500A |
| 346 | 500A |
| 347 | 400A |
| 348 | 300A |
| | Electrical fuses (Baghdad) |
| 349 | 100A |
| 350 | 160A |
| 351 | 200A |
| | Electrical fuses (Qadisyia) |
| 352 | 500A |
| 353 | 400A |
| 354 | 200A |
| | Cleaning Equipment |
| 355 | High tensile heavy duty steel kane rods fitted with two-way lock fast cadmium plated case hardened steel ferrules (2) m long for cleaning sewer pipes of up to (500) mm |
| 356 | Locking spanner (double ended) to be used for the above mentioned rods |
| 357 | Ratchel for hand rotation of the rods for (10) mm rod |
| 358 | Socket for steel kan (10) mm rod connection |
| 359 | Socket holder for (10) mm rods |
| 360 | Rod gripper for the rods |
| 361 | Rotating handle for the rods |
| 362 | Universal rollers for the steel kan rod |
| 363 | Wheeled tool carrier for the steel kan rods |
| 364 | Pointed spearhead for rods |
| 365 | Chisels for (10) mm rods |
| 366 | Single worm screws for cleaning blockage suitable for pipes of diameter(100-300) mm |
| 367 | Auger root cutter suitable for cleaning root blockage in pipes of : |
| 368 | (140) mm |
| 369 | (215) mm |
| 370 | Crown root cutter suitable for cleaning pipe blockage (dual purpose, i.e. silt breaker or fibrous root cutter):(140) mm and, |
| 371 | Heavy duty PVC gloves size (10.5"), incorporating PVC granules on the palm and fingers to give high resistance to abrasion. Heavy duty PVC gloves standard chrome leather for general purpose size 10.5" |
| 372 | Rubber / PVC (10-12) boots |
| | Electric Over Head Travelling Crane (Fixed) |

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