

EGYPTIAN SUGAR & INTEGRATED INDUSTRIES COMPANY

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12 Gawad Hosni St. down town Cairo Egypt/

Cairo, 22.2.2024

Subject: - Tender No. 5000/3552 (ONE ENVELOPE)
- Due date 20.3.2024 at 12 O'clock Cairo local time.
- SPARE PARTS FOR TORQUE CONVERTER CLARK.
- PRICE OF TENDER DOCUMENTS SET L.E. 347.-

Dear Sirs,

We shall be much obliged to receive on due date your best offer in form of Performa invoice for the supply of:

- SPARE PARTS FOR TORQUE CONVERTER CLARK.

Complete technical specification , as per attached list.

FIRST: The submitted offer should state the following terms & conditions:

1- Itemized unit and total price:

* FOB your port of shipment.

* C&F ALEX. SEAPORT

Including fumigation for wooden package if used according to international standard No. ISPM 15.

2- Country of origin.

3- Port of shipment (EXCEPT FOB REJIKA or CONSTANZA seaport Not accepted from our side).

4- The shortest delivery time will be considered.

5- The gross Nett / weight.

6- Offer to be valid for 90 days from tender's due date.

7- Your offer to be including the necessary fees required.

9- Complete technical specifications in (English Language) and the Relevant up – to - date catalogue to be submitted on the due date.

10- ESIIC will receive the offer on the due date of the tender , in case you have an agent must submit the following documents the original of it for see & a copy for study :-

- A) Form of 14 C from C.E.O.I.C
- B) Register on commercial Archives.
- C) Register on tax Archives.
- D) Register on Added tax Archives.

N.B.:

1) The 2 % Bid Bond:

-In form bank guarantee to be issued and confirmed in the same currency of your offer.

(in case the equivalent of Egyptian pound, to be increased by 20 %).

OR

- In cash at the same currency of your offer (in case the equivalent of Egyptian pound increased 10 %.

-The original 2 % unconditional Bid Bond bank guarantee to be confirmed from first class bank in Egypt and extended by you without an application from us. and presented in a separate envelope (C) but its copy (after deleting the amount) to be attached with your offer envelope (A).

2) All costs of preparing and submitting the offers including the costs of the bidders specialists and representative in and outside Egypt to be paid and borne the by bidder.

3) ESIIC has the right to partly award and/or cancel the tender.

4) The bidder has no right to refer to ESIIC for any bidding costs in case the tender awarded to another bidder or cancelled.

5) Advance payment not accepted from our side as we can't transfer any Money in advance according to the present regulation from central Bank of Egypt.

SECOND:- In case of order:

1) Your prices to be valid and firm without any change whatever until completing shipment and undertaking your contractual obligations.

2) 10% performance Bank guarantee , valid for 9 months of date of using or 12 months from date of last B/L.

3) All bank charges including LC confirmation fees (if required) and legalization fees outside Egypt to be on your account.

4) Payment to be: payable through L/C and against shipping documents as follows:-

4.1) 2 originals & 3 copies of signed invoices (which each indicates your full name , address , fax No. and E-mail) and to be including:-

*** Product name , and manufacturer name.**

*** Country of origin.**

*** Gross / net weight.**

4.2) 5 sets of weight & packing list.

4.3) Complete set of clean B/L plus 3 non negotiable copies made to the order of LC opener bank notify E.S.I.I.C. in case contract FOB and marked by freight pre-paid in case contract C&F of CIF Alex. seaport.

4.4) One original and 2 copies of certificate of origin , the original only to be certified from chamber of commerce and legalized from Egyptian consulate.

4.5) For goods of Europe ORIGIN):

- a) two copies of Eur 1 certificate besides the certified original to be issued, signed and stamped by the competent authority and sent by international courier to ESIIC directly.
- b) In case origin of the goods is a country not the country of shipment, i.e. shipment effected through a port of a country not the country of the origin,

< CERTIFICATE ON DIRECT CONSIGNMENT >

to be presented with shipping documents. such certificate to be issued , signed and stamped by the authorized competent.

- 4.6) Mill test work's certificate in triplicate indicating all chemical and mechanical analysis for material and issued by the manufacturer.
- 4.7) Supplier's written evidence confirming that copy of: B/L , commercial invoice , packing list and original of Eur 1 have been sent to the Buyer's by Courier within 5 days from date of B/L.
- 5) Short supply: In case of any short supplied items or found defective , your company will replace them at the site (E.S.I.I.C) CIF basis free of charge duly packed in suitable packing without any delay.
- 6) In case shipment inside containers the demurrage period not less than 21 days at port of discharge to avoid any penalties applied.
- 7) If we don't receive any objection from your side regarding the order and its conditions (technical and commercial clarifications) within 7 days max. from date of receiving it.

Company ESIIC will be considered as an acceptance of order and all its conditions from your side and complete all formalities accordingly.

8 - Penalty of delay:

In case the supplier fails to deliver in due date the deliveries in whole or part the E.S.I.I.C. shall be entitled to inflict a penalty of 1% (one percent) of the total price of the delayed deliveries for every week or part of week The total Penalty shall not exceed 5% (five percent) of the total price after 5 weeks of Delay the E.S.I.I.C. has the right to cancel the order & forfeit the LG.

- An additional points must be taken into your consideration as follows:-

- 1) Detailed packing list showing contents of each package in case shipped by container packing list should show No. of package and its serial in each container also contents of each package.
- 2) Catalogues for equipments complete unit and parts.
- 3) In case shipping inside LCL container.

- * Mentioned volum in B/L.
- * Mentioned name plate should be stick in Motors and engine & showing its power and origin.
- * The demurrage period not less than 30 days at port of discharges or bundles according to available vessel.

4) Amount of invoice spare parts should be itemized.

5) Two copies of beneficiary fax shipping notices sent to the applicant as follows:

5/1) First notice: Within 5 days before loading commencement showing name , age and flag of the vessel , number and volume of package.

5/2) Second notice: Within 2 working days from completing loading , indicating actual packages and weight loaded , departure date , expected date of arrival to discharge port also stating full name and address of the vessel agent at discharge port.

6) Additional documents must be presented with shipping documents:-

- 1- Two sets of original catalogues in English language for the shipped order indicate its specifications types and other.
- 2- Instructions for operation and maintenance.

N.B.

- 1) Customs duties , customs exemption will be taken into account when comparing the prices of the competitors.
- 2) The supplier is obliged to send the original shipping documents in conformity with the purchase order through his bank to ESIIC bank before the arrival of the vessel to Egyptian seaport as will as must provide ESIIC with relative courier No. 1 , in case of violation the supplier shall bear demurrage , storage fees and any other expenses resulting from this delay.

in case of arrival of the vessel before receiving the original shipping documents to ESIIC bank the shipping company must accept shipping guarantee for clearance the goods.

Awaiting to receive your best offer on due date...

SH/

Spare parts for torque converter & transmission CLARK

Factory : N.H

purchases requisite no.: 977

Spare parts for Transmission Model : 5421-111

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
1	30	Clutch support piston ring	233740
2	8	Clutch support & plug Assembly	237169
3	20	Piston ring	233948
4	10	Bearing Cap O-ring	25K-40408
5	5	Input flange	219276
6	10	Flange O-ring	25K-60116
7	5	Input shaft rear bearing	225840
8	5	Disc hub Assembly	217158
9	30	Inner disc	227495
10	5	Piston inner piston ring	217411
11	5	Snap ring	237170
12	6	Taper roller cone outer	237183
13	6	Taper roller cup outer	237184
14	40	Piston ring outer race	217155
15	5	Support Brg. cup - inner	237182
16	5	Support Brg. cone - inner	237181
17	20	Outer disc	232285
18	40	Inner disc	232779
19	5	Piston ring outer race	217136
20	20	Piston outer piston ring	217361
21	10	Disc hub snap ring	659764
22	20	Oil seal	234651
23	10	Shut off valve spool seal	226101
24	15	Output shaft oil seal	225763
25	1	Complete transmission Model: 5421-111	—

Factory : N.H

Purchases requisite no.: 976

Spare parts for Romania transmission Model: T8400 (SEV63)

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
26	6	Valve spring	227424
27	1	Control cover ass. Model: 8400 SEV180	—
28	15	Outer disc	232285
29	20	Inner disc	232779
30	5	Piston ring outer race	236971
31	12	Disc spring	217334
32	20	Clutch support Piston ring	233948
33	10	Oil seal	4225508
34	5	Oil seal	4225514
35	3	Piston	217138
36	5	Piston inner piston ring	217420
37	5	Taper bearing	1318334
38	5	Taper bearing	1318336
39	10	Disc hub snap ring	660516
40	2	Snap ring	236972
41	2	Support bearing cup	236981
42	2	Support bearing cone	236985
43	2	1st speed valve	227414
44	2	Valve spool	217677

Egyptian Sugar & Integrated
Industries
Engineering Sectors

Factory : N.H

purchases requisite no.: 978

Spare Parts for Clark torque converter Model 8612-29

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
45	5	Front bearing cup	675543
46	5	Rear bearing cup	710790
47	5	Rear bearing cup	710791
48	20	Bearing cap O-ring	25K-40420
49	20	Oil seal	225763
50	10	Front bearing cone	731283
51	2	Converter housing	231592
52	10	O-ring	25K-30012
53	20	Bearing cap O-ring	25K-40424
54	2	Housing rear cover	227064
55	20	Cover to housing O-ring	218779
56	2	Bearing cone	226027
57	2	Bearing cup	226026
58	5	Piston ring	223570
59	10	Piston ring	237338
60	10	Piston ring expander spring	237339
61	2	Stator support sleeve assembly	237395
62	5	Oil distributor sleeve	218725
63	10	Piston ring	209791
64	4	Reaction member	218781
65	2	Impeller hub O-ring	60K-40700
66	10	Oil Seal	235593
67	8	Converter charging pump (50 GPM)	228997
68	15	Oil baffle O-ring	218777
69	5	Impeller hub bearing	225778
70	5	Impeller	214689
71	15	O-ring	60K - 40608
72	10	Piston ring	236986
73	10	Piston ring expander spring	236987
74	25	Impeller cover ring	218776
75	10	Piston O-ring	232167
76	5	Piston ring	232166
77	15	Lock up inner disc	218715
78	6	Lock up Piston	218713
79	5	Turbine	222002
80	4	Turbine and lockup hub	218719
81	2	Impeller cover	218712
82	10	Bearing cap	218735
83	4	Oil baffle	218721
84	20	Bearing cap shim	218742
85	10	Pressure regulator valve	228499
86	10	ring gear ass.	8018874
87	8	Snap ring	663834
88	10	Snap ring	224036
89	1	Complete torque converter Model:CL 8612-29	—

Factory : N.H

purchases requisite no.: 979

Spare parts for Torque converter Model CL 8000

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
90	20	O-ring	218779
91	10	O-ring	60K - 40608
92	5	Fly wheel ring gear	4225590
93	15	O-ring	218776
94	3	Piston ring	232166
95	3	O-ring	232167

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96	10	Inner disc	218715
97	3	Turbine	222002
98	6	Lock up Piston	218713
99	3	Piston ring	216615
100	3	Impeller cover	218712
101	8	Bearing	710791 / 710790
102	10	O-ring	25K-40420
103	10	Oil seal	4225508
104	6	Bearing cap	218791
105	8	Bearing	731283 / 675543
106	2	Converter housing	231592
107	2	Housing rear cover	227064
108	2	Bearing	226027 / 226026
109	8	Piston ring	223570
110	8	Piston ring	4225586
111	10	Gear snap ring	224009
112	5	Stator support sleeve	237395
113	5	Oil distributor sleeve	218725
114	8	Oil seal	4225512
115	3	Bearing	225385
116	3	Reaction member	218781
117	8	Snap ring	224036
118	5	Bearing	225778
119	3	O-ring	60K-40700
120	3	Oil baffle	218721
121	5	Oil Seal	4225519
122	15	"O" ring	218777
123	3	Impeller hub	222018
124	3	Impeller	222017
125	6	Bearing	225781
126	8	Converter charging pump	228997
127	10	Bearing cap shim	218739
128	10	Bearing cap shim	218744

Factory : Kous

purchases requisite no.: 405

Spare parts for ROMANIAN locomotives

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
129	4	Impeller	222017
130	4	Impeller hub	222018
131	4	Turbine	222002
132	4	Turbine hub	218719
133	10	Oil distribution sleeve	218725
134	4	Reaction member	218781
135	4	Impeller cover	218712
136	4	Converter charging pump	4225614
137	10	Piston ring	232166
138	10	Piston ring	216615
139	10	Piston ring	211323
140	5	"O" ring	60K - 40608
141	4	Snap ring	218772
142	12	O-ring	218776
143	12	O-ring	218777
144	8	O-ring	60K-40700
145	2	Oil baffle	218721
146	10	Oil Seal	4225519
147	10	Piston ring	223570
148	2	Turbine shaft	218731
149	10	Piston ring	237338
150	2	Stator support sleeve	237394
151	10	O-ring	218779
152	4	Check valve breather ass.	4225214

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153	2	Flange	4225760
154	2	Output shaft	218733
155	10	Oil Seal	4225508
156	8	O-ring	25K-40420
157	8	O-ring	25K-60204
158	8	O-ring	25K-40424
159	8	O-ring	25K-30012
160	4	Pressure regulating valve	228499
161	8	O-ring	60K-40024
162	4	Regulating valve piston	228500
163	4	Piston ring	209791
164	10	Piston ring	4225586
165	8	Oil Seal	4225512
166	8	Piston ring Expander spring	233947
167	8	O-ring	25K-40420
168	8	O-ring	25K-60204
169	2	Impeller bearing	218717
170	3	Converter housing	231592
171	3	Housing rear cover	227064
172	12	Bearing cap shim	218742
173	12	Bearing cap shim	218743
174	2	Stator support sleeve ass.	237395
175	10	Inner disc	218715
176	5	Outer disc	218714
177	4	Bearing cap	218735
178	10	Snap ring	663834
179	10	Disc hub snap ring	660516
180	20	Clutch support piston ring	233948
181	20	Piston ring Expander spring	233947
182	8	O-ring	25K-40026
183	4	Breather	211433
184	8	Oil Seal	225763
185	8	Flange O-ring	25K-60204
186	6	Disc hub snap ring	660516
187	16	Clutch support piston ring	217411
188	6	Drive shaft oil seal	224322
189	6	Output shaft Oil Seal	226961
190	6	Output shaft O-ring	25K-40428
191	6	Input shaft Oil Seal	225763
192	1	Input shaft	216299
193	2	Clutch support and plug ass.	236970
194	2	Clutch support and plug ass.	217110
195	1	Shaft	217303
196	6	O-ring	25K-60212
197	2	1st and 2nd clutch cover	229704
198	2	Clutch cover Gasket	237158
199	1	Forward, reverse and 3rd - 4th clutch cover	227656
200	2	Clutch cover Gasket	237160
201	2	Piston	217106
202	10	Piston outer piston ring	240106
203	10	Piston outer piston ring expander spring	240105
204	10	Piston inner piston ring	240104
205	10	Piston inner piston ring expander spring	240103
206	10	Piston ring outer race	217269
207	1	Clutch drum assy	217107
208	10	Inner disc	232780
209	9	Outer disc	232395
210	2	Piston	217138
211	10	Piston outer piston ring	217415
212	10	Piston inner piston ring	217420
213	10	Piston ring outer race	236971
214	1	Clutch drum assy	236980
215	10	Inner disc	232779
216	9	Outer disc	232285
217	8	O-ring	25K-40100
218	4	Shut-off valve spool	219431

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219	6	Oil seal	226101
220	6	Oil seal	239218
221	6	Oil seal	234650
222	6	O-ring	25K-40402
223	6	O-ring	25K-30018
224	4	Valve spool sleeve	217677
225	4	Regulating valve spool	217676
226	4	Selector valve assy	217666
227	4	Forward and reverse selector valve	227247
228	2	Control cover ass.	230327
229	1	Complete torque converter Model:CL 8000	—

Factory : Kous

purchases requisite no.: 406

Spare parts for SHOMA locomotives

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
230	3	Impeller	222017
231	3	Impeller hub	222018
232	3	Turbine	222002
233	3	Turbine hub	218719
234	3	Reaction member	218781
235	4	Oil distribution sleeve	218725
236	2	Check valve breather ass.	233598
237	4	Oil seal	226056
238	2	Oil baffle	218721
239	2	Converter Charging pump	4225614
240	1	Converter housing	231592
241	1	Housing rear cover	227064
242	2	Pump drive sleeve	221992
243	6	Shim	218740
244	6	Shim	218741
245	5	Oil seal	235593
246	2	Converter Charging pump	4225614
247	4	Oil baffle O-ring	218777
248	4	O-ring	60K-40608
249	4	Piston ring	236986
250	4	Piston ring expander spring	236987
251	4	O-ring	218776
252	4	Piston ring	232166
253	4	O-ring	232167
254	4	Piston ring inner	216615
255	2	Impeller cover	218712
256	4	O-ring	25K-40402
257	4	O-ring	25K-60204
258	4	Oil seal	225763
259	3	Pressure regulating valve ass.	228499
260	4	O-ring	25K-30012
261	4	O-ring	218779
262	4	O-ring	60K-40700
263	3	Pump drive shaft	216095
264	4	Piston ring	223570
265	3	Stator support sleeve ass.	237395
266	3	Piston ring	237338
267	3	Piston ring expander spring	237339
268	3	Piston ring	209791
269	3	Piston stop	222041
270	3	Piston stop O-ring	60K-40024
271	3	Pressure spring	214668
272	2	Regulator spring	227292
273	2	Regulating valve piston	228500
274	6	Clutch support piston ring	233948
275	6	Piston ring expander spring	233947
276	6	O-ring	25K-40026

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277	6	Oil seal	225763
278	6	O-ring	25K-60204
279	6	Clutch support piston ring	217411
280	4	Oil seal	224322
281	4	Output shaft oil seal	226961
282	4	Output shaft O-ring	25K-40428
283	4	Flange O-ring	25K-60212
284	4	O-ring	25K-40428
285	2	1st and 2nd clutch cover	229704
286	1	Forward, reverse, 3rd and 4th clutch cover	227656
287	2	Clutch cover gasket	237159
288	2	Clutch cover gasket	237160
289	2	Piston	217106
290	3	Piston outer piston ring	240106
291	3	Piston outer piston ring expander spring	240105
292	3	Piston inner piston ring	240104
293	3	Piston inner piston ring expander spring	240103
294	3	Piston ring outer race	217269
295	2	Clutch support and plug ass.	217110
296	2	Piston	217138
297	4	Piston outer piston ring	217415
298	4	Piston inner piston ring	217420
299	6	Piston ring outer race	236971
300	2	Clutch drum assy	236980
301	3	Clutch support and plug ass.	236970
302	4	O-ring	25K-40100
303	4	Oil seal	234218
304	4	Oil seal	234650
305	4	Oil seal	226101
306	4	Valve spool	219431
307	3	Forward, reverse selector valve	227247
308	1	Control cover ass.	226864

Factory : Kous

purchases requisite no.: 411

Spare parts for SHOMA locomotives

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
309	4	O-ring	60K-40608
310	6	O-ring	218776
311	4	O-ring	232167
312	6	O-ring	25K-40420
313	6	Oil seal	4225508
314	4	Oil seal	226056
315	4	Piston ring	216615
316	2	Cheek valve breather ass.	233598
317	4	Piston ring	4225586
318	4	Piston ring	223570
319	4	Oil seal	4225519
320	4	O-ring	218777
321	4	O-ring	218779
322	4	O-ring	25K-40424
323	4	Piston ring	237338
324	4	Piston ring expander spring	237339
325	3	Pump drive shaft	216095
326	4	Piston ring	209791
327	2	Turbine shaft	218731
328	2	Pressure regulating valve ass.	228499
329	2	Impeller	222017
330	2	Impeller hub	222018
331	2	Turbine	222002

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332	2	Turbine hub	218719
333	2	Reaction member	218781
334	2	Oil baffle	218721
335	4	Oil distribution sleeve	218725
336	2	Converter Charging pump	228997
337	4	Oil seal	235593
338	2	Impeller cover	218712
339	2	Regulating valve piston	228500
340	2	Regulating spring	227292
341	1	Converter housing	231592
342	1	Housing rear cover	227064
343	2	Control cover assembly	233061
344	2	Pump drive sleeve	221992
345	6	Shim	218744
346	6	Piston ring	233740
347	6	O-ring	25K-40026
348	4	Oil seal	209587
349	4	O-ring	25K-60116
350	4	Oil seal	224322
351	2	1st and 2nd clutch cover	217337
352	2	1st and 2nd clutch cover gasket	237157
353	12	Clutch support piston ring	233948
354	12	Piston ring expander spring	233947
355	2	Clutch support and plug ass.	217110
356	2	Clutch support and plug ass.	236970
357	2	Clutch support piston ring	233740
358	2	Clutch cover gasket	237158
359	1	Forward, reverse, 3rd and 4th clutch cover	217619
360	8	O-ring	25K-60204
361	4	Oil seal	225763
362	4	O-ring	25K-40408
363	2	Piston	217138
364	2	Snap ring	217416
365	4	Piston outer piston ring	217415
366	4	Piston inner piston ring	217420
367	6	Piston ring outer race	217136
368	1	Clutch drum assy	217130
369	3	Snap ring	217692
370	3	Piston	217106
371	2	Snap ring	217099
372	6	Piston outer piston ring	217412
373	6	Piston inner piston ring	220873
374	6	Piston ring outer race	217155
375	1	Clutch drum assy	236980
376	3	Snap ring	237170
377	6	O-ring	25K-40024
378	7	Oil seal	234651
379	6	Oil seal	226101
380	3	Shut-off valve spool	228491
381	6	O-ring	25K-30018
382	6	Regulator valve spool	239527
383	2	Input shaft gear	232100
384	2	Bearing cap	226797
385	6	Shim	217391
386	1	Control cover ass.	226864

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Factory : ARMANT
 purchases requisite no.: 261-262
 ania locomotive 260 HP

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
Power shift transmission T 8400 (sev157)			
387	7	Clutch cover Gasket	217311
388	1	Snap ring	711161
389	8	Clutch support piston ring	217411
390	1	Clutch support piston ring	233948
391	6	Bearing cap	218735
392	5	Oil seal	4225508
393	5	Gear Z=36	218871
394	2	Spacer	218738
395	2	Bearing	710791/710790
396	10	Inner disc	232779
397	9	Outer disc	232285
398	2	Shut-off valve spool	230132
399	2	Shut-off valve piston	227562
400	1	O-ring	91F-7
401	2	Shift cylinder housing	227416
402	6	Oil seal	4225514
403	4	Pressure regulating valve	223499
404	10	Housing rear cover	227064
Torque convertor Clark 8000 (SEV 48)			
405	3	Oil baffle	222024
406	4	O-ring	25K-40420
407	2	Regulator valve assay	228499
408	4	Oil distributor sleeve	218725
409	2	Ball	STAS 5906-76
410	3	Turbine shaft	218731
411	3	Bearing	226027/226026
412	4	Stator support sleeve	237395
413	3	Reaction member	218781
414	5	Impeller hub	222018
415	4	Oil seal	4225512
416	4	Oil Seal	4225519
417	2	Complete torque converter Model:CL8000	—

Factory : ARMANT
 purchases requisite no.: 263

Spare parts for Romanian Loco. 150HP

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
Spare part for transmission Clark HR32000 -150 HP			
Converter group (Figure B)			
418	15	Pump drive gear bearing	Item 4
419	15	Pump drive bearing support	Item 5
420	5	Pump sleeve snap ring	Item 10
421	5	Turbine shaft bearing	Item 16
422	5	Turbine shaft piston ring	Item 17
423	5	Oil baffle oil seal	Item 26
424	5	Impeller hub bearing	Item 35
425	5	Bearing snap ring	Item 36
426	5	Impeller cover bearing	Item 46
Converter housing, transmission on case & rear cover group (Figure C)			
427	5	Converter housing sleeve screw lockwasher	Item 13
428	5	Tube clip screw	Item 39
429	5	Pressure tube O-ring	Item 45
430	5	Tube sleeve	Item 46
431	10	Rear cover to case stud lockwasher	Item 56
432	5	Suction line washer	Item 71
433	5	Suction line O-ring	Item 72
434	5	Suction tube clip rivet	Item 73

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435	5	Front cover oil seal	Item 82
Forward, reverse, 2 & 3 speed clutch & gear group (Figure D)			
436	10	Clutch outer disc - reverse clutch	Item 21
437	10	Clutch inner disc - reverse clutch	Item 22
438	10	Clutch inner disc - 3rd clutch	Item 30
439	10	Clutch outer disc - 3rd clutch	Item 31
440	10	Clutch outer disc - 2nd clutch	Item 61
441	10	Clutch inner disc - 2nd clutch	Item 62
442	10	Clutch outer disc - forward clutch	Item 70
443	10	Clutch inner disc - forward clutch	Item 71
444	5	Reverse & 3rd Shaft front bearing	Item 5
445	5	Clutch driven gear bearing	Item 13
446	5	Clutch piston outer seal	Item 24
447	5	Clutch piston inner seal	Item 25
448	5	Clutch piston outer seal	Item 28
449	5	Clutch piston inner seal	Item 27
450	5	3rd Gear bearing	Item 39
451	5	3rd gear bearing snap ring	Item 40
452	5	Reverse & 3rd shaft rear bearing	Item 46
453	5	Clutch piston outer seal	Item 64
454	5	Clutch piston inner seal	Item 65
455	5	Clutch piston inner seal	Item 67
456	5	Clutch piston outer seal	Item 68
457	5	Clutch driven gear bearing	Item 80
458	5	Clutch driven gear bearing snap ring	Item 81
459	5	Clutch driven gear bearing snap ring	Item 84
460	5	Clutch driven gear bearing - shield in	Item 85
461	5	Forward & 2nd shaft front bearing	Item 88
462	5	3rd gear bearing - shield out	Item 45
1st & output clutch group (Figure E)			
463	5	Low speed clutch shaft pilot bearing	Item 1
464	5	Low speed gear bearing ass.	Item 6
465	45	Clutch inner disc	Item 15
466	45	Clutch outer disc	Item 16
467	5	Output shaft	Item 53
468	5	Front bearing cone	Item 54
469	6	Output flange	Item 71
470	6	Oil seal	Item 70
471	6	Output flange O-ring	Item 72
472	6	Output flange washer	Item 73
473	6	Output flange nut	Item 74
474	6	Rear bearing cap	Item 76
475	5	2nd gear bearing	Item 3
476	5	Clutch piston outer seal	Item 18
477	5	Clutch piston inner seal	Item 19
478	5	Rear bearing cone	Item 50
479	5	Idler shaft front bearing	Item 64
Control valve assembly (Figure G)			
480	1	Solenoid control valve ass. Complete	—

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Factory : Edfu

purchase\$ requisite no.: 933

Spare parts for Romanian locomotives

NO.	QUANTITY REQUIRED	SPECIFICATIONS	PART NO.
Spare Parts for Clark torque converter Model 8000			
481	2	Converter housing	231592
482	2	Housing rear cover	227064
483	2	Stator support sleeve	237395
484	2	Reaction member	218781
485	2	Impeller	214689
486	2	Impeller hub	222018
487	2	Turbine	222002
488	2	Turbine and lockup hub	218719
489	2	Impeller cover	218712
490	10	Oil seal	4225512
491	6	Converter charging pump	4225614
492	3	Bearing cap and oil seal	218791
493	20	Oil Seal	4225519
494	3	Output shaft	218733
495	12	Snap ring	663834
496	8	Check valve breather	4225214
497	2	Pump drive shaft	216095
498	6	Pump drive sleeve	221992
499	12	O-ring	218776
500	8	Piston ring	4225586
501	8	O-ring	25K-40100
502	12	O-ring	218779
503	2	Bearing retainer	218855
504	2	Output flange	219365
505	2	Complete torque converter Model:CL 8000	—
Spare Parts for transmission Model: T8400			
506	1	Clutch drum assy	236980
507	2	Piston	217138
508	30	Outer disc	232285
509	30	Inner disc	232779
510	2	Disc hub ass.	217133
511	20	Oil seal	4225514
512	4	3rd speed valve	227416
513	4	Shift cylinder housing	227417
514	4	2nd speed valve	227415
515	4	1st speed valve	227414
516	4	Selector valve	227413
517	4	Forward reverse valve	230122
518	4	Shut off valve spool	230132
519	4	Regulating valve spool	217676
520	4	Valve spool	217677
521	4	Oil sump gasket	237161
522	1	Control cover	219416
523	2	Hydraulic cab control, complete	—
524	12	Oil baffle O-ring	218777
525	15	O-ring	25K-60204
526	3	1st & 2nd clutch cover	4225771
527	5	Piston valve	230104
528	5	Shut-off valve piston	227562
529	5	Forward-reverse piston guide	227410
530	5	Forward-reverse piston	227411
531	5	Shut-off valve spring	231135
532	5	Shut-off valve	220983
533	5	End plug housing	227408
534	5	Selector valve spring	227421
535	2	Complete transmission Model: T8420-709	—

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