

LIST OF PARTS**Anx A****LIST OF ITEMS**

Ser	Part No	Description	A/U	Ime d Req	Remarks
Upper Carriage					
Nozzle Section					
1.	5229250	Injector	Nos	48	OEM
Turbo Section					
Turbo Supercharger Sub Accessories in Kit (containing i to xiv items)					
2.	8429310	Seal "O" Ring	Nos	03	"
3.	9321581	Seal "O" Ring	"	06	"
4.	8329247	Seal Sperlatic	"	03	"
5.	9507684	Seal Parkar	"	03	"
6.	907097 4001582	Ball Bearing	"	03	"
7.	8291326	Carrier Ring Seal	"	06	"
8.	8329451	Thrust Bearing HD	"	03	"
9.	8358564	Seal Assembly Compressor	"	03	"
10.	8358562	Seal Assembly Impeller	"	03	"
11.	8339664	Seal Assembly Turbine	"	03	"
12.	8370119	Bearing Compressor	"	03	"
13.	8337615	Carrier Shaft Assembly	"	03	"
14.	8391681	Clutch Assembly	"	03	"
15.	8419244	Balancing Assembly	"	03	"
16.	8289807	Carrier Seal Ring	"	03	"
17.	8358578	Idler Gear	"	03	"
18.	8358587	Oil Jumper	"	03	"
19.	8474956	Defuser Exhaust	"	03	"
20.	8358575	Driver Gear	"	03	"
21.	8363016	Retainer Nozzle	"	03	"
22.	8405517	Nozzle Ring	"	03	"
23.	9327497 9567609	Retainer Assembly Sheroud	"	03	"
24.	8358566	Bolt Defuser Exhaust	"	24	"
25.	8460229	Bolt	"	30	"
26.	8358572	Bolt Jumper	"	06	"

Se r	Part No	Description	A/U	Ime d Req	Remarks
27.	8366279	Bolt	“	18	“
28.	186622	Bolt	“	18	“
29.	427588	Bolt Compressor	“	36	“
30.	8347939	Washer (Anti Thrust Cap)	“	03	“
31.	10803	Screw (Thrust Washer)	“	12	“
32.	9432384	Bearing Roller	“	03	“
33.	8358579	Washer Thrust	“	03	“
34.	8306457	Bolt (Support Mounting)	“	24	“
35.	8358567	Bolt (Idler Shaft Mounting)	“	12	“
36.	8358580	Bolt (Idler Shaft Mounting)	“	03	“
37.	8405513	Defuse Compressor	“	03	“
38.	9503069	Doweling Assembly	“	03	“
39.	9329127 9330367	Duct Exhaust	“	03	“
40.	8363538	Exhaust Scroll Assembly	“	03	“
Power Assembly					
Bridge Assembly kit (containing i to v items)					
41.	80145929	Bridge Assembly (Exhaust Valve)	“	96	“
42.	8052307	Button Injector	“	48	“
43.	8031925	Spring Button Retaining	“	48	“
44.	8052327	Screw Adjusting	“	144	“
45.	8028460	Shaft (Rocker Arm)	“	48	“
Kit Con Rod (Bearing Shell) (containing i to ii items)					
46.	8354118	Con Rod Bearing Shell (Upper)	“	24	“
47.	8136114	Con Rod Bearing Shell (Lower)	“	24	“
48.	40118737	Power Pack (Fork) (Laser Hardened)	“	24	“
49.	40118738	Power Pack (Blade) (Laser Hardened)	“	24	“
50.	8427111	Gasket Kit (Head to Liner)	“	48	“
51.	8048880	Test Cock Valve Assembly	“	48	“
52.	8414444	Elbow (Water Outlet)	“	48	“
53.	8361565	Bearing Insert	“	48	“
54.	40145726	Lash Adjuster (Assembly)	“	192	“
Radiator Section					
Kit Gasket (Containing 08 items)					
55.	9570636	Gasket	“	06	“

Se r	Part No	Description	A/U	Ime d Req	Remarks
56.	9570611	Gasket	"	06	"
57.	9570602	Gasket	"	06	"
58.	8460205	Gasket	"	06	"
59.	8272140	Gasket	"	06	"
60.	8272139	Gasket	"	03	"
61.	8272142	Gasket	"	06	"
62.	8250627	Gasket	"	03	"
Air Section					
63.	9312433	Air Compressor		03	"
64.	9531882	Crank Shaft		03	"
Kit Cylinder (containing i to iii items)					
65.	8315609	Cylinder HP	"	03	"
66.	8204526	Cylinder LP	"	03	"
67.	8204514	Cylinder Twin	"	06	"
68.	8038999	Discharge Valve HP	"	03	"
69.	8038986	Inlet Valve HP	"	03	"
70.	8496981	Bearing Shell	"	36	"
71.	8467306	Kit Crank-case Detector	"	03	"
72.	8246382	Spring Valve	"	216	"
73.	8033545	Con Rod	"	18	"
74.	8252281	Ring LP & Vacuum Exhauster	"	15	"
75.	8252289	Ring Set HP		03	"
76.	9311037	Air Compressor Filter		03	"
Kit Copper Gasket (containing i to ii items)					
77.	8039103	Copper Gasket HP		06	"
78.	8083592	Copper Gasket LP & Vacuum Exhauster		30	"
Kit Gasket (containing i to xxi items)					
79.	527582	Gasket C-V Body Relay Valve	"	03	"
80.	527581	Gasket C-V Body Relay Valve	"	03	"
81.	8057487	Gasket Brake Cylinder	"	24	"
82.	8107326	Gasket Valve Cover HP	"	06	"
83.	9572069	Gasket Valve Cover LP & Exhauster	"	30	"
84.	8034608	Gasket Cylinder Head HP	"	03	"
85.	9572092	Gasket to Cylinder Head	"	06	"
86.	8068806	Gasket Crank Case to Cylinder Body		09	"

Ser	Part No	Description	A/U	Imed Req	Remarks
87.	9572088	Gasket LP	“	03	“
88.	8068195	Gasket Main Housing Cover	“	03	“
89.	8214170	Gasket Sump Cover	“	06	“
90.	8097592	Gasket M. & Res Seal	“	12	“
91.	9531877	Gasket Pump Large	“	03	“
92.	9572090	Gasket Pump Small	“	03	“
93.	8039110	Gasket fold HP	“	15	“
94.	8082672	Gasket Inter Cooler	“	09	“
95.	9572060	Gasket Elbow	“	06	“
96.	8238935	Gasket Valve Seat to body	“	03	“
97.	563815	Gasket Body 28 UB	“	03	“
98.	562872	Gasket P2	“	03	“
99.	97368	Gasket J-1	“	03	“
Kit “O” Ring (containing i to xvi items)					
100.	4B33742	"O" Ring RH-4 Air Kit	“	03	“
101.	531868	O Ring A-9 & SA-9	“	12	“
102.	564056	O Ring A-9 & SA-9	“	06	“
103.	457353	KK Ring (RH-4)	“	03	“
104.	4B48048	O Ring (RH-4)	“	03	“
105.	454957	KK Ring (RH4)	“	03	“
106.	4A428025	O Ring (RH4)	“	03	“
107.	461793	KK Ring (RH4)	“	06	“
108.	4A38577	O Ring (RH4)	“	03	“
109.	454935	K.K. Ring (RH4)	“	03	“
110.	454923	K.K. Ring (RH4)	“	03	“
111.	4A69700	O Ring (RH4)	“	06	“
112.	4A49275	O Ring (RH4)	“	06	“
113.	4A40125/8	O Ring (RH4)	“	06	“
114.	454931	K.K. Ring (RH4)	“	03	“
115.	461615	K.K. Ring (RH4)	“	03	“
Kit Valve (containing i to xxii items)					
116.	8310075	Safety Valve	“	03	“
117.	565878	JI Relay Valve	“	03	“
118.	563784	Check Valve 28LV1	“	03	“
119.	529009	Check Valve	“	03	“

Ser	Part No	Description	A/U	Ime d Req	Remarks
120.	564141	S-A 9 Valve	“	03	“
121.	8451213	Trip Valve	“	06	“
122.	562533	Kit P-2 App valve	“	03	“
123.	8238942	Seat Valve	“	03	“
124.	8238938	Bumper Breather Valve	“	03	“
125.	8238937	Disc Valve Formerly	“	03	“
126.	8238936	Spring Valve	“	03	“
127.	8033548	Discharge Valve LP	“	03	“
128.	8067160	Inlet Valve LP	“	03	“
129.	8039104	Clamp Valve HP (Outlet)	“	03	“
130.	8120264	Clamp Valve HP (Inlet)	“	03	“
131.	4B44053	Valve Head (RH-4)	“	06	“
132.	176893	Valve Head (RH4)	“	03	“
133.	179846	Valve Head (RH4)	“	03	“
134.	4A42897	Valve Seat (RH4)	“	03	“
135.	4A30499	Valve Head (RH4)	“	03	“
136.	563784	Valve Check	“	03	“
137.	529009	Valve Check	“	03	“
Kit Diaphragm (containing i to x items)					
138.	526346	Diaphragm	“	12	“
139.	564081	Diaphragm J-1	“	03	“
140.	564210	Diaphragm	“	03	“
141.	564081	Diaphragm 28 LV (Large)	“	03	“
142.	563785	Diaphragm 28 LV (Small)	“	03	“
143.	522980	Diaphragm Relay Valve	“	03	“
144.	546354	Diaphragm V1 Large	“	03	“
145.	546353	Diaphragm V1 Small	“	03	“
146.	4B57571	Cup Diaphragm (RH4)	“	03	“
147.	526346	Diaphragm (HS-4)	“	15	“
Kit Screw (containing i to iv items)					
148.	138807	Screw HP Inlet	“	06	“
149.	138880	Screw HP Outlet	“	03	“
150.	9433101	Screw Vacuum (Inlet)	“	03	“
151.	138878	Screw Vacuum (Outlet)	“	03	“
152.	40017902	Oil Ring	“	15	“

Se r	Part No	Description	A/U	Ime d Req	Remarks
153.	24212560	Air Vacuum Hose Pipe with clamp	“	06	“
154.	8200561	Brake Cylinder Coupling Pipe	“	06	“
155.	8344308	Oil Seal (Air Compressor)	“	03	“
156.	8231325	Duplex Vacuum Gauge	“	03	“
157.	9339050	Oriface Plug	“	06	“
158.	8120265	Spring U Plunger	“	06	“
159.	8402068	Filter Element	“	03	“
160.	8068192	Roller Bearing	“	06	“
161.	8063258	Piston Pin LP	“	15	“
162.	8038979	Piston Pin HP	“	03	“
163.	8234958	Joint Centre	“	30	“
164.	8120266	Unloader plunger	“	03	“
165.	8291183	Flexible Coupling A/C	“	03	“
166.	8457272	Air Filter	“	03	“
167.	8204527	Cylinder Head LP	“	03	“
168.	8423393	3 Way Valve Brake Cylinder	“	06	“
169.	3B40670	Hose Coupling 70 PSI	“	06	“
170.	8039107	Plate Cover HP	“	03	“
171.	8120263	Plate Cover HP	“	03	“
172.	8057798	Cover HP	“	03	“
173.	8063183	Drain Cock Inter	“	06	“
174.	8331916	Check Valve non return valve	“	03	“
175.	181910	Flow Switch	“	03	“
176.	8267929	Dial Gauge	“	03	“
177.	8338022	Bushing Sleeve LP	“	06	“
178.	8355339	Bushing Sleeve HP	“	06	“
179.	8338022	Bushing Sleeve Exhaust	“	24	“
180.	8238943	Seat Assembly Breather Valve	“	03	“
181.	181361	Bolt Adjusting 3/8-24x7/8 Hex Head	“	03	“
182.	8038984	HP Head	“	03	“
183.	8345952	Piston HP	“	03	“
184.	8231593	Pressure Gauge (0-20) MAR	“	03	“
185.	8238311	Piston Ring	“	30	“
186.	532299	Ring Packing (VA-1)	“	12	“
187.	564377	Valve Inlet & Exhaust Unit	“	06	“

Ser	Part No	Description	A/U	Ime d Req	Remarks
188.	2B68626	Manifold Plate	“	03	“
189.	I81898 / I81897	RH-4 Kit	“	03	“
190.	9311033 40054841	Ring Oil	“	03	“
191.	9311032	Piston Ring	“	03	“
192.	8243095	Safety Valve MAR	“	03	“
Pannel Section					
193.	8351980	Voltage regulator	“	03	“
194.	8449692	Rheostat RH VR	“	03	“
195.	8400143	GFD contactor	“	03	“
196.	8363197	Rectirifer CR-1	“	03	“
197.	8314549	AC-I- AC-II contactor	“	06	“
198.	40048972	CCS switch	“	03	“
199.	8363066	Resister RE-37	“	03	“
200.	8394395	Capacitor CA-20	“	03	“
201.	8421017	Bridge diode	“	42	“
202.	8397747	Idac panel	“	03	“
203.	8335911	Capacitor 1 MFD	“	09	“
204.	8341282	Capacitor 10 MFD 37/38	“	06	“
205.	8004544	Fuse 150 Amp	“	03	“
206.	8213093	Head light switch	“	03	“
207.	8425858	Head light resister	“	06	“
208.	8287379	Rheostat RH-8	“	03	“
209.	8394594	COR relay	“	03	“
210.	8366391	MCO switch	“	03	“
211.	8335911	Capacitor CA-36	“	03	“
212.	8481557	TRP pannel	“	03	“
213.	9084995	Bank assembly	“	06	“
214.	8405701	Kit Capacitor	“	18	“
215.	9091052	Throttle drum	“	03	“
216.	8424174	Temp switch	“	03	“
217.	8424292	Temp switch	“	03	“
218.	8424290	Temp switch	“	03	“
219.	8361775	FOR relay	“	03	“

Se r	Part No	Description	A/U	Ime d Req	Remarks
220.	8363066	Resister 2K RE-37	“	03	“
221.	8380922	Resister 5	“	18	“
222.	8102509	Finger Assembly AC-1	“	12	“
223.	8409388	Brush Assembly ST/GFD	“	06	“
224.	8409389	Post Assembly ST/GFD	“	12	“
225.	8365307	FCT	“	03	“
226.	8430150	RE-2, 50OHM	“	03	“
227.	8234831	Transformer TI	“	03	“
228.	8004587	REBC (Resistor)	“	03	“
229.	8385325	GRCR	“	03	“
Auxiliary Section					
230.	8455505	Fuel Pump Motor	“	03	“
231.	8084884	spider (FPM)	“	03	“
232.	8077938	Coupling (FPM)	“	03	“
233.	8080284	Pump assy (FPM)	“	03	“
234.	8498156	Soak back pump	“	03	“
235.	5553414	Auxiliary generator	“	03	“
236.	8393784	Switch (RVR-M)	“	18	“
237.	8347522	Capacitor 0-1MFD	“	18	“
238.	8271326	Carbon Brush Auxiliary Generator	“	24	“
239.	1109629	Starting Motor 64 volts	“	06	“
240.	61S001850 8356005	Rheostat	“	03	“
241.	8323955	Plug conduit 3 pole	“	06	“
242.	8357441	Magnet Valve	“	03	“
243.	5532613	Armature Assembly (Auxiliary Generator)	“	03	“
244.	3176597	Coil Assembly including Stator (Radiator Fan)	“	06	“
245.	800066	Clutch Assembly Solenoid	“	06	“
246.	8393784	Micro Switch	“	36	“
247.	8339375	Resistor	“	18	“
248.	038636	Spring Brush (FPM)	“	12	“
249.	8441833	Contact Assembly (RVR)	“	144	“
250.	8441833	Contact Assembly (P/C)	“	54	“
251.	8433751	Rectifier (RVR)	“	18	“

Se r	Part No	Description	A/U	Ime d Req	Remarks
Lower Carriage					
252.	8339952	Traction Motor Noze Suspension Assy	“	18	OEM/ Pak Made/ After Market
253.	8107342	Traction Motor Noze Suspension Assy guid pins	“	06	“
254.	-	Traction Motor Rubber Boot	“	18	“
255.	8255138	Traction Motor Air Duct Wear Plate	“	12	“
256.	-	Axle Cap Bolt Large	“	12	“
257.	-	Axle Cap Bolt Small	“	12	“
258.	-	Pedestal Liner	“	48	“
259.	40010415	Gasket	“	36	“
260.	-	Gear Case Seal Inside	“	18	“
261.	-	Gear Case Seal outside	“	18	“
262.	-	Seal for Gear Box	“	36	“
263.	-	Dust Guard	“	24	“
264.	-	S.S Clump	“	36	“
265.	8486306	Gear Case Box upper half	“	06	“
266.	8301948	Gear Case Box Lower half	“	06	“
267.	-	Bushes for truck lever, shaft, hanger	“	150	“
268.	8235906	Break Head Assy	“	06	“
269.	-	Brake adjusted shaft bolts, nuts nad spring	“	12	“
270.	8235916	Brake Shaft Hanger pins	“	12	“
271.	8197691	Brake shaft hanger bush	“	60	“
272.	8197960	Brake shaft bush	“	40	“
273.	9334229	Brake block adjusting shaft/ slak adjusting Arm	“	06	“
274.	-	Brake Block adjusting shaft (Trunnion)	“	06	“
275.	8242352	Spacer Brake rigging	“	06	“
276.	9099651	Brake head assy	“	06	“
277.	8101916	Pin Assy (Brake Rigging)	“	12	“
278.	9565166	Magnees Steel Wear Plate for Bolster Friction end	“	36	“
279.	9565168	Magnees Steel Wear Plate for Bolster Friction end	“	24	“
280.	9565167	Magnees Steel Wear Plate for Bolster	“	24	“

Se r	Part No	Description	A/U	Ime d Req	Remarks
		Friction end			
281.	8268054	Magnees Steel Wear Plate for Bolster upper the bolster (pad)	"	12	"
282.	7493646	Magnees Steel axle box wear plate	"	72	"
283.	7493667	Magnees Steel axle box wear plate	"	72	"
284.	7493726	Magnees Steel axle box wear back plate	"	72	"
285.	-	Brake Shoe Holder	"	30	"
286.	8449066	Buffer Assy	"	06	"
287.	9557789	Traction Motor Axle Support Bearing	Sets	36	"
288.	9578681	Traction Motor Carbon Brushes	Nos	216	"
289.	9437296	Traction Motor Bearing P/End	"	18	"
290.	40087004	Traction Motor Bearing C/End	"	18	"
291.	7451292	Axle Bearing Inner Race	"	36	These parts will be awarded to lowest firm on total lowest price
292.	7451293	Axle Bearing outer Race	"	36	
293.	7451945	Bearing Roller	"	1008	
294.	7451944	Cage	"	12	
295.	7498210	Gasket (Shims for Axle box)	"	36	OEM
296.	186923	Bolt For Thrust Block	"	12	"
297.	7496440	Support Ring	"	12	"
298.	8232617	Axle Box Spring (Large)	"	24	"
299.	8232621	Axle Box Spring (Medium)	"	24	"
300.	8232622	Axle Box Spring (Small)	"	24	"
301.	7494211	Unit for Axle	"	36	"
302.	LDBJ00100 1	Axle Journal Box	"	06	"
303.	7492453	Axle Water Guard/Axle Mode Guard	"	18	"
304.	9085368	Center Pivot High pressure plate	"	06	"
305.	9330489	Center Half Ring	"	12	"
306.	8374373	Bolster Spring	"	32	"
307.	8252022	Bolster Plunger Spring	"	12	"
308.	8232135	Bolster Snubber plunger	"	24	"
309.	559547	Gasket Kit for A-9 Valve	"	10	"
310.	559549	Gasket Kit For SA-9 Valve	"	05	"
311.	8425858	Head Light Resistance	"	10	"
312.	9089189 /	Wheel Disc	"	120	"

Ser	Part No	Description	A/U	Ime d Req	Remarks
	19510129				
313.	9501303 / 9575898 / (1002782 KORAIL)	Brake Shoe of special COBRA V523 (OEM)	“	500	“

Saved by 100235abdulrehman at 290915 May 26

Saved by 100235abdulrehman at 290915 May 26

Saved by 100235abdulrehman at 290915 May 26

HEADQUARTERS NLC EXPRESS FREIGHT TRAINS (NEFT) - INVITATION TO TENDER
(ONE TIME BUY – FOR BASIS)

No. **3726/NEFT/Proc/NLC**

Dated: **19 May 2026**

NL-1

INSTRUCTIONS TO TENDER

Words of Caution

1. “Offers be accompanied with complete technical specifications of items being offered, where applicable.
2. “Offer must accompany original schedule to tender NL-2 and NL-3 duly completed with the certificate of the firm.
3. Attention of all firms / addressees is invited to section 5 of Official Secret Act 1923 and they are advised in their own interest to ensure complete secrecy of all information or documents connected with the enquiry/contract and restrict the number of their employees having access to the barest minimum persons. Guilty of offence under any section of the act are punishable with imprisonment for a term which may extend to two years or with fine, or both.

General

4. NEFT, NLC invite your Firm / Foreign Principal to participate in tender for the supply of Spare Parts for **GMU 30 (GT26CW)** locomotives. Instructions to tender are mentioned in NL-1 documents. **“Terms and Conditions related to Financial Proposal are available in NL-2 documents, whereas Questionnaire pertaining to Particulars and Product Confirmation / Specifications are available for endorsement in NL-3 documents. List of Parts to be quoted are attached as Annexure ‘A’ to tender documents”.**

5. **Questionnaire and Acceptance Certificate** Required questionnaire and acceptance certificate are mentioned in **NL-3 of the tender documents. Both must be completely filled and attached with the bidding documents.**

6. **Preparation of Tender**

- a. The tender is liable to be **ignored / rejected if complete** information is not given therein or the particulars (if any) asked for in Schedule of the tender are not filled in. Attention must be paid to delivery dates and also to the particulars referred in the general conditions of tender enquiry.
- b. Individual signing tender and other documents connected with a contract must specify.

- (1) Whether signing as “**Sole proprietor of the firm or his attorney**”
- (2) Whether signing as “active partner of a Registered Firm” or his attorney with copies of Power of Attorney and certificate of Registration issued by Registrar of Firms, under Partnership Act, 1932.
- (3) Whether signing for the firm “Per Procuration”
- (4) In case of a Company registered under Companies Ordinance, 1984 the capacity in which the individual is signing e.g. as Secretary, Manager, Director etc or their attorney, should be indicated and a copy of Resolution passed by Board of Directors of the Company empowering him to do so, along with copy of Company’s Registration Certificate, should be attached with Tender Documents.

7. **Delivery of Tender**

- a. The original copy of the tender is to be enclosed in sealed registered tender comprise a single packet containing two separate envelopes. Outer envelope with address only. 1st inner envelope to be marked with “**TECHNICAL PROPOSAL**” and 2nd inner envelope to be marked with “**FINANCIAL PROPOSAL**” respectively **for purchase of spare parts for GMU- 30 (GT26CW) Locomotives**”.
- b. **“THE RIGHT TO IGNORE/ REJECT ANY TENDER WHICH FAILS TO COMPLY WITH THE TENDER INSTRUCTIONS IS RESERVED WITH NLC.**
- c. The tender complete in with all respect be reached this office before the deadline given in the enquiry. All received tender, through mail or firm’s rep will place in a sealed drop box available at address mentioned below. The drop box will be unsealed and opened on given time in front of firms and a board constituted for this tender. The original copy of the tender is to be enclosed in a double cover. The outer cover should bear address of this office and tender enquiry No only. No other details of any kind i.e firm name, stamp mark etc be mentioned.

Address: Mr. Sajid Bashir

Senior Manager NEFT

Headquarters National Logistics Corporation

Express Freight Train (NEFT),

C/O TNB Complex Thokar Niaz Baig, Lahore.

Tender Enquiry No: 3726/NEFT/Proc/NLC dated 04 Jun 2026

8. **Pre Bid Meeting**. For part / cat nomenclature verification, to see samples (if available and possible) and for any related queries a pre bid meeting will be held at address mentioned at para 7c on **16 Jun 2026 at 1200 hours**. Samples will be obtained from successful bidder after finalization of CST and after submission of warranty bond. **If Any part is required by end user on emergent basis, the firm will use fastest media i.e Air lift etc.**

9. **Date and Time for Opening of Tender**. **Technical Proposal** (One time Buy) will be opened at **NLC HQ NEFT, Lahore** at **1230 hours on 07 July 2026** and **financial proposal** will be opened on **09 July 2026 at 1230 hours** by which Tender bids must reach this office. No bid received after this time will be entertained. NLC will not be responsible for delay occurring in post, in the receipt of invitation to tenders by firm, or non-receipt of tender bids by NLC.

10. **Inspection of Consignment** Initial inspection of samples will be carried out by the technical board detailed by Purchaser / HQ NLC Express Freight Train (NEFT) at **NEFT Section, Karachi for upper carriage** and **NEFT Section NLC Loco Shed Lahore for lower carriage**. The remaining bulk delivery of item will be finalized as per samples approved.

11. **Delivery of Consignment**. The delivery of consignment should be ensured **within 120 days after issuing of Contract Agreement**. Any deliberate delay in the delivery time period, will be liable to Penalty.

12. **Packing** Equipment packing must be of international standards, seaworthy / properly sealed against moisture / rust, so as to withstand rough handling during loading, unloading and transportation. Marking in suitable size bold letters should be made, provided that the parts thereof shall be appropriately packed according to the manufacturer's standard.

a. **Consignee:**

For Lower Carriage

Mr, Sajid Bashir
Senior Manager NEFT
Headquarters National Logistic Corporation
Express Freight Train (NEFT),
C/O TNB Complex Thokar Niaz Baig,
Lahore
Telephone: 042-99232692

For Upper Carriage

Lt Col Sohail Asghar, Retd
Senior Manager Technical
National Logistic Corporation
Express Freight Train (NEFT),
Keamari Karachi.
Telephone: 021-32862920

b. **Supplier / Manufacturer**

Name : _____

Address: _____

Contact: _____

13. **Short Supply Claim.** For any short supply claim, the supplier will provide the same to the purchaser free of cost, at NEFT Section Lahore.
14. **Amicable settlement of dispute.** On any disagreement or dispute arising in connection with the tender, regarding terms and conditions pertaining to evaluation criteria, work specifications or quality of stores / services etc purchaser and the supplier shall make every effort to resolve amicably, within 15 days from the date of raising of issue, by direct informal negotiation. In case the conflict is not resolved amicably, then arbitration will be done between the parties as per Clause '15' below.
15. **Arbitration.**
- a. All matters of dispute, if arise during the pre-qualification or execution of contractual obligations, shall be referred to arbitration by serving notice of invoking arbitration clause to the other party.
 - b. In the event of any question, dispute or difference arising, out of the Pre-Qualification terms and conditions, between both parties, with regard to the interpretation or the rights, liabilities or duties arising out of it, the matter shall be referred to OIC NLC who acts as sole arbitrator and shall decide the dispute in accordance with law and procedure as laid down under Arbitration Act of 1940. The place of Arbitration shall be Rawalpindi and the Parties expressly submit to the exclusive jurisdiction of the Courts of Rawalpindi and no other courts elsewhere in Pakistan shall have jurisdiction to hear any matter arising out of or in connection with this Agreement.
 - c. All proceedings regarding arbitration shall be conducted in English language and in writing.
16. **Non fulfilment of Contractual Obligations.**
- a. Any un-excused delay by the Supplier in performance of its obligations, failure to supply the goods quoted or failure to meet the commitment made regarding delivery schedule, specifications, short supplies etc will authorize HQ NEFT NLC to purchase the items at the Supplier's risk and cost, in accordance with the time schedule specified by the Buyer and accepted by the purchaser as per contract agreement.
 - b. If by reason of any variation purchase order or any cause beyond the reasonable control of the supplier, timely completion of the supply or any part, as per the Contract Agreement, doesn't happen, then Supplier shall intimate in advance, at least 15 days before cutoff date to the Dir Headquarter National Logistic Corporation Express Freight Train Lahore, through a notice in writing containing details of his claim for an extension of time. The Dir National Logistic Corporation Express freight Train Freight Train (NEFT) Lahore, on receipt of such notice, may approve / grant extension with or without liquidated damages or purchase the same items at the risk & cost of the supplier.

17. **LD Charges.** If Supplier fails to deliver any or all of the goods or to perform the services within the time period(s) specified in the Contract, Purchaser/consignee shall without prejudice to its other remedies under the Contract, shall have the right to claim liquidated damages. The supplier shall pay to Purchaser as liquidated damages with respect to those delayed goods an amount equal to 2% of the value of the goods delayed for each month of delay or **number of days delayed based on per month LD charges** thereof until actual delivery or performance up to a maximum deduction of 10% of the Contract Cost. Once the maximum is reached, Purchaser may consider Termination of Contract.
18. **Warranty.** Warranty of Spare Parts as per international Standards, valid for 12 months from the date of receipt of Spare Parts by the Purchaser or 12 months from the date of their fitment, whichever comes earlier.
19. **Validity of Offer.** The validity period of quotation must be indicated and should be **valid** for **minimum 6 months from the date of opening the tender**, extendable till successful execution of Contractual Obligations.
20. **Quantity to be Purchased.** Spare parts/Assemblies of GMU-30 (GT26CW-2) Locomotives are required to be purchased as per quantities mentioned in list attached at **Annexure 'A'**.
21. **Supplier's Authorization Letter.** Supplier authorization letter (if any) in the name of supplier be submitted covering duly signed and Stamped by the Foreign Principal / Manufacturer of Parts, to include following: -
- a. Authorization to Supplier / bidder to submit the bid.
 - b. Confirmation for fulfilment of Warranty Obligations.
22. **Bid Approval Authority.** **Dir NLC Express Freight Trains (NEFT) is empowered to accept / reject any bid on technical / financial grounds** with information to party concerned.
23. **Financial Status of Supplier.** Details must be attached with the bid, including Current Year's Bank Statement and Tax Details submitted for last Financial Year.
24. **Special Conditions.** The offer must include following as mandatory responsibility of the Suppliers: -
- a. Name, location and complete Profile of Supplier approved in Pak Rlys.
 - b. Experience of Locomotive Parts Supply in PR (mandatory).
 - c. **Spare Parts Manufacture's Name, location and country of origin (Give details if more than one).**
 - d. **Validity of offer as per clause mentioned above.**

- e. Certificate about conformance of quality of parts to OEM / AAR standards as per specification given in scope of.
- f. **Delivery period as per time frame mentioned above.**
- g. Original Brochures / tech data (Where applicable).
- h. Original Quotations duly signed / stamped endorsed by principal.
- i. **FOR Karachi basis for upper carriage / FOR Lahore basis for lower carriage prices, as per clause mentioned above.**
- j. Warranty period, as per clause '18' above.
- k. Only those local Suppliers / firms can participate in the tender who are on the Active Tax Payer List of FBR.
- l. **Supplier / Manufacturer should also ensure that no Indian or Israeli made assemblies or parts are provided under this tender.**
- m. **Financial quotations with all relevant documents (details shown in NL-2 tender documents)**, duly sealed, should be submitted in a separate envelope.
- n. **Technical specifications, (if any) should be attached with the tender documents.**

NOTE OF CAUTION

Tender not conforming to the Special Instructions and Conditions given in NL-1, NL-2 & NL-3 documents or incomplete offers will not be considered. Entire documents must be read carefully for compliance.

NLC EXPRESS FREIGHT TRAINS (NEFT) NATIONAL LOGISTIC CORPORATION LAHORE
SCHEDULE TO TENDER (ONE TIME BUY)

TERMS AND CONDITIONS TO FINANCIAL PROPOSAL

1. **Contents of Financial Proposal.** The Financial Proposal should include following details as mandatory: -

Serial	Part Number	Nomenclature	Quantity ordered	Country of origin of Parts / Assembly	Name of Manufacturer / OEM	Quality of Parts to be supplied (OEM / Aftermarket)	Delivery period (Number of months after issuing of purchase order)	Price per unit (FOR Karachi / Lahore in PKR)	Total Price of ordered quantity (FOR Karachi / Lahore PKR)

NOTE:

- a. **No column should be left blank.**
 - b. Price is required to be quoted in **PKR on FOR basis.**
 - c. **Correct specifications about the Quality of Spare Parts must be mentioned.**
 - d. Desired quantity of Spare Parts will be as per list attached as Annexure 'A'. **Right of increase / decrease / deletion of parts rest with HQ NEFT before issuance of Contract agreement.**
 - e. **Time period within which the stores will be delivered is desired to be followed in true letter and spirit.**
 - f. Technical Board will be detailed by purchaser for inspection of stores received who will issue respective inspection note.
 - g. Inspection of stores will be carried out by the inspection board before any payments to supplier will be made as per inspection note issued by the inspection board.
2. **Prices.**
- a. **The prices quoted must be as per accounting unit, for items mentioned as per Annexure 'A', on FOR Karachi / Lahore basis and valid for six months from the date of opening of tender.**
 - b. The prices must be quoted in **PKR** only both in figures and words. Additional information, if any, must be linked with entries on the Schedule to Tender.
 - c. **Percentage of reduction in total price, to be allowed by the firm, may also be indicated in case order for complete parts is placed.**
 - d. Prices should be inclusive of all taxes / duties on FOR Karachi / Lahore Basis.

- e. **Offer not received as per NLC requirements is liable to be rejected at any stage of the tender.**

3. **Quality of Spare Parts.** Quality of Spare Parts to be supplied must be clearly mentioned as **OEM / Aftermarket** in respective column at table shown above. **Incomplete information or incorrect quality description will be liable to disqualification.**

4. **Items offered by the Tenderer.**

- a. Tenderer / Supplier if not in a position to quote entire quantity and for delivery as required, state specifically the items which they can deliver at the price quoted. Silence on the point will entail responsibility for supply at quoted price.
- b. Quotations must be accompanied with required technical data / manufacturing source of the stores, failing which the offer will not be entertained.
- c. Offer must be accompanied by the schedule to tender and certificates signed by the authorized persons, without which the offer will not be entertained.

5. **Terms of Payment.** Payment will be made in PKR as per delivery and final inspection of consignment at NLC Express Freight Trains (NEFT) Section Lahore and provision of CRV and Acceptance Certificate by the purchaser. **Payment terms and conditions will be finalized through mutual consent before signing of Contract.** Payment will be released to the supplier on production of following documents: -

Ser	Documents	No of Copies
a.	Copy of 5% performance bank guarantee	1
b.	Warranty Certificate by the Firm.	1
c.	Certified Receipt Voucher (CRV) from purchaser	1
d.	Acceptance Certificate from purchaser	2
e.	Commercial invoice	3
g.	Delivery Challan	2
h.	GST invoice	3

6. **Tender Fee.** Tender fee **Rs. 2000/- (non-refundable),** in the shape of bank draft will be deposited in favor of **“National Logistics Corporation HQ Main Account”**.

7. **Bid Security / Earnest Money.**

- a. Bid Security / earnest money (Refundable) is required to be submitted with tender documents, in PKR, for an amount of **Rs. 500,000/- (Rupees Five Hundred Thousand Only)**, in the shape of Bank Draft / Pay Order, in favor of **“National Logistics Corporation HQ Main Account”**. Any other financial instrument will not be acceptable.
- b. **Foreign Principals / firms can deposit the amount through their local agents or acquiring services of any Pakistani Scheduled Bank.**
- c. The amount will be returned to the successful bidder after finalization of the contract Agreement, subject to provision of **5% Warranty Bond** (Performance Bank Guarantee).
Bid Security of unsuccessful bidders will be returned after finalization of CST.

Procurement Officer
(Kanwar Muhammad Asad Khan)
HQ NEFT, NLC LAHORE
Tel: 042-99232682
Email ID: kanwarmuhammad.asadkhan @nlc.com.pk

STANDARD PARTICULARS AND PRODUCT SPECIFICATIONS**TENDERERS MUST GIVE SPECIFIC ANSWERS AGAINST EACH OF THE QUESTIONS**

1. Whether stores offered conform to the desired specifications / quality as per columns mentioned in NL-2. If not, details of deviations must be stated.
2. Copy of Conformance Standards Certification of OEM / AAR / ASTM / UIC (If any whichever applicable).
3. Whether quotation / offer validity time period is followed as per requirement.
4. Whether rates of all parts are quoted, especially for assembly wise items.
(All items listed under any particular assembly name will be taken as one unit, for the purpose of Cost effect and lowest bidder).
5. **Whether all prices are quoted on FOR Karachi Basis / FOR Lahore Basis or not (No other prices will be acceptable).**
6. **Whether any percentage of further reduction in prices will be allowed by the Principal / Supplier, in case order for full / maximum parts is placed.**
7. Whether Conformance to the desired delivery period will be ensured, without any extension, (Any deliberate delay in the delivery time period will be liable to Penalty / LDs).
8. Whether Moisture / Rust free Packing as per International specifications will be adhered and ensured before Shipment.
9. Details of Warranty Terms / Conditions with time period, as desired.
10. Whether payment terms / conditions under NLC Regulations, defined as per NL-2, are acceptable.
11. Business name and constitution of tendering firm, if the firm is registered under:
 - (a) Companies Ordinance 1984 of Pakistan.
 - (b) The Pakistan Partnership Act, 1932 (Please give the name of partners).
 - (c) Active Tax List of FBR.

(Signature of Tenderer)

Address: _____
 Contact No: _____

CERTIFICATE OF ACCEPTANCE BY SUPPLIER / MANUFACTURER

From: _____

**To: The Dir NEFT, NLC
 NLC Express Freight Train (HQ NEFT),
 Lahore.**

Dear Sir,

1. We hereby offer to supply NLC, the stores detailed in Annexure "A" to Tender Documents hereto or such portion thereof, as per terms and conditions defined in the tender schedules NL-1 to NL-3 and agree to hold this offer valid till desired time period. We shall be bounded by a communication of acceptance dispatched within the prescribed time.
2. We have understood the Instructions to Tenders, Conditions of Contract and desired particulars / specifications as laid down in tender documents NL-1 to NL- 3 and have thoroughly examined the specifications quoted in the schedule. We are fully aware to the nature of the stores required and our offer to supply the stores is strictly in accordance with the requirements.
3. **Reply on required specifications and particulars, mentioned in NL-3, also enclosed with the offer.**
4. Following additional pages have been added to form part of this tender **(If any): -**

Yours faithfully,

(Signatures)

Name: _____

Designation: _____

Address: _____

Dated: _____

LIST OF ITEMS

Ser	Part No	Description	A/U	Imed Req	Remarks
Upper Carriage					
Nozzle Section					
1.	5229250	Injector	Nos	48	OEM
Turbo Section					
Turbo Supercharger Sub Accessories in Kit (containing i to xiv items)					
2.	8429310	Seal "O" Ring	Nos	03	"
3.	9321581	Seal "O" Ring	"	06	"
4.	8329247	Seal Speraltic	"	03	"
5.	9507684	Seal Parkar	"	03	"
6.	907097 4001582	Ball Bearing	"	03	"
7.	8291326	Carrier Ring Seal	"	06	"
8.	8329451	Thrust Bearing HD	"	03	"
9.	8358564	Seal Assembly Compressor	"	03	"
10.	8358562	Seal Assembly Impeller	"	03	"
11.	8339664	Seal Assembly Turbine	"	03	"
12.	8370119	Bearing Compressor	"	03	"
13.	8337615	Carrier Shaft Assembly	"	03	"
14.	8391681	Clutch Assembly	"	03	"
15.	8419244	Balancing Assembly	"	03	"
16.	8289807	Carrier Seal Ring	"	03	"
17.	8358578	Idler Gear	"	03	"
18.	8358587	Oil Jumper	"	03	"
19.	8474956	Defuser Exhaust	"	03	"
20.	8358575	Driver Gear	"	03	"
21.	8363016	Retainer Nozzle	"	03	"
22.	8405517	Nozzle Ring	"	03	"
23.	9327497 9567609	Retainer Assembly Sheroud	"	03	"
24.	8358566	Bolt Defuser Exhaust	"	24	"
25.	8460229	Bolt	"	30	"
26.	8358572	Bolt Jumper	"	06	"
27.	8366279	Bolt	"	18	"
28.	186622	Bolt	"	18	"
29.	427588	Bolt Compressor	"	36	"
30.	8347939	Washer (Anti Thrust Cap)	"	03	"
31.	10803	Screw (Thrust Washer)	"	12	"
32.	9432384	Bearing Roller	"	03	"
33.	8358579	Washer Thrust	"	03	"
34.	8306457	Bolt (Support Mounting)	"	24	"
35.	8358567	Bolt (Idler Shaft Mounting)	"	12	"
36.	8358580	Bolt (Idler Shaft Mounting)	"	03	"
37.	8405513	Defuse Compressor	"	03	"
38.	9503069	Doweling Assembly	"	03	"
39.	9329127	Duct Exhaust	"	03	"

Ser	Part No	Description	A/U	Imed Req	Remarks
	9330367				
40.	8363538	Exhaust Scroll Assembly	"	03	"
Power Assembly					
Bridge Assembly kit (containing i to v items)					
41.	80145929	Bridge Assembly (Exhaust Valve)	"	96	"
42.	8052307	Button Injector	"	48	"
43.	8031925	Spring Button Retaining	"	48	"
44.	8052327	Screw Adjusting	"	144	"
45.	8028460	Shaft (Rocker Arm)	"	48	"
Kit Con Rod (Bearing Shell) (containing i to ii items)					
46.	8354118	Con Rod Bearing Shell (Upper)	"	24	"
47.	8136114	Con Rod Bearing Shell (Lower)	"	24	"
48.	40118737	Power Pack (Fork) (Laser Hardened)	"	24	"
49.	40118738	Power Pack (Blade) (Laser Hardened)	"	24	"
50.	8427111	Gasket Kit (Head to Liner)	"	48	"
51.	8048880	Test Cock Valve Assembly	"	48	"
52.	8414444	Elbow (Water Outlet)	"	48	"
53.	8361565	Bearing Insert	"	48	"
54.	40145726	Lash Adjuster (Assembly)	"	192	"
Radiator Section					
Kit Gasket (Containing 08 items)					
55.	9570636	Gasket	"	06	"
56.	9570611	Gasket	"	06	"
57.	9570602	Gasket	"	06	"
58.	8460205	Gasket	"	06	"
59.	8272140	Gasket	"	06	"
60.	8272139	Gasket	"	03	"
61.	8272142	Gasket	"	06	"
62.	8250627	Gasket	"	03	"
Air Section					
63.	9312433	Air Compressor		03	"
64.	9531882	Crank Shaft		03	"
Kit Cylinder (containing i to iii items)					
65.	8315609	Cylinder HP	"	03	"
66.	8204526	Cylinder LP	"	03	"
67.	8204514	Cylinder Twin	"	06	"
68.	8038999	Discharge Valve HP	"	03	"
69.	8038986	Inlet Valve HP	"	03	"
70.	8496981	Bearing Shell	"	36	"
71.	8467306	Kit Crank-case Detector	"	03	"
72.	8246382	Spring Valve	"	216	"
73.	8033545	Con Rod	"	18	"
74.	8252281	Ring LP & Vacuum Exhauster	"	15	"
75.	8252289	Ring Set HP		03	"
76.	9311037	Air Compressor Filter		03	"
Kit Copper Gasket (containing i to ii items)					
77.	8039103	Copper Gasket HP		06	"
78.	8083592	Copper Gasket LP & Vacuum Exhauster		30	"

Ser	Part No	Description	A/U	Imed Req	Remarks
Kit Gasket (containing i to xxi items)					
79.	527582	Gasket C-V Body Relay Valve	“	03	“
80.	527581	Gasket C-V Body Relay Valve	“	03	“
81.	8057487	Gasket Brake Cylinder	“	24	“
82.	8107326	Gasket Valve Cover HP	“	06	“
83.	9572069	Gasket Valve Cover LP & Exhauster	“	30	“
84.	8034608	Gasket Cylinder Head HP	“	03	“
85.	9572092	Gasket to Cylinder Head	“	06	“
86.	8068806	Gasket Crank Case to Cylinder Body		09	“
87.	9572088	Gasket LP	“	03	“
88.	8068195	Gasket Main Housing Cover	“	03	“
89.	8214170	Gasket Sump Cover	“	06	“
90.	8097592	Gasket M. & Res Seal	“	12	“
91.	9531877	Gasket Pump Large	“	03	“
92.	9572090	Gasket Pump Small	“	03	“
93.	8039110	Gasket fold HP	“	15	“
94.	8082672	Gasket Inter Cooler	“	09	“
95.	9572060	Gasket Elbow	“	06	“
96.	8238935	Gasket Valve Seat to body	“	03	“
97.	563815	Gasket Body 28 UB	“	03	“
98.	562872	Gasket P2	“	03	“
99.	97368	Gasket J-1	“	03	“
Kit “O” Ring (containing i to xvi items)					
100.	4B33742	"O" Ring RH-4 Air Kit	“	03	“
101.	531868	O Ring A-9 & SA-9	“	12	“
102.	564056	O Ring A-9 & SA-9	“	06	“
103.	457353	KK Ring (RH-4)	“	03	“
104.	4B48048	O Ring (RH-4)	“	03	“
105.	454957	KK Ring (RH4)	“	03	“
106.	4A428025	O Ring (RH4)	“	03	“
107.	461793	KK Ring (RH4)	“	06	“
108.	4A38577	O Ring (RH4)	“	03	“
109.	454935	K.K. Ring (RH4)	“	03	“
110.	454923	K.K. Ring (RH4)	“	03	“
111.	4A69700	O Ring (RH4)	“	06	“
112.	4A49275	O Ring (RH4)	“	06	“
113.	4A40125/8	O Ring (RH4)	“	06	“
114.	454931	K.K. Ring (RH4)	“	03	“
115.	461615	K.K. Ring (RH4)	“	03	“
Kit Valve (containing i to xxii items)					
116.	8310075	Safety Valve	“	03	“
117.	565878	Jl Relay Valve	“	03	“
118.	563784	Check Valve 28LV1	“	03	“
119.	529009	Check Valve	“	03	“
120.	564141	S-A 9 Valve	“	03	“
121.	8451213	Trip Valve	“	06	“
122.	562533	Kit P-2 App valve	“	03	“
123.	8238942	Seat Valve	“	03	“

Ser	Part No	Description	A/U	Imed Req	Remarks
124.	8238938	Bumper Breather Valve	"	03	"
125.	8238937	Disc Valve Formerly	"	03	"
126.	8238936	Spring Valve	"	03	"
127.	8033548	Discharge Valve LP	"	03	"
128.	8067160	Inlet Valve LP	"	03	"
129.	8039104	Clamp Valve HP (Outlet)	"	03	"
130.	8120264	Clamp Valve HP (Inlet)	"	03	"
131.	4B44053	Valve Head (RH-4)	"	06	"
132.	I 76893	Valve Head (RH4)	"	03	"
133.	I 79846	Valve Head (RH4)	"	03	"
134.	4A42897	Valve Seat (RH4)	"	03	"
135.	4A30499	Valve Head (RH4)	"	03	"
136.	563784	Valve Check	"	03	"
137.	529009	Valve Check	"	03	"
Kit Diaphragm (containing i to x items)					
138.	526346	Diaphragm	"	12	"
139.	564081	Diaphragm J-1	"	03	"
140.	564210	Diaphragm	"	03	"
141.	564081	Diaphragm 28 LV (Large)	"	03	"
142.	563785	Diaphragm 28 LV (Small)	"	03	"
143.	522980	Diaphragm Relay Valve	"	03	"
144.	546354	Diaphragm V1 Large	"	03	"
145.	546353	Diaphragm V1 Small	"	03	"
146.	4B57571	Cup Diaphragm (RH4)	"	03	"
147.	526346	Diaphragm (HS-4)	"	15	"
Kit Screw (containing i to iv items)					
148.	138807	Screw HP Inlet	"	06	"
149.	138880	Screw HP Outlet	"	03	"
150.	9433101	Screw Vacuum (Inlet)	"	03	"
151.	138878	Screw Vacuum (Outlet)	"	03	"
152.	40017902	Oil Ring	"	15	"
153.	24212560	Air Vacuum Hose Pipe with clamp	"	06	"
154.	8200561	Brake Cylinder Coupling Pipe	"	06	"
155.	8344308	Oil Seal (Air Compressor)	"	03	"
156.	8231325	Duplex Vacuum Gauge	"	03	"
157.	9339050	Oriface Plug	"	06	"
158.	8120265	Spring U Plunger	"	06	"
159.	8402068	Filter Element	"	03	"
160.	8068192	Roller Bearing	"	06	"
161.	8063258	Piston Pin LP	"	15	"
162.	8038979	Piston Pin HP	"	03	"
163.	8234958	Joint Centre	"	30	"
164.	8120266	Unloader plunger	"	03	"
165.	8291183	Flexible Coupling A/C	"	03	"
166.	8457272	Air Filter	"	03	"
167.	8204527	Cylinder Head LP	"	03	"
168.	8423393	3 Way Valve Brake Cylinder	"	06	"
169.	3B40670	Hose Coupling 70 PSI	"	06	"

Ser	Part No	Description	A/U	Imed Req	Remarks
170.	8039107	Plate Cover HP	"	03	"
171.	8120263	Plate Cover HP	"	03	"
172.	8057798	Cover HP	"	03	"
173.	8063183	Drain Cock Inter	"	06	"
174.	8331916	Check Valve non return valve	"	03	"
175.	181910	Flow Switch	"	03	"
176.	8267929	Dial Gauge	"	03	"
177.	8338022	Bushing Sleeve LP	"	06	"
178.	8355339	Bushing Sleeve HP	"	06	"
179.	8338022	Bushing Sleeve Exhaust	"	24	"
180.	8238943	Seat Assembly Breather Valve	"	03	"
181.	181361	Bolt Adjusting 3/8-24x7/8 Hex Head	"	03	"
182.	8038984	HP Head	"	03	"
183.	8345952	Piston HP	"	03	"
184.	8231593	Pressure Gauge (0-20) MAR	"	03	"
185.	8238311	Piston Ring	"	30	"
186.	532299	Ring Packing (VA-1)	"	12	"
187.	564377	Valve Inlet & Exhaust Unit	"	06	"
188.	2B68626	Manifold Plate	"	03	"
189.	181898 / 181897	RH-4 Kit	"	03	"
190.	9311033 40054841	Ring Oil	"	03	"
191.	9311032	Piston Ring	"	03	"
192.	8243095	Safety Valve MAR	"	03	"
Pannel Section					
193.	8351980	Voltage regulator	"	03	"
194.	8449692	Rheostat RH VR	"	03	"
195.	8400143	GFD contactor	"	03	"
196.	8363197	Rectirifer CR-1	"	03	"
197.	8314549	AC-I- AC-II contactor	"	06	"
198.	40048972	CCS switch	"	03	"
199.	8363066	Resister RE-37	"	03	"
200.	8394395	Capacitor CA-20	"	03	"
201.	8421017	Bridge diode	"	42	"
202.	8397747	Idac panel	"	03	"
203.	8335911	Capacitor 1 MFD	"	09	"
204.	8341282	Capacitor 10 MFD 37/38	"	06	"
205.	8004544	Fuse 150 Amp	"	03	"
206.	8213093	Head light switch	"	03	"
207.	8425858	Head light resister	"	06	"
208.	8287379	Rheostat RH-8	"	03	"
209.	8394594	COR relay	"	03	"
210.	8366391	MCO switch	"	03	"
211.	8335911	Capacitor CA-36	"	03	"
212.	8481557	TRP pannel	"	03	"
213.	9084995	Bank assembly	"	06	"
214.	8405701	Kit Capacitor	"	18	"

Ser	Part No	Description	A/U	Imed Req	Remarks
215.	9091052	Throttle drum	"	03	"
216.	8424174	Temp switch	"	03	"
217.	8424292	Temp switch	"	03	"
218.	8424290	Temp switch	"	03	"
219.	8361775	FOR relay	"	03	"
220.	8363066	Resister 2K RE-37	"	03	"
221.	8380922	Resister 5	"	18	"
222.	8102509	Finger Assembly AC-1	"	12	"
223.	8409388	Brush Assembly ST/GFD	"	06	"
224.	8409389	Post Assembly ST/GFD	"	12	"
225.	8365307	FCT	"	03	"
226.	8430150	RE-2, 50OHM	"	03	"
227.	8234831	Transformer TI	"	03	"
228.	8004587	REBC (Resistor)	"	03	"
229.	8385325	GRCR	"	03	"
Auxiliary Section					
230.	8455505	Fuel Pump Motor	"	03	"
231.	8084884	spider (FPM)	"	03	"
232.	8077938	Coupling (FPM)	"	03	"
233.	8080284	Pump assy (FPM)	"	03	"
234.	8498156	Soak back pump	"	03	"
235.	5553414	Auxiliary generator	"	03	"
236.	8393784	Switch (RVR-M)	"	18	"
237.	8347522	Capacitor 0-1MFD	"	18	"
238.	8271326	Carbon Brush Auxiliary Generator	"	24	"
239.	1109629	Starting Motor 64 volts	"	06	"
240.	61S001850 8356005	Rheostat	"	03	"
241.	8323955	Plug conduit 3 pole	"	06	"
242.	8357441	Magnet Valve	"	03	"
243.	5532613	Armature Assembly (Auxiliary Generator)	"	03	"
244.	3176597	Coil Assembly including Stator (Radiator Fan)	"	06	"
245.	800066	Clutch Assembly Solenoid	"	06	"
246.	8393784	Micro Switch	"	36	"
247.	8339375	Resistor	"	18	"
248.	038636	Spring Brush (FPM)	"	12	"
249.	8441833	Contact Assembly (RVR)	"	144	"
250.	8441833	Contact Assembly (P/C)	"	54	"
251.	8433751	Rectifier (RVR)	"	18	"
Lower Carriage					
252.	8339952	Traction Motor Noze Suspension Assy	"	18	OEM/ Pak Made/ After Market
253.	8107342	Traction Motor Noze Suspension Assy guid pins	"	06	"
254.	-	Traction Motor Rubber Boot	"	18	"
255.	8255138	Traction Motor Air Duct Wear Plate	"	12	"

Ser	Part No	Description	A/U	Imed Req	Remarks
256.	-	Axle Cap Bolt Large	"	12	"
257.	-	Axle Cap Bolt Small	"	12	"
258.	-	Pedestal Liner	"	48	"
259.	40010415	Gasket	"	36	"
260.	-	Gear Case Seal Inside	"	18	"
261.	-	Gear Case Seal outside	"	18	"
262.	-	Seal for Gear Box	"	36	"
263.	-	Dust Guard	"	24	"
264.	-	S.S Clump	"	36	"
265.	8486306	Gear Case Box upper half	"	06	"
266.	8301948	Gear Case Box Lower half	"	06	"
267.	-	Bushes for truck lever, shaft, hanger	"	150	"
268.	8235906	Break Head Assy	"	06	"
269.	-	Brake adjusted shaft bolts, nuts nad spring	"	12	"
270.	8235916	Brake Shaft Hanger pins	"	12	"
271.	8197691	Brake shaft hanger bush	"	60	"
272.	8197960	Brake shaft bush	"	40	"
273.	9334229	Brake block adjusting shaft/ slak adjusting Arm	"	06	"
274.	-	Brake Block adjusting shaft (Trunnion)	"	06	"
275.	8242352	Spacer Brake rigging	"	06	"
276.	9099651	Brake head assy	"	06	"
277.	8101916	Pin Assy (Brake Rigging)	"	12	"
278.	9565166	Magnees Steel Wear Plate for Bolster Friction end	"	36	"
279.	9565168	Magnees Steel Wear Plate for Bolster Friction end	"	24	"
280.	9565167	Magnees Steel Wear Plate for Bolster Friction end	"	24	"
281.	8268054	Magnees Steel Wear Plate for Bolster upper the bolster (pad)	"	12	"
282.	7493646	Magnees Steel axle box wear plate	"	72	"
283.	7493667	Magnees Steel axle box wear plate	"	72	"
284.	7493726	Magnees Steel axle box wear back plate	"	72	"
285.	-	Brake Shoe Holder	"	30	"
286.	8449066	Buffer Assy	"	06	"
287.	9557789	Traction Motor Axle Support Bearing	Sets	36	OEM
288.	9578681	Traction Motor Carbon Brushes	Nos	216	"
289.	9437296	Traction Motor Bearing P/End	"	18	"
290.	40087004	Traction Motor Bearing C/End	"	18	"
291.	7451292	Axle Bearing Inner Race	"	36	These parts will be awarded to lowest firm on total lowest price
292.	7451293	Axle Bearing outer Race	"	36	
293.	7451945	Bearing Roller	"	1008	
294.	7451944	Cage	"	12	
295.	7498210	Gasket (Shims for Axle box)	"	36	OEM
296.	186923	Bolt For Thrust Block	"	12	"
297.	7496440	Support Ring	"	12	"
298.	8232617	Axle Box Spring (Large)	"	24	"

Ser	Part No	Description	A/U	Imed Req	Remarks
299.	8232621	Axle Box Spring (Medium)	“	24	“
300.	8232622	Axle Box Spring (Small)	“	24	“
301.	7494211	Unit for Axle	“	36	“
302.	LDBJ001001	Axle Journal Box	“	06	“
303.	7492453	Axle Water Guard/Axle Mode Guard	“	18	“
304.	9085368	Center Pivot High pressure plate	“	06	“
305.	9330489	Center Half Ring	“	12	“
306.	8374373	Bolster Spring	“	32	“
307.	8252022	Bolster Plunger Spring	“	12	“
308.	8232135	Bolster Snubber plunger	“	24	“
309.	559547	Gasket Kit for A-9 Valve	“	10	“
310.	559549	Gasket Kit For SA-9 Valve	“	05	“
311.	8425858	Head Light Resistance	“	10	“
312.	9089189 / 19510129	Wheel Disc	“	120	“
313.	9501303 / 9575898 / (1002782 KORAIL)	Brake Shoe of special COBRA V523 (OEM)	“	500	“