

(5)

**HEAVY ELECTRICALS LIMITED, JHANSI
(WORKS ENGG. & SERVICES DEPTT.)**

Reconditioning/ Overhauling of 500 KVA DG Set

Spec.No: WEX/Recon./500KVA DG/9968-1/20-21

Dated: 01.07.20

Details are as below:

Equipment : TIL Make DG Set Model-3412.
Capacity : 500 KVA
Quantity : 01 No (M/c No: 9968-1).

Following supply/ work to be done for the reconditioning/Overhauling of one no 500 KVA, TIL Make DG Set.

1. SCOPE OF SUPPLY & WORK UNDER RECONDITIONING/OVERHAULING:

1.1 Scope of Supply:

Following spares of engine are required to be supplied to carry out the subject work: Refer Annex-1

1.2 Scope of Work:

Following work to be done to complete the reconditioning/overhauling of DG Set:

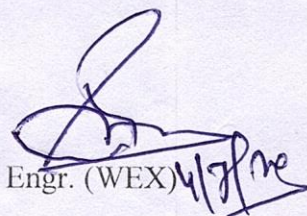
1. Engine dismantling, parts inspection, replacement & fitment of defective parts, cleaning & repair of sub assy.
2. Servicing of water pump, after cooler, oil cooler, turbocharger, radiator fan assy, fuel injection pump and all nozzles etc.
3. Testing/calibration of nozzles and fuel injection pump.
4. Cleaning of radiator (Internal & external).
5. Machining of 2 nos. cylinder heads including pressure testing, servicing and fitment of new parts.
6. Assembly of all parts, commissioning & load trial of DG set.

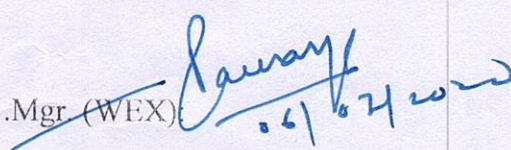
General:

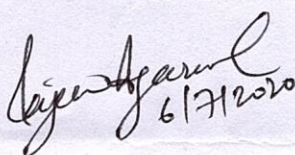
1. Reconditioning work will be done at BHEL, Jhansi, only the parts that need to be repair at vendors' workshop shall be allowed to send outside
2. Offer must be submitted with details in two parts :
 - i) Scope of supply complete with quantity.
 - ii) Scope of work.
3. Painting of the machine to be done after completion of work.
4. The DG Set should be proven on full load capacity after completion of work in all respect.

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5. One year guarantee for the reconditioning/overhauling work w.e.f date of machine handover to BHEL by the party.
6. Total work should be completed by the party in all respect within 30 days from the date of takeover the machine from BHEL.

Sr Engr. (WEX) 

Sr .Mgr. (WEX)  06/07/2020

AGM (WEX):  6/7/2020

BHARAT HEAVY ELECTRICALS LTD
P.O. BOX BHEL
BHEL 284129
JHANSI INDIA

Annex-1
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SR	PART NO	DESC	QTY
1	8L8500	BEARING	1
2	6I2137	BOLT-STOP	1
3	9M2904	CLAMP	4
4	5B9407	CM-HOSE	1
5	9Y9497	CONNECT	12
6	81530019	INTAC	10
7	6I0287	DOWEL	1
8	1R1808	FILTER As	8
9	1R0749	FILTER As	8
10	1939155	GASKET	1
11	1S6595	GASKET	2
12	1S4810	GASKET	2
13	1939155	GASKET	1
14	1S4295	GASKET	2
15	4N1156	GASKET	2
16	6N2508	GASKET	1
17	6N9461	GASKET	1
18	4N1870	GASKET	1
19	7N6531	GASKET	1
20	6L1597	GASKET	2
21	8C5059	GASKET KIT	1
22	8C3465	GASKET KIT	1
23	1609874	GASKET KIT	12
24	8T3374	GASKET KIT	1
25	6V9919	GASKET KIT	1
26	6V4540	GASKET KIT	1
27	8C4402	GASKET KIT	1
28	6I2139	GUIDE	1
29	4N2803	GUIDE-VALV	48


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30 7L7160
31 4N5962
32 1W5283
33 4N5893
34 9N6289
35 8C3463
36 1979322
37 2A4429
38 6N7818
39 4W7018
40 4W4794
41 1W8922
42 4F7390
43 1H1023
44 4N6404
45 3E4366
46 7N1017
47 6N7175
48 8C3100
49 5P8068
50 9L9098
51 4W3864
52 1S0004
53 8M5249
54 8J4351
55 6V4314
56 9M4849
57 9M9647
58 9M9647
59 6I3767
60 6I2138
61 4N6407
62 6N1777
63 6N6872
64 1083190
65 9W1077
66 1152367
67 1152368
68 4N8216
69 6N6653
70 6V5433
71 8T3385

HOSE 2
HOSE 1
INSERT 24
INSERT 24
KIT W/Pump 1
KIT-GASKET 1
LINER 12
LOCK 96
LOCK RING 1
NOZZLE AS 1
REGULATOR 2
RING 12
RING 3
RING 12
RING 1
RING 2
RING SET 1
ROTOCOIL AS 48
SEAL 1
SEAL 1
SEAL 12
SEAL GP 1
SEAL O RING 2
SEAL O Ring 12
SEAL-O-RIN 1
SEAL-O-RIN 1
SEAL-O-RIN 2
SEAL-O-RIN 2
SEAL-O RIN 2
SEAT SPRING 1
SPACER 1
SPOOL 1
SPRING 1
SPRING LIF 24
SWITCH 1
SWITCH AS 1
VALVE EXHAUST 24
VALVE INLET 24
VEE BELT 1
VEE BELT SET 1
FRONT GASKET KIT 1
REAR GASKET KIT 1

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