

## TENDER SCHEDULE

**Sub:-** Procurement of spares for various Electrical Wire Rope Hoist & overhauling of Electrical Wire Rope Hoist installed at Boiler of 1X500 MW Unit, SGTPS, MPPGCL, Birsinghpur.

Sl. No.	Particular (Supply Portion)	Item code	Qty.
<b>1</b>	<b>Spares for Mill Hoist Assembly Model-4E1506MD(HW10409),CAPACITY-15 T</b>		
1.01	WIRE ROPE 16MM DIA (81MTRS)	Z7222063616	2 nos.
1.02	CT MOTOR ALONGWITH GEAR BOX & BREAK ASSEMBLY	1151001	2 nos.
1.03	RECTIFIER ASSEMBLY FOR MAIN HOIST SUITABLE FOR VOLTAGE-130 VOLT	Z9702010035	12 nos.
1.04	PENDENT PUSH BUTTON- 06 NOB WITH 10 MTR. CABLE	Z9601530036	4 nos.
1.05	PENDENT PUSH BUTTON- 04 NOB WITH 10 MTR. CABLE	Z9601530004	10 nos.
1.06	LT MOTOR ASSEMBLY ALONGWITH GEAR BOX & BRAKE ASSEMBLY.	W0042/CM	4 nos.
1.07	CONTROL PANEL ASSEMBLY (MH & CT)	CPMD/DC	2 nos.
1.08	CONTROL PANEL FOR LT	NA	2 nos.
1.09	CONTROL PANEL CT	CP-0.9-1	6 nos.
1.10	POWER CABLE FOR MAIN HOIST (6 SQ. MM X4 CORE)	NA	300 meter
1.11	SAFE TRACK DSL SYSTEM ALONGWITH BRACKET,HANGER, CLAMP AND SET OF CURRENT COLLECTOR CONSIST OF (I) DSL SYSTEM WITH BRACKET & HANGER CLAMP, 95 MTR. (II) SET OF CURRENT COLLECTOR CONSIST OF 04 NOS. (RYBN)	NA	1 no.
1.12	POWER CABLE FOR LT (2.5 SQ. MMX 4 CORE)	NA	300 meter
1.13	SPRING FOR CABLE REELING DRUM ASSEMBLY	NA	4 nos.
1.14	SAFETY LATCH	NA	2 nos.
1.15	STUD FOR LOAD HOOK	NA	4 nos.
1.16	ROPE CLAMP	Z6001000016	2 nos.
1.17	CONTROL TRANSFORMER 500 VA	Z9725110211	2 nos.
1.18	BRAKE ASSEMBLY SLDC-230	107230	2 nos.
1.19	ROPE FOR PENDENT	NA	250 meter
1.20	SET OF GUIDE RING AND RETAINING RING	D4447000060	2 nos.
<b>2</b>	<b>SPARES FOR SECONDARY APH HOIST ASSEMBLY ( MODEL-5E202MD, III),CAPACITY- 2 T</b>		
2.01	BRAKE ASSEMBLY	007170-L	1 nos.
2.02	ROPE DRUM ASSEMBLY	30221SM12	1 nos.
2.03	TRAVELLING ASSEMBLY	NA	1 nos.
2.04	ROPE CLAMP	NA	2 nos.
2.05	CT MOTOR ALONGWITH GEAR & BREAK ASSEMBLY	6701083114	1 nos.
2.06	BRAKE COIL	X2007170560	2 nos.
2.07	WIRE ROPE 10 MM DIA (77 MTRS)	X7102260260	1 nos.
2.08	SAFETY LATCH	NA	2 nos.
2.09	CONTROL PANEL WITH ACCESSORIES	CP3P5HPMD ST	1 nos.
2.10	CONTROL TRANSFORMER 250 VA	Z9300000250	1 nos.
2.11	CABLE TROLLEY	10	20 nos.
2.12	RECTIFIER ASSEMBLY	Z9702010035	2 nos.
2.13	SET OF GUIDE RING AND RETAINING RING	4247000060	2 nos.
<b>3</b>	<b>SPARES FOR PA &amp; FD FAN MOTOR HOIST ASSEMBLY (MODEL- OPEN WINCH HOIST, LIFT 5.8 MTR., CAPACITY-17.5 T)</b>		
3.01	LIMIT SWITCH UP/DOWN	NA	2 nos.
3.02	LIMIT SWITCH CT	NA	2 nos.
3.03	COUPLING SPIDER	NA	2 nos.
3.04	BRAKE COIL	X2007230562	1 nos.
3.05	FRICTION DISC	X9007230160	1 nos.
3.06	ROPE CLAMP	NA	15 nos.
3.07	WIRE ROPE 16 MM DIA (133 MTRS)	Z7222163616	1 nos.
3.08	ROPE PULLEY	X2032011540	1 nos.
3.09	C/W GRAVITY LIMIT SWITCH	Z9720210262	2 nos.
3.10	GT WHEEL ASSEMBLY	4409342.G	2 nos.
3.11	PT WHEEL	4409342-P	2 nos.
3.12	CT BRAKE	2071503	2 nos.
3.13	HOIST BRAKE SLDC 230	107230-7	2 nos.
3.14	ROTARY LIMIT SWITCH	Z9729211263	2 nos.
3.15	TRUSTER 200 DIA	NA	2 nos.
3.16	CONTROL TRANSFORMER 300 VA	Z9725110211	2 nos.
3.17	TROLLEY	10	60 nos.
3.18	CHAIN, SIZE:5 MM	40	150 meter

3.19	RECTIFIER ASSEMBLY	Z9702010035	2 nos.
<b>4</b>	<b>SPARES FOR PA &amp; FD FAN ROTOR HOIST ASSEMBLY (MODEL-3H604MD,TYPE-IV,CAPACITY-6 T)</b>		
4.01	COUPLING SPIDER	NA	1 no.
4.02	WIRE ROPE 12 MM DIA (57 MTRS)	Z7222063612	1 nos.
4.03	COUPLING ASSEMBLY	5291	1 nos.
4.04	BRAKE ASSEMBLY MH	107230-1	4 nos.
4.05	CT BRAKE ASSEMBLY	Z2071501	2 nos.
4.06	PENDENT PUSH BUTTON 6 KNOB	Z0120000010	4 nos.
4.07	HOIST MOTOR	00528IRL	1 nos.
4.08	ROPE CLAMP	Z6001000016	2 nos.
4.09	SAFETY LATCH	NA	2 nos.
4.10	DSL SYSTEM WITH BRACKET	NA	25 meter
4.11	CURRENT COLLECTOR	NA	4 nos.
4.12	CONTROL TRANSFORMER 300 VA	Z9300000300	1 nos.
4.13	TROLLY	10	60 nos.
4.14	CHAIN, SIZE:5 MM	40	150 meter
4.15	RECTIFIER ASSEMBLY	Z9702010035	2 nos.
4.16	SET OF GUIDE RING AND RETAINING RING	D4347000060	4 nos.
<b>5</b>	<b>SPARES FOR ID FAN ROTOR &amp; MOTOR HANDLING HOIST CAPACITY 35 TON</b>		
5.01	HOIST BRAKE SLDC-230	107230-7	2 nos.
5.02	CT BRAKE	Z2071501	2 nos.
5.03	THRUSTER BRAKE 200 DIA	NA	2 nos.
5.04	C/W LIMIT SWITCH	Z9720210262	2 nos.
5.05	HOIST LIMIT SWITCH UP/DOWN	NA	2 nos.
5.06	CT LIMIT SWITCH	NA	2 nos.
5.07	SAFETY LATCH	NA	2 nos.
5.08	ROPE CLAMP	NA	2 nos.
<b>6</b>	<b>Work Portion for Overhauling of Existing hoists:-</b>		
6.1	OVERHAULING OF HOISTS, CAPACITY 1 TON TO LESS THAN 3 TON (SAPH HOIST MODEL-5E202MD-III , PAPH HOIST MODEL-4E202MD-III)	NA	3 job
6.2	OVERHAULING OF HOISTS, CAPACITY 3 TON TO LESS THAN 5 TON (ESP HOIST MODEL-6E302MDN)	NA	2 job
6.3	OVERHAULING OF HOISTS, CAPACITY 5 TON TO LESS THAN 10 TON (PA&FD ROTOR HOIST MODEL-3H604MD,TYPE-IV)	NA	3 job
6.4	OVERHAULING OF HOISTS, CAPACITY 10 TON TO LESS THAN 25 TON ( MILL HOIST Model-4E1506MD(HW10409), PA & FD MOTOR HOIST MODEL- OPEN WINCH HOIST, LIFT 5.8 MTR.)	NA	6 job
6.5	OVERHAULING OF HOISTS, CAPACITY 25 TON TO LESS THAN 40 TON (ID ROTOR& MOTOR HOIST MODEL-35 TON,TYPE-V)	NA	2 job

**Note for supply portion: -**

1. Fitment guarantee of the above spares is essentially required to be furnished by the firm.
2. At the time of delivery of material, firm shall submit proof of dispatch of material from OEM's Factory store/ warehouse/Ancillary to our O&M: Store along with Guarantee /Warrantee certificate of OEM i.e. M/s Consolidated Swift Industries Ltd..

**SCOPE OF WORK:**

1. Take permission from site in-charge then examining the Hoist.
2. Remove the hoist from existing position.
3. Shift the hoist to service yard.
4. Dismantling of hoist completely and cleaning of all the parts including wire rope, rope drum, hook block assembly, bearing Plates etc. dismantle gearbox completely and check all parts.
5. Check the bearings, seals, wire rope drum, hoist rope, pulley block, hook, limit switches etc. and replace if any damage found.
6. Change grease of gearbox of hoist, travel motor & cross travel unit, service cable, trailing cable, fasteners, fuse, MCB for defect and rectify defect. Perform motor insulation test.
7. Check cable trolley and rectify if any defect found.
8. Replacement of DSL system completely & current collector with existing old damaged cable trolley.
9. Checking of current collectors, greasing of roller drum bearings, clean guide ring and lubricate wire ropes, checking of break assembly completely ring & retaining ring, grease all moving parts of magnet lifting lever.
10. Checking and inspection of control panel, push buttons, main hoist motor, cross travel & long travel motors and replace defective spares. Adjustments for machine, motor controller & guides remote operation,

leveling, alignment of rails etc. at all landings and positions. Checking & replacement of power & control wires checking, electrical and electronic component which includes contactors/ contacts, relays, pendant push button, etc. Replacement of damaged / worn out parts if any found damaged during inspection.

11. Repairing/welding of any weakened structure pertaining to hoist and its mounting. Installation/repair of mechanical stoppers used for travel limits.
12. Assembly of all dismantled part of hoist properly. Check that all the fasteners are tightened properly. Use sufficient grease/lubricants during assembly. Required lubricants shall be supplied by MPPGCL free of cost.
13. Erection & commission of hoist over rails after repairing and alignment of rails.
14. Check proper operation of break assembly. Take trial run of the hoist by lifting of safe working load and movement of the hoist. Load test of the hoist after commissioning with load available at site.
- 15. Contractor shall submit load test certificate of each hoist issued by competent authority / chartered engineer for safety purpose every six months.**
16. All spares shall will be provided by MPPGCL.
17. Supply of cleaning materials like marking cloth, diesel, jute, contact cleaner are in the scope of contractor.
18. Firm has to complete the work of hoist overhauling within 20 days from the date of handing over of each hoist.

**TERMS & CONDITIONS:**

1. The technician must have sufficient knowledge of maintenance of SWIFT make electrical hoist and service representative must be able to take all the decision for successful completion of work.
2. The firm has to arrange manpower and tools within the 72 Hrs after the intimation. Site shall be handover to the contractor as per the availability.
3. No guarantee to provide free accommodation, it depends on availability of room in guest house on chargeable basis.
4. For servicing of the above mentioned Hoist a check list has to be followed and is to be signed by site-in-charge after completion of job.
5. All hoists should be examined by respective Engineer in charge (EIC) and contractor personnel jointly after completion of work and record shall be maintained.
6. All T&P, welding machine, cutting set, chain pulley block and labour for assistance required for subject works shall be in the scope of Contractor.
7. The defect liability period shall be 12 months from date of completion of work, if any fault arise firm has to attend free of cost within 3 days from date of intimation.
8. In case of any accident, contractor shall bear all the liabilities for medical treatment of its service personnel and other compensation against statutory obligation.
9. All safety equipments & appliances shall be provided by the contractor to their workers/employees.
10. Firm has to supply the material at O&M Store-II.
11. Payment shall be made on actual basis after the successful completion of work & payment for supply portion shall be made within 45 days or in queue whichever is earlier after receipt of MRC.

**Superintending Engineer (P&W)  
SGTPS, MPPGCL, BIRSINGHPUR**