

## **LIST OF CATEGORIES AND JOBS UNDER GROUPS –A,B&C**

*(Separate Applications are to be submitted for enlistment in each group)*

<b><u>Sl. no</u></b>	<b><u>Categories</u></b>	<b><u>Code</u></b>	<b><u>GROUP-A (for Smelter only)</u></b>	<b><u>GROUP-B (for CPP only)</u></b>	<b><u>GROUP-C (applicable to both Smelter and CPP)</u></b>
<u>1</u>	<u>CIVIL</u>	<u>CIV</u>	1. R&M of railway tracks	1.Assembly of Dredger parts, operation & maintenance of dredger on the river bed & disassembly (including painting of parts & storing)	<ol style="list-style-type: none"> <li>1. Construction and R &amp;M of Buildings</li> <li>2. Fabrication, Erection, Maintenance &amp; painting of steel structures</li> <li>3. Construction, R &amp; M of Roads / drains.</li> <li>4. Roof treatment work/ water proofing works (old /new)</li> <li>5. Interior works like tile fixing, false ceiling/ wall paneling.</li> <li>6. Repair &amp; maintenance of Earth works including Ash pond, embankments, and Reservoirs etc.</li> <li>7. Painting of buildings</li> <li>8. Sheeting / cladding works</li> <li>9. Water supply works including piping, plumbing jobs etc</li> <li>10.Miscellaneous, jobs like grass cutting/ micro grading etc</li> </ol>
<u>2</u>	<u>C&amp;I/ SYSTEMS</u>	<u>CNI</u>	<ol style="list-style-type: none"> <li>1. R&amp;M Process control Equipment's of different makes used in Alluminium smelter and its accessories;</li> <li>2.Testing &amp; Calibration of weighing scales/ weigh bridges</li> </ol>	Repair of <ol style="list-style-type: none"> <li>1.telecom cards,</li> <li>2.HEA (high energy arc),</li> <li>3.DAS (Data acquisition system)</li> <li>4.ATRS/FSSS cards</li> <li>5.Miscellaneous C&amp;I jobs</li> </ol>	<b>Installation, testing, R&amp; M of :</b> <ol style="list-style-type: none"> <li>1.Field instruments related to temperature, Pressure, Transmitters etc including calibration.</li> <li>2. PLC system of various makes;</li> <li>3. Telecom System including Exchange of various makes;</li> <li>4. PCs, Printers, servers, LAN System etc</li> <li>5.UPS upto 50 kva /battery chargers</li> </ol>
<u>3</u>	<u>ELECTRICAL</u>	<u>ELC</u>	1.Thermo graphic survey in substations	<ol style="list-style-type: none"> <li>1. RLA (Residual Life Assessment) study of, CTs &amp; transformers</li> <li>2.overhauling of turbo-generators</li> <li>3. overhauling of electrical actuators</li> </ol>	<b>Installation, R&amp;M of :</b> <ol style="list-style-type: none"> <li>1. 220kvSwitchyard, Transmission line, including new works;</li> <li>2. 33kv/11kv systems , circuit breakers, isolators, including new works ;</li> <li>3. Illumination/House wiring including laying of HT/ LT, power /control cable etc</li> <li>4. Handling, overhauling of Motors up to 11kv</li> <li>5. Rewinding of Motors up to 11kv./6.6kv/415v</li> <li>6. PCC, MCC, Control Panel including circuit breakers</li> <li>7. Power and distribution Transformers upto 220kv;</li> <li>8. Testing of transformer oil,</li> <li>9. passenger-cum materials lifts of different makes</li> <li>10. Batteries of different makes</li> </ol>

4	<u>MEC</u> <u>HANI</u> <u>CAL</u>	<u>MEC</u>	Erection, Testing, and R&M of : 1.Mechanical Rotating equipment's like Industrial Fans, Blowers, Ducting, Piping, exhaust systems, crushers, pumps, etc used in CARBON anode making Area/ Cast House/ Pot lines / strip casting plant of Aluminum Smelter plant. 2. EOT cranes, Overhead Pot Tending Machines. 3.Hydraulic System  4.turning/ machining of strip castor rolls 5.Machining, Chamfering, jobs 6.Welding of ANODE Bar / Aluminum Bus Bar, Repair of clads. 7. Servicing of strapping machines.	Maintenance / Overhauling of 1.Coal fired Boilers/ 2. ESP/ 3. fuel firing 4.steam Turbines 5.Bowl Mills, 6.Repair & Replacement of PF line bends including modifications of bowl mills 7.Rotating Equipment like ID/ FD fan 8. Critical pumps, 9. Ash handling equipments 10.water treatment plant equipments 11.Coal handling equipments 12.Rubber Lining of vessels, pipes, etc 13.Spray Insulation of Turbine 14.FRP Lining Works, Epoxy coating, Ceramic tile lining 15.Hydra jet Cleaning of Boiler & Turbine 16.Chemical Cleaning Works of Compressor & Condenser 17. Hard facing of Coal nozzle tips 18. On line leak sealing of steam lines 19.Reconditioning of Mechanical Seals/ Re-babbiting of Bearings 20.Servicing of Vapor absorption Machines 21. R&M of Auto Electrical parts 22.Residual Life Assessment of Boilers	Erection, Testing, and R&M of 1. Conveyor system/ feeders/ crushers 2.Repair of Vehicles 3.Thermal/ cold Insulation Work 4.Overhauling of Cooling Towers equipments 5.Loads testing of cranes and hoists 6. Servicing, of heavy mobile equipment like, dozers, mobile cranes, hydras, forklifts, etc.
5	<u>REFR</u> <u>ACTO</u> <u>RY</u>	<u>REF</u>	1. All kinds of Refractory lining		
6	<u>OPE</u> <u>RATI</u> <u>ON</u> <u>ASSI</u> <u>STAN</u>	<u>OPN</u>	1.Flue Wall Cleaning, Coke Packing into furnaces, Bath Crushing, Stripping of carbon-anode Butts, Recycling of Reject Anodes and other jobs related to	1. Operational assistance in CHP 2. Coal Bunker de-arching & assistance  3. Chemical Handling & Operation	1.Unloading of HFO tankers / BTAP wagons/ coal wagons 2. Equipment cleaning 3.Assistance in running of pump houses 4. Collection and Shifting of fallen bath materials/debris/coal mill rejects

	<u>CE</u>		oil fired Baking Furnaces/ Bake/Ovens used in production of Carbon Anodes in aluminum smelters.  2.Assistance in casting of Aluminum Hot metal into Ingots & SOW Mould / Melting of Scraps in Oil Fired Furnace / Induction Furnace. 3.Stacking/Strapping / packaging of Ingots, strip coils, wire rod coils etc.  4. Operation of heavy technological vehicles like hot metal/ anode transport vehicles, hydra, trucks, tippers, forklifts, cranes etc	support	
<u>7</u>	<u>HOR TI- CULT URE</u>	<u>HRT</u>			All kinds of Horticulture work including development of new lawns/gardens/plantation and maintenance of existing gardens/ lawns/shrubs/plants
<u>8</u>	<u>MISC WOR KS</u>	<u>MIS</u>	.	1. Operation of Coal rakes from coal mines to CPP 2. Energy Audit 3. Allotment of kiosks 4. Rate Contract for Travel agency	1.Sanitary & Conservancy 2.Development and Digitization of Drawings. 3.Mosquito control/ rodent control/ anti - termite treatment works. Manpower assistance for electrical, mechanical, control system jobs 4. Repair of Furniture 5. maintenance of Ammonia printing machine, photo copying machine etc 6.Lettering & painting. 7.Hiring of Vehicles 8.Photocopy Contract 9.Courier service 10.Water sprinkling in Ash Pond/ plant area 11. Book Binding Works 12. Sprinkling/ spraying of water in ash pond/ plant area
<u>9</u>	<u>HOU SE KEEP ING</u>	<u>HKG</u>			1. House keeping activity in plant areas/ township including removal of debris to specified locations
<u>10</u>	<u>AIR COND ITIONI NG/ VENTI LLATI ON</u>	<u>ACV</u>			1. Installation, R&M of Central Air Condition, Package A/C, & window/ split A/Cs. 2.Fabrication, erection ,R&M of ducts of different sizes of Ducts

11	MATE RIAL HAN DLIN G JOBS	MHJ			1. Handling, loading / unloading, shifting, transportation anywhere inside the plant/ outside the plant of all kinds of materials including metal product/ stores/ scraps/ rejects etc.
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- LEGENDS:**
- i) R&M=REPAIR AND MAINTENANCE;
  - ii) KV=KILOVOLTS;
  - iii) HT=HIGH TENSION;
  - iv) LT=LOW TENSION;
  - v) PCC=POWER CONTRPL CENTRE;
  - vi) MCC=MOTOR CONTROL CENTRE;

