

<b>1.0</b>	<b>BHEL SCOPE OF WORK:</b>
1.1	Relevant drawings will be provided by BHEL with work assignment/Annexures.
1.2	BHEL will provide Space for working in shop floor suitable to work load.
1.3	Shearing Machine as per schedule for cutting of aluminum sheet.
1.4	Radial drill machine as per schedule.
1.5	Bending machine as per schedule for bending of SPBD enclosure.
1.6	Fork Lift/Hydra with driver only as & when necessarily required for handling/shifting of ducts and raw material to bring it to work area of contractor and take the finished jobs out of the work area.
1.7	Raw Material will be issued vide SIV (Store Issue Voucher) from PDN Deptt. to Contractor as per the targeted requirement & receiving from contractor to be given to same SIV with sign and stamp of their company.
1.8	Electricity- Electrical Points as available in work area which will be free of cost.
1.9	Filler Wire & Spool- Required quantity with the assigned work.
1.10	Argon Gas and compressed Air- Required quantity with the assigned work.
1.11	Radiography Test/DP Test to be performed on the offered welded joints. Test kits will be provided by BHEL.
1.12	Target completion will be mutually agreed with every assignment given by BHEL. In case any requirement to compress the schedule of activities to achieve project completion, BHEL decision in this regard will be final and the issue will not be open to arbitration.
1.13	Work assignments from BHEL will be communicated through email/hard copy as per the BHEL turnover targets.
1.14	All consumables of hand grinder, jig saw, circular saw, chop saw blade, drilling machine like drill bits, jig saw / circular saw blades, sanding sheets, grinding wheels, Copper Tip, hand gloves etc. - Required quantity with the assigned work will be provided by BHEL.
1.15	With the increased loading of ducts and after meeting basic requirement of machines, hand tools & safety PPEs by contractor as per the contract if the need arises to meet BHEL's turnover/urgent requirements, BHEL may issue its own machine, hand tools and safety equipment's on chargeable basis as per annexure- T-I Dt: 31.05.20019 for the equipment, T&P hired. BHEL decision to issue equipment's will not be open to arbitration. Such hiring charges will be deducted from the upcoming bills of contractor, based on BHEL issue & return forms.

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**Annexure-A****BHEL & CONTRACTOR'S SCOPE OF WORK**

<b>CONTRACTOR SCOPE OF WORK:</b>	
<b>2.0</b>	<p>Following machine and hand tools are mandatory and to be arranged by sub contractor:-</p> <p><b>Machines:-</b></p> <ol style="list-style-type: none"> <li>1. MIG Welding machine (300 to 500 Amps or above rating )-2 no's.(Minimum)</li> <li>2. TIG Machines (300 to 500 Amps or above rating )- 1 no. (Minimum)</li> </ol> <p><b>Hand tools:-</b></p> <ol style="list-style-type: none"> <li>1. Jig saw machine-2 no's.(Minimum)</li> <li>2. Circular saw machine-2 no's.(Minimum)</li> <li>3. Hand Grinder-2 no's. small size(Minimum)</li> <li>4. Hand Grinder-1 big size</li> <li>5. Hand Drill Machine-2 no's .(Minimum)</li> <li>6. Hammer Drill machine- 32 mm dia No</li> <li>7. Chop saw machine(14inch)-1 No</li> <li>8. All other measuring and marking tools.</li> </ol> <p><b>Safety Equipment: -</b></p> <p><b>2.1</b></p> <ol style="list-style-type: none"> <li>1. Welding Helmet – 5 nos.</li> <li>2. Leather apron &amp; welding gloves for Welder</li> <li>3. Dongry - All workers</li> <li>4. Safety Helmet - All workers</li> <li>5. Safety Shoe- All workers</li> <li>6. Nose Mask- All workers</li> <li>7. Ear Muff- All workers</li> </ol> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. Cost of maintenance for their machines and hand tools will be borne by subcontractor. Contractors can use their own letter head/format on their letter head to take out their machines/hand tools for repair outside the plant on returnable basis verified by Executive of PDN Deptt.</li> <li>2. No hand tools and safety equipment shall be provided by BHEL.</li> <li>3. Cost of safety helmet &amp; safety shoe with 10% admin charges will deducted from contractor bill, if not provided within the one week of mobilization.</li> </ol>
<b>2.2</b>	Depute Sufficient trained & experienced, highly skilled & skilled manpower which includes Engineers, Supervisors, Safety Supervisor, Fitters, and Aluminum Welders to complete the assigned work in line with the fabrication schedule as mentioned at Annexure-C-SCC, Sl. 7: LD clause.
<b>2.3</b>	<p>Aluminum welders should be NTPC/Lloyd/BHEL qualified as per following documents:</p> <p>Procedure Qualification Record: PQR:AL:GTAW:00 &amp; PQR:AL:GMAW:00</p> <p>Welding Procedure Specification: WPS:AL:GTAW:00 &amp; WPS:AL:GMAW:00</p> <p>Only certified welders will be allowed for welding on ducts. List of such welders with their welder code allotted by BHEL should be given to production &amp; quality department of BHEL-Rudrapur.</p>
<b>2.4</b>	Aluminum Welding is to be done as per Approved WPS (Welding Procedure Specifications).

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2.5	Contractor has to obtain one-time worker compensation policy upon receipt of LOI/WO for gate pass processing.
2.6	All the contractor's employees will be issued photo gate pass. Cost of preparation of gate pass will be borne by contractor. Without WC Policy, no gate pass would be issued.
2.7	Attendance register will be available at Main gate of Plant and daily attendance will be registered there.
2.8	All the PPE's for employees at work is provided by the contractor. PPE's like safety shoe, safety belts, helmets, welder's glass; welders shield etc is required to be used during execution of work inside BHEL, CFP, and Plant.
2.9	All the statutory obligations like PF Challan (if applicable), ESI Challan (if applicable), Wages Record, Labour licensee copy (if required), WC Policy-One Time, Service Tax Challans, Certificate regarding compliance to Labor Act for maintaining records required as per the law, Certificate for compliance to safety norms and other statutory papers, if required is in the scope of contractor and BHEL's will not be held responsible for any non-compliance issues. Failure to do so will result in hold of payment of contractor.
2.10	Safety at work will be ensured by Contractor and BHEL will assist, if required.
2.11	Contractor has to maintain scraps as per system defined by BHEL from time to time. Aluminium chips (Gray bins), Offcuts (Sky Blue bins), Al Dust (Black Bins) are to be segregated at source(SAS), bins weighed for returning it to central stores through scrap disposal note(SDN) processed through production department. There is a provision of penalty of minimum Rs. 500/- per instance at source(SAS) if scrap separation is not found in order.
2.12	In case of compression of fabrication schedule to meet align with BHEL targets contractor has to increase manpower, machines, Hand tools to meet the same.
2.13	<p>Guideline for COVID-19/Pandemic situations:</p> <ul style="list-style-type: none"> <li>■ In the given pandemic situation, prevailing here and in India, it is utmost necessary to take proper safety precautions by wearing of nose &amp; mouth mask, hand gloves/ washing hands frequently, maintaining minimum 2 feet social distancing during work and health check-up from time to time. This will ensure safe working environment for individual and co-workers. Furthermore, any Government guidelines issued from time to time may be adhered in order to overcome the pandemic situation.</li> <li>■ Use of Arogya Setu App is mandatory on individuals mobile who are entering plant premises. Any guidelines issued in this connection by BHEL, will be acceptable to individuals entering the plant.</li> </ul>

(Signature of bidder with seal)

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