

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

Indent no. 20230138 DT:01.09.2023

1.0	BHEL SCOPE OF WORK:
1.1	Relevant drawings will be provided by BHEL with work assignment.
1.2	BHEL will provide Space for working in shop floor.
1.3	Three roll/Section bending & four-roll machine as per schedule will be provided by BHEL with operator, for rolling of aluminum sheet. Contractor has provide assistance to operator for loading and unloading.
1.4	Shearing Machine as per schedule for cutting of aluminum sheet.
1.5	Radial drill machine as per schedule for making hole.
1.6	Fork Lift, Hydra with driver, 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 through SIV (Store Issue Voucher) from PDN Deptt. to Contractor as per the targeted requirement, which needs to be received & signed on SIV by contractor.
1.8	Electricity- Electrical Points as available in work area.
1.9	Filler Wire & Spool- Required quantity with the assigned work.
1.10	Argon Gas and compressed Air as per requirement of work.
1.11	Radiography Test/DP Test to be performed on the offered welded joints. Test kit 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, 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, 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 existing rules of hiring prevalent in BHEL for the equipment's. 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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2.0	CONTRACTOR SCOPE OF WORK:
2.1	Following machines and hand tools are mandatory and are to be arranged by sub contractor:- Machines:- 1. MIG Welding machine (-300 to 500 Amps or above rating)-2 no's.(Minimum) 2. TIG Machines (300 to 500 Amps or above rating)- 1 no. (Minimum) Hand tools(As per requirement):- 1. Jig saw machine 2. Circular saw machine 3. Hand Grinder 4. Hand Grinder(big size 7") 5. Hand Drill Machine 6. Drill Bits of different size as per requirement. 7. All other measuring and marking tools. Safety Equipment (for all worker) :- 1. Welding Helmet to welder 2. Dangry 3. Safety Helmet 4. Safety Shoe 5. Nose Mask 6. Ear Muff Note: 1. Cost of maintenance for their machines and hand tools will be borne by subcontractor, 2. No hand tools and safety equipment shall be provided by BHEL.
2.2	Depute Sufficient Skilled, semi-skilled and unskilled manpower which includes helpers and cleaners to complete the assigned work.
2.3	Aluminum welders should be NTPC/Lloyd/BHEL qualified as per following documents: Procedure Qualification Record: PQR:AL:GTAW:00 & PQR:AL:GMAW:00 Welding Procedure Specification: WPS:AL:GTAW:00 & WPS:AL:GMAW:00
2.4	Aluminum Welding is to be done as per Approved WPS in accordance with ASME Sec IX (Welding Procedure Specifications).
2.5	Contractor to obtain one-time worker compensation policy to be obtain upon receipt of LOI/WO. This is required to mitigate any unwanted miss happening/injury/death at workplace to compensate worker.

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2.6	All the contractor's employees will be issued photo gate pass. Cost of preparation of gate pass will be borne by contractor.
2.7	Contractors has to register their employees in BHEL biometric system for daily attendance.
2.8	All the PPE's for employees at work is provided by the contractor. PPE's like safety shoe, Ear muff, Nose Mask, helmet, 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), 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	Contractor will ensure safety at work 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 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	Contractor has to follow IPBD fabrication procedure as per (C) of Annexure-E.
2.14	Guideline for COVID-19/Pandemic situations: ■ In the given pandemic situation, prevailing here and in India, it is utmost necessary to take proper safety precautions by wearing of nose & 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. ■ 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. ■ To make the workplace safe, all the contractor's workers are required to get vaccinated before preparing gate passes.

(Signature of bidder with seal)



1/09/23

