

**STEEL MELTING SHOP  
CFFP-BHEL, HARIDWAR**

**EXPRESSION OF INTEREST (EOI) FOR WORKS CONTRACT ON  
STEEL SCRAP PROCESSING AT SMS**

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**Venue of submitting the offer: Centralized Tendering Room, CFFP, BHEL, Haridwar**

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**(A) Description of Works contract on scrap processing**

**Description of work:**

**Part-1: Recovery of Metal from Skull, slag, sizing and shifting of recovered Metal, sizing & shifting of shop returns, excluding Universal scrap.**

**Part-2: Processing of Universal Scrap (scattered around & current arisal ) and rejected cast Iron mold.**

**Scope of Work for Part-1:**

1. Loading & shifting of skull, & slag scattered around CFFP's premises to processing area up to a lead distance of 1.5 km. approx. one way.
2. Removal, loading and shifting of hot slag, slag and skull generated from electric arc furnace and tapped in slag tapping side and pit side within a lead of 1.5 km approx. one way to processing area.
3. Loading and shifting of returns/off-cuts of forging, casting and machined items from shops (Forge, Steel Foundry, Light Foundry, Machine Shop, Test Lab) to processing area with in a lead distance of 1.5 km approx. one way.
4. Loading and shifting of refractory debris from SMS Pit Side and Furnace side to designated area within a lead of 1.5 km approx. one way.
5. Processing of old accumulated skull, slag & slag and slag of each category for recovery of metal and sizing of metal to chargeable size of 300 kg maximum by single piece weight and each side not exceeding 250 mm. Processing and sizing shall be by balling, gas cutting, lancing, sweeping etc.

## **Annexure-1**

6. Processing of freshly-generated skull, slag & slag and slag of each category for recovery of metal and sizing of metal to chargeable size of 300 kg maximum by single piece weight and each side not exceeding 250 mm. Processing and sizing shall be by balling, gas cutting, lancing, sweeping etc.
7. Sizing of returns/off-cuts to chargeable size i.e. 300 kg maximum by single piece weight and each side not exceeding 250 mm.
8. Loading and transportation of recovered & sized metal and sized returns as per clause 1.5 to 1.7 above to SMS Scrap bay or earmarked location after weighment at BHEL's weighbridge inside plant premises up to a lead distance of 1.5 km approx. one way.
9. Loading and transportation of reasonably metal free residual and un-useful slag, if required, from processing site to facilitate space to receive incoming scrap and slag for further processing, to some earmarked location upto a distance of 1.5 km approx. one way.

### **Scope of work for Part-2**

1. Loading & shifting of existing universal scrap and cast iron mould scattered around CFFP's premises to processing area upto a lead distance of 1.5 km approx. one way.
2. Unloading of current arrivals of universal scrap at processing area from the truck.
3. Sizing of universal scrap by balling to chargeable size of 300 kg maximum by single piece weight and each side not exceeding 250 mm.
4. Processing of rejected cast iron mould to chargeable size of 300 kg maximum by single piece weight and each side not exceeding 250 mm by balling.
5. Loading and shifting of sized universal scrap and cast mould as per clause 2.3 & 2.4 to SMS bay or earmarked location after weighing inside plant premises, within a lead distance of 1.5 km approx. one way.

**Mode of payment:** Payment on Rate (Rs./MT) of Quantity of final Processes steel scrap shifted to shop for melting.

**Annual Quantity of final Processed Scrap:** Approximately 28000 MT (Total of part 1 & 2)

### **Equipments currently deployed:**

1. Magnet crane (HM101 40MT capacity) : 2 no.s
2. Articulated crane (HYDRA-12T) : 1 no.
3. Dozer (D155 - 50T capacity): 1 no.
4. Excavator (Capacity 1Cum) : 1 no.
5. Wheel loader (Bobcat –Capacity 0.5cum) : 1no.
6. Trailer/Truck (Capacity - 20T) : 1 no.
7. Tipper : 2 no.
8. Tractor trolley : 1no.
9. Shearing Machine : 1 no.
10. Oxygen lancing & Gas cutting auxiliaries.
11. Manpower : Approximately 80 No.s

**Documents to be submitted by the party/contractor**

Interested party/ contractor who have experience and capable to do work as mentioned above has to submit following documents:

1. Details of contract of steel scrap processing presently running in steel plants.
2. Quantities of annual scrap quantity processed by the party/contractor in various steel plants.
3. Past five years experience of scrap processing work executed in various steel plants.
4. List of Capital equipment available with the party/contractor.
5. Manpower strength available with the party/contractor which are deployed at current ongoing projects.
6. Annual turnover.
7. List of machinery that will be deployed by the party/contractor for the above described scrap processing & shifting work at CFFP (both for Part 1 and 2).
8. Other credentials available with the party/contractor.