



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2024/B/5563045  
Dated/दिनांक : 30-10-2024

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	21-11-2024 21:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	21-11-2024 21:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Mines
Department Name/विभाग का नाम	Na
Organisation Name/संगठन का नाम	Jawaharlal Nehru Aluminium Research Development And Design Centre (jnarddc)
Office Name/कार्यालय का नाम	West
Item Category/मद केटगरी	Custom Bid for Services - CONSULTANT AGENCY FOR PREPARATION OF VISION DOCUMENTS ON CIRCULAR ECONOMY IN NON FERROUS METALS IN INDIA
Similar Category/समान श्रेणी	<ul style="list-style-type: none"><li>Empanelment of Consultants/Service Providers</li><li>Hiring of Consultants - Milestone/Deliverable Based</li><li>Project Management Consultancy (PMC) Service</li></ul>
Contract Period/अनुबंध अवधि	1 Year(s)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	1600 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	7 Year (s)
Past Experience of Similar Services required/इसी तरह की सेवाओं का पिछला आवश्यक अनुभव है	Yes
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No

<b>Bid Details/बिड विवरण</b>	
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>Do you want to show documents uploaded by bidders to all bidders participated in bid?/</b>	No
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	No
<b>Type of Bid/बिड का प्रकार</b>	Two Packet Bid
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	3 Days
<b>Estimated Bid Value/अनुमानित बिड मूल्य</b>	40000000
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation
<b>Financial Document Indicating Price Breakup Required/मूल्य दर्शाने वाला वित्तीय दस्तावेज़ ब्रेकअप आवश्यक है</b>	Yes

#### **EMD Detail/ईएमडी विवरण**

Advisory Bank/एडवाइजरी बैंक	IDBI Bank
EMD Amount/ईएमडी राशि	800000

#### **ePBG Detail/ईपीबीजी विवरण**

Advisory Bank/एडवाइजरी बैंक	IDBI Bank
ePBG Percentage(%) /ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	18

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन

जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

**Beneficiary/लभार्थी :**

Senior Admin Officer

West, NA, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Ministry of Mines  
(R Srinivasan)

**MII Compliance/एमआईआई अनुपालन**

MII Compliance/एमआईआई अनुपालन	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Years of Past Experience required: The bidder must have experience for number of years as indicated above in bid document (ending month of March prior to the bid opening) of providing similar type of services to any Central / State Govt Organization / PSU. Copies of relevant contracts / orders to be uploaded along with bid in support of having provided services during each of the Financial year.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Past Experience of Similar Services: The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years(ending month of March prior to the bid opening): -

1. Three similar completed services costing not less than the amount equal to 40% (forty percent) of the estimated cost; or

2. Two similar completed services costing not less than the amount equal to 50% (fifty percent) of the estimated cost; or

3. One similar completed service costing not less than the amount equal to 80% (eighty percent) of the estimated cost.

**Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा**

**Introduction about the project /services being proposed for procurement using custom bid functionality:**[1730280624.pdf](#)

**Scope of Work:**[1730280641.pdf](#)

**Payment Terms:**[1730280652.pdf](#)

**GEM Availability Report ( GAR):**[1730280672.pdf](#)

**Buyer's Competent Authority Approval:**[1730280692.pdf](#)

**Undertaking of Competent Authority is mandatory to create Custom Bid for Services. Please download standard format document and upload:**[1730280710.pdf](#)

**Educational Qualification including Profile of SME/Consultants /Professional Resources /Technical Resources if they are part of Project .:**[1730280800.pdf](#)

**This Bid is based on Quality & Cost Based Selection (QCBS) . The technical qualification parameters are :-**

Parameter Name	Max Marks	Cutoff Marks	Qualification Methodology Document
EVALUATION CUM MARKING CRITERIA	100	60	<a href="#">View File</a>

**Total Minimum Qualifying Marks for Technical Score: 60**

**QCBS Weightage(Technical:Financial):80:20**

**Interview Venue:JNARDDC NAGPUR**

**Presentation Venue:JNARDDC NAGPUR**

**Custom Bid For Services - CONSULTANT AGENCY FOR PREPARATION OF VISION DOCUMENTS ON CIRCULAR ECONOMY IN NON FERROUS METALS IN INDIA ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Description /Nomenclature of Service Proposed for procurement using custom bid functionality	CONSULTANT AGENCY FOR PREPARATION OF VISION DOCUMENTS ON CIRCULAR ECONOMY IN NON FERROUS METALS IN INDIA
Regulatory/ Statutory Compliance of Service	YES
Compliance of Service to SOW, STC, SLA etc	YES
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	The quantity of procurement "1" indicates Project based or Lumpsum based hiring.	Additional Requirement/अतिरिक्त आवश्यकता
1	Lalit Mohan	440023,Opp Wadi Police Station Amarawati Road	1	N/A

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**

**1. Generic**

OPTION CLAUSE: The buyer can increase or decrease the contract quantity or contract duration up to 25

percent at the time of issue of the contract. However, once the contract is issued, contract quantity or contract duration can only be increased up to 25 percent. Bidders are bound to accept the revised quantity or duration

## 2. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

## 3. **Payment**

**PAYMENT OF SALARIES AND WAGES:** Service Provider is required to pay Salaries / wages of contracted staff deployed at buyer location first i.e. on their own and then claim payment from Buyer alongwith all statutory documents like, PF, ESIC etc. as well as the bank statement of payment done to staff.

## 4. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

JNARDDC  
payable at  
NAGPUR

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

## 5. **Forms of EMD and PBG**

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C (Name of the Buyer). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

## 6. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

JNARDDC  
Account No.  
041104000192392  
IFSC Code  
IBKL0000041  
Bank Name  
IDBI  
Branch address  
CIVIL LINES NAGPUR

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

## 7. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

JNARDDC  
payable at  
NAGPUR

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

#### 8. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

JNARDDC NAGPUR

A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

#### 9. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

JNARDDC  
Account No.  
041104000192392  
IFSC Code  
IBKL0000041  
Bank Name  
IDBI  
Branch address  
CIVIL LINES NAGPUR

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

#### 10. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 11. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. The Bidder must have an average annual turnover in India of Rupees **100 crore** and above in the last three financial years. (As per RFP) .
2. Past experience 10 Years as per RFP will be applicable.

### **Disclaimer/अस्वीकरण**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of

bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is governed by the [General Terms and Conditions/सामान्य नियम और शर्तें](#), conditions stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions/सामान्य नियम और शर्तें is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

**---Thank You/धन्यवाद---**

**Jawaharlal Nehru Aluminium Research Development and Design  
Centre  
(Autonomous body under Ministry of Mines, Government of India)  
Wadi, NAGPUR**

**Request for Qualification cum Request for Proposal  
for**

**Preparing Vision Document –  
“Circular Economy for Non-Ferrous Metals (NFM) in India”**



सत्यमेव जयते

**Critical Date Sheet (Tentative)**

<b>Bid Publishing Date</b>	<b>30 Oct 2024</b>
<b>Bid Submission End Date</b>	<b>21 Nov 2024</b>

**<<>> 2024**



JNARDDC

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Request for Proposal

**Preparation of Vision Document – Circular Economy for Non-Ferrous Metals (NFM) in India**

Jawaharlal Nehru Aluminium Research Development and Design Center (JNARDDC), an autonomous body under the Ministry of Mines, Government of India invites proposals from reputed Consulting Agencies having proven expertise across the ***non-ferrous metals value chain including comprehensive understanding of the non-ferrous metals recycling ecosystem*** and competence for Preparing Vision Document – “**Circular Economy for Non-Ferrous Metals in India**”.

2. Bids are invited in two bid system through online mode only on the <GeM> Portal for Selection of Consultant for conducting the aforementioned assignment.
3. JNARDDC intends to select Consulting Agency to help map the non-ferrous metals / recycling value chain and prepare Vision Document to develop a Circular Economy for Non-Ferrous Metals in the country.
4. JNARDDC invites proposals from Consulting Agencies in accordance with the Terms of Reference specified in this RFQ cum RFP.
5. Interested applicants are requested to submit their online bid through <GeM> portal only.

**Physical bids shall not be accepted.**

(<<nodal officer>>)

Mr. Lalit Mohan  
Secretary Purchase and Store  
Email: purchase@jnarddc.gov.in  
purchasejnarddcnagpur@gmail.com  
Mob : 8275534549

# **Request for Qualification cum Request for Proposal (RFQ cum RFP) for Selection of Consultant for Preparation of Vision Document – Circular Economy for Non-Ferrous Metals in India**

## **1. Introduction**

Metal ores and minerals are non-renewable natural resources, which have an ever-growing demand at global level and across sectors, making it imperative to reuse and recycle these metals. The National Mineral Policy 2019 of Ministry of Mines envisages making efforts towards augmenting supply of metals by developing processes for recovery of metal through recycling. The stated policy is in line with SDG Goal No 12, which states that current material needs do not lead to over extraction of resources or to degradation of environment. This calls for policy initiative focusing on improved resource efficiency and reduced wastage. Resource efficiency in the minerals and metals sector is realized through the implementation of sustainable development principles throughout the life cycle of minerals and metals.

1.2 A well-regulated recycling system can provide the necessary impetus to further India's move towards Net Zero. Integrating informal scrap collectors, aggregators, and "kabadiwalas" into the formal End-of-Life recycling ecosystem is crucial for maximizing the utilization of valuable secondary resources. Urban Local Bodies (ULBs) have a central role to play in facilitating this transition. Proactive and supportive policies can act as a catalyst, fostering a new wave of entrepreneurs and startups in the recycling sector. To achieve this transformation, national capacity building initiatives are essential. These initiatives should focus on up-skilling the workforce, promoting the domestic production of recycling machinery and equipment, and encouraging the adoption of digital tools to track waste and recyclable materials. This digital ecosystem will not only enhance traceability but also simplify compliance and streamline business operations for recyclers and raw material suppliers.

1.3 To this end, the Ministry of Mines, Government of India released the National Non-ferrous Metal Scrap Recycling Framework, 2020 seeks to use life cycle management approach for better efficiency in mineral value chain process. It envisages bringing both product and processing stewardship to enhance Non-Ferrous (NF) Metal recycling. The Framework aims to work towards having a sustainable non-ferrous metal recycling ecosystem in the long run. The implementation of the Framework must be seen as systems activity spanning multiple stakeholders with significant impact on economic, strategic, energy and environmental sectors. JNARDDC has been entrusted by the Ministry of Mines, Government of India as the nodal agency for implementation of the framework.

## 2. Scope of Work

The overall objective of the study is to assess the current state of non-ferrous (NF) metal (Aluminium, Lead, Zinc and Copper<sup>1</sup>) scrap as well as their ore /recycling process waste and associated industries for crafting policies to draft a vision document. The specific activities of the Consulting Agency for the assignment are divided into 4 interrelated modules which are detailed below:

### 2.1 Mapping the entire Non-Ferrous metals' process waste and Scrap Value Chain (Module 1)

- i. **Comparative Analysis**
  - a) **Generation and Characteristics Assessment** – Assess the generation rates, legacy stock, and characteristics of non-ferrous (NF) metals process waste and scrap (Aluminium, Copper, Zinc, and Lead) in the entire value chain from various sources e.g. processes & end of life.
  - b) **Economic Benefits and Business Models analysis** – Map current business models (in large scale practice), covering both informal and formal space and analyse gaps in the same. Assess current economic scale and potential economic benefit of formalizing and streamlining the NF Metals' Circular Economy.
- ii. **Circular Supply Chain**
  - a) **Supply Chain Evaluation** – Conduct a comprehensive baseline assessment of the existing non-ferrous metals process waste as well as scrap supply chain to gauge its alignment with circular economy objectives, focusing on the reuse, recycling, and upcycling potential.
- iii. **Organized vs Unorganized Sector**
  - a) **Economic utilisation of Process Waste:** Asses the usage and utilisation of NF Metal process waste in both organised and non-organised sectors.
  - b) **Key dependencies for RM :** Assess which medium/small scale industries are dependent on waste generation from the NF Metals for their raw material requirements.
  - c) **Scrap Collection Analysis** – Identify the proportion of scrap collected by formal (organized) vs informal (unorganized) sectors and characterize the differences in the types of scrap metals collected by each.
  - d) **Industry Initiatives and Case Studies** – Study industry initiatives and develop and examine case studies on non-ferrous metals recycling, with a focus on the involvement and impact of the organized and unorganized sector.

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<sup>1</sup> For the purposes of this RFQ cum RFP and its derivative work/s, definition of non-ferrous/NF metals shall be limited to Aluminium, Copper, Lead and Zinc only.

- e) Issues & challenges: study the issues & challenges of both the organized and unorganized sector for each metal.

## 2.2 Solutions and Technologies and Innovation (Module 2)

### i. Technology

- a) **Recycling and Upcycling Technologies** – Identify existing and global emerging technologies that enhance the processing efficiency of non-ferrous metal process waste as well as scrap.
- b) **Key Players** – Identify key players with licensee technologies & best practices or OEMs with proven credentials in waste management of NF Metals.
- c) **Technology Penetration Assessment** – Evaluate the existing and global emerging technologies and identify critical gaps that need bridging for future demands.
- d) **Future Roadmap** – Assess the current technology vis-a-vis technological readiness 10-20-30 years down the line for processing wastes of NF metals.
- e) **Waste processing estimates** – Basis the technology roadmap, assess the market size for processed wastes in % of total generation of waste as a function of time, going ahead

### ii. Innovation

- a) **High-Level Roadmap for Technological Scale-Up** – Develop a strategic plan to expand the adoption of effective and best available technologies in the non-ferrous metals recycling sector as well as waste to wealth initiatives.
- b) **Analysis of Global Recycling Trends** – Examine international trends in non-ferrous metals recycling as well as waste to wealth initiatives, focusing on innovative practices and expectations of key industry players.

## 2.3 Vision and Strategy Document (Module 3)

- i. **Overall Vision and Goals** - Draft overall vision and goals of the document in consultation with JNARDDC

### ii. Background and Context

- a) **Global Circularity Regulations Overview** – Provide an overview of the regulatory framework with regards to circularity in major countries (export destinations and competitors) that will have an impact on India's non-ferrous metals sector.
- b) **Assessment of Current Policies** – Examine existing policies affecting the non-ferrous metals scrap value chain and economic utilisation of process waste (Waste to Wealth) and suggest new initiatives/schematic interventions.

### iii. Policy and Regulatory Framework

- a) **Schematic Policy Interventions** – Suggest new policy initiatives for creating wealth from NF Metal wastes and the enhancement of non-ferrous metals scrap value chain.
  - b) **Priority segmentation:** Amongst the 4 metals, assess, shortlist and prioritize upon key waste streams and respective value chain for resource allocation depending upon a robust framework for focused effort
- iv. **Strategic Framework**
  - a) **Policy Measures to Enhance Sector Potential:** Recommend policy measures designed to unlock and maximize the potential of creating value from NF metal process wastes and the non-ferrous metals scrap value chain.
  - b) **Identification of benefits for Strategic partners** – Suggest what impetus in form of targeted policy benefits (e.g., PLI, custom duties etc.) partners in technology, manufacturing, and supply chain may need to further the objective of circularity specifically in NFM sector.
  - c) **Government Action Plan:** Outline a strategic action plan for Government intervention with clearly defined short, medium, and long-term goals to support the non-ferrous metals process and scrap sector.
- v. **Budget and Resource Analysis**
  - a) **Resource Allocation for Sector Support:** Analyze the budgetary needs and resource allocations essential for implementing the proposed policies and strategies.
- vi. **Stakeholder Engagement Plans/Strategies**
  - a) **Engagement of Key Stakeholders:** Develop a plan to engage critical stakeholders including policy makers, industry leaders, technology providers, and academic institutions to ensure broad-based support and effective implementation of the new strategies.
  - b) **Responsibility matrix:** Amongst the identified stakeholders, identify a high-level responsibility mapped to each part of the processing, dispatch, and usage of waste from NF metals

## 2.4 Implementation Roadmap (Module 4)

- i. **Technology and Innovation**
  - a) **Support for R&D in waste utilisation, recycling & Product Design** – Develop a roadmap to support research and development initiatives focused on advancing the recycling value chain and enhancing non-ferrous metal product design.
  - b) **Digitalization and Data Management:** Create a high-level framework for the development of a digital database to aggregate National and state-level data.
- ii. **Monitoring and Evaluation Framework**

- a) **Data Collection Framework for Recycled Products:** Establish a systematic framework for the collection and analysis of data regarding products made from NF Metal Process waste & recycled non-ferrous metals, focusing on data from registered recyclers.
- iii. **Capacity Building and Stakeholder Engagement Strategy**
- a) **Capacity Building and Training:** Chart an implementation roadmap for capacity building, training programs, competency evaluation, and the promotion of best practices in NF Metal Process waste utilisation & recycling.
- b) **Engagement with Start-ups and MSMEs:** Formulate strategies to involve start-ups and MSMEs and individual innovators in the NF Metal Process waste utilisation & non-ferrous metals recycling industry, supporting innovation and scalability in the sector.

**Final Deliverables:** The consulting agency needs to submit the final Vision of the Vision Document at the end of the study, which should broadly include the following:

#	Section	Broad Contents
1.	Overview	<ul style="list-style-type: none"> <li>• Significance of Non-ferrous metal (NFM) sector wastes/scrap recycling and the circular economy</li> <li>• Present minerals and metal scenario in India</li> <li>• Market Size/Trend analysis of the primary and secondary Non-Ferrous metal manufacturing (Aluminum, Copper, Zinc and Lead), Market drivers &amp; threats, technological trends, substitution effects and price dynamics in short, medium, and long term</li> <li>• Status of primary, secondary, and downstream industries in terms of production, supply demand, external and internal drivers, market size/trend and projection till 2050</li> <li>• Focus on circular economy (CE) in the Union Budget</li> <li>• Circular Business Models- Emerging and proven case studies in NF Metal sector</li> <li>• Multi-stakeholder collaboration</li> </ul>
2.	Background and Context	<ul style="list-style-type: none"> <li>• Circular Economy vision of India -Action plan and its implication on Non-Ferrous Metals.</li> <li>• Relevance of the non-ferrous metal (NFM) sector</li> <li>• Need of the circular economy in NFM sector</li> </ul>

#	Section	Broad Contents
		<ul style="list-style-type: none"> <li>• Adoption of circular economy principles to drive NFM recycling and its waste, automobile, white goods, construction &amp; building, packaging, electrical, etc.</li> <li>• Identify key industries dependent upon NFM processed wastes</li> <li>• Ways to develop right eco system and technology to recover high value/critical metals</li> </ul>
3.	Comparative Analysis	<p>Comparative analysis of NFM by:</p> <ul style="list-style-type: none"> <li>• Global vs. Indian <ul style="list-style-type: none"> <li>○ Best practices</li> </ul> </li> <li>• Primary vs. secondary <ul style="list-style-type: none"> <li>○ Sector wise applications</li> <li>○ Sector wise demand</li> <li>○ Sector wise consumption</li> <li>○ Differences in value chain and participation of stakeholders</li> </ul> </li> <li>• Production vs consumption</li> <li>• Key substitutions envisaged from circular supply chain of NFM wastes</li> <li>• Export vs imports.</li> <li>• Interference of circular economy in comparison</li> </ul>
4.	Economic Benefits and Business Model Analysis	<ul style="list-style-type: none"> <li>• Economic benefits of transition from linear to Circular Economy (CE) in NFM sector</li> <li>• Methodology of CE business models in NFM sector</li> <li>• Challenges to improve the circularity in NFM sector</li> <li>• Overcoming the challenges</li> </ul>
5.	Stakeholders Analysis	<ul style="list-style-type: none"> <li>• Identify key actors and stakeholders</li> <li>• Analysis of stakeholder interests, concerns, etc.</li> <li>• Contribution in bringing desired results in the overall CE in NFM sector</li> <li>• Strategies for effective stakeholder engagement and management</li> </ul>
6.	Unorganized vs organized sector	<ul style="list-style-type: none"> <li>• Definitions</li> <li>• Participants</li> </ul>

#	Section	Broad Contents
		<ul style="list-style-type: none"> <li>• Overview of the unorganized and organized sectors in the non-ferrous metals industry</li> <li>• Analysis of challenges associated with forming a fully organized NFM sector</li> <li>• Government policy and schemes to bring the unorganized to formal sector</li> <li>• Contributions of both in circular economy</li> </ul>
7.	Vision and goals	<ul style="list-style-type: none"> <li>• Developing a systematic understanding and a long-term vision</li> <li>• Definition of specific goals and objectives to achieve the vision</li> <li>• Identifying challenges towards vision and proposing actions to address the challenges.</li> <li>• Vision narratives</li> </ul>
8.	Strategies framework	<ul style="list-style-type: none"> <li>• Strategy objectives and their plan of actions with timeline for circular economy in NFM sector to realise vision and goals</li> <li>• Identification of gaps and areas for improvement in the regulatory framework</li> <li>• Recommendations for policy reforms to support sustainable growth and development</li> </ul>
9.	Circular supply chain	<ul style="list-style-type: none"> <li>• Circular economy supply &amp; value chain in each NFM</li> <li>• Assessing benefits along the value chain at input, design, and end of life stage</li> <li>• Identify end-use application of each processed waste stream</li> <li>• Assessment of the environmental and economic benefits of implementing a circular supply chain approach</li> </ul>
10.	Policy and Regulatory Framework	<ul style="list-style-type: none"> <li>• Enabling policy framework for CE in India</li> <li>• Policy/Regulatory needed during design, manufacturing, consumption and recycling till end-of-life stages</li> <li>• Identification of gaps and areas for improvement in the regulatory framework</li> <li>• Recommendations for policy reforms to support sustainable growth and development</li> </ul>
11.	Technology and innovation	<ul style="list-style-type: none"> <li>• Overview of technological advancements driving innovation in the non-ferrous metals sector</li> </ul>



#	Section	Broad Contents
		<ul style="list-style-type: none"> <li>• Assessment of emerging technologies with the potential to transform the industry</li> <li>• Strategies for promoting technology adoption and fostering innovation</li> <li>• Technology innovation leading to Big-data analysis across the value chain, grid technologies and captive low carbon primary production</li> <li>• Innovation allowing flexible manufacturing process</li> <li>• Technical and Commercial challenges to improve the circularity in NFM sector</li> <li>• Major problem statements</li> </ul>
12.	Monitoring and Evaluation Framework	<ul style="list-style-type: none"> <li>• Development of key performance indicators (KPIs) to measure progress towards goals</li> <li>• A monitoring and evaluation framework with indicators and target used to monitor implementation and can subsequently be used to evaluate the impacts of implementation when specific actions are completed</li> <li>• Establish clear timelines for each phase of the implementation, with major milestones to measure progress along the way</li> <li>• The monitoring and reporting methodology and formats will be standardized to ensure consistent application to accurately observe progress and ensure meaningful adaptations are implemented where required</li> <li>• Integration of feedback mechanisms to continuously improve performance</li> <li>• Set up a process for regular review and adjustments to ensure that the roadmap stays aligned with the vision</li> </ul>
13.	Stakeholder engagement plan /strategies	<ul style="list-style-type: none"> <li>• Stakeholders' engagement plan with activities</li> <li>• Coordination with defined strategies</li> <li>• Identification of communication channels and engagement methods</li> <li>• Strategies for building consensus and fostering collaboration among stakeholders</li> </ul>

#	Section	Broad Contents
14.	Budget and Resources Analysis	<ul style="list-style-type: none"> <li>• Identify and recommend financial implications to implement and sustain CE Actions</li> <li>• Public-private partnerships</li> <li>• Collaboration with external (global) institutions</li> <li>• Union Budget outlay for CE</li> </ul>
15.	Implementation road map	<ul style="list-style-type: none"> <li>• Development of a detailed timeline for implementing the vision and strategies.</li> <li>• Identification of key milestones and deliverables.</li> <li>• Assignment of responsibilities and roles to different stakeholders.</li> </ul>
16.	Risk Assessment and Mitigation	<ul style="list-style-type: none"> <li>• Identify high-level risks related to resource allotment, operational challenges, stakeholder management as well as from factors external to the value chain such as market shifts or regulatory changes</li> <li>• Identify key strategies to reduce the likelihood and impact of risks as well as planning for contingencies (Backup plans, Stretched budgets, Crisis management etc.)</li> </ul>
17.	Conclusion	<ul style="list-style-type: none"> <li>• Summarization of key findings and recommendations.</li> <li>• Reinforcement of the importance of the circular economy in achieving sustainable development goals for non-ferrous metals industry.</li> <li>• Call to action for stakeholders to collaborate in realizing the Circular Economy vision for the industry.</li> </ul>

### Estimated effort from consulting agency

It has been previously observed that consulting agencies tend to underestimate the effort required in such assignments, and as a result, quality of work is compromised. In order to mitigate the same, estimated minimum effort required for this assignment is given below. It may be noted that the below estimate is only the minimum effort estimated by JNARDDC and the bidders are expected to make their own assessment of any additional effort required. There will be no additional fee payable to the successful bidder in case the effort to successfully deliver the 4 deliverable modules as outlined above exceed the estimated effort mentioned in this section in any case.

S. No.	Role	Person month effort estimated (over contract period of 12 months)
1	Project Head	3 person months

S. No.	Role	Person month effort estimated (over contract period of 12 months)
2	Subject Matter Expert (Metals & Mining)	4 person months
3	Subject Matter Expert (Circular Economy)	4 person months
4	Project Manager	9 person months (Must be available on remote/on-site basis as required)
5	Project Team Members (for documentation, data analysis and other related work)	7 members <ul style="list-style-type: none"> <li>4 full time for 12 months (must be available on-site/remotely as required) (2 Circular Economy Domain, 2 metals &amp; mining domain)</li> <li>3 part time for 9 person months each (1 from metals &amp; mining and 2 from circular economy domain)</li> </ul> <b>Total: 75 person months</b>
	<b>TOTAL</b>	<b>95 person months*</b>

\*The above estimate does not include survey and fieldwork required for collection of data.

### 3. Duration of the Consulting Agency's engagement

The Consulting Agency will have to complete the scope of work in a period of **12 months**. The timelines may be extended at the sole discretion of JNARDDC in case a justifiable request is made by the agency without any financial implications.

### 4. Project Timelines and Deliverables

The project duration is twelve (12) months from the date of signing of Business Requirements Document post award of contract on egem. The selected firm would be required to submit an Inception Report within 30 days and a draft report at the end of the 11<sup>th</sup> month. The Final Report is to be submitted after detailed discussions and feedback from JNARDDC and other relevant stakeholders by end of the 12<sup>th</sup> month. Required number of hard copies of the Final Report and a soft copy in editable electronic format shall be submitted by the agency at the end of the project.

#	Deliverables	Time
1	Commencement of services (post-issuance of Letter of Award and signing of contract)	T
2	Inception report containing project plan, survey questionnaire (if any) for approval, confirmation of deliverables and approach	T + 1 month
3	Document on Module 1 - Mapping the Non-Ferrous metals Waste/Scrap Value Chain	T + 3 months
4	Document on Module 2 – Solutions, Technologies and Innovation	T+7 months

#	Deliverables	Time
5	Document on Module 3 - Draft Vision and Strategy Document	T + 10 months
6	Document on Module 4 - Implementation Roadmap	T + 11 months
7	Draft report covering all deliverable modules	T + 11 months
8	Final set of all Deliverable Modules, incorporating feedback from JNARDDC	T + 12 months

**JNARDDC shall own the IPR over the deliverables submitted by consulting agency for this project.**

### 5. Payment Milestones

The Consulting Agency's payments will be linked to the satisfactory completion of contractual deliverables to be paid according to the following deliverable schedule subject to acceptance of Deliverables by Competent Authority:

	Deliverables	Payment % of contract value
1	On submission of performance bank guarantee and signing of the contract	5%
2	On submission of inception report	10%
3	Document on Module 1 - Mapping the Non-Ferrous metals Waste/Scrap Value Chain	15%
4	Document on Module 2 - Solutions and Technologies and Innovation	15%
5	Document on Module 3 - Draft Vision and Strategy Document	15%
6	Document on Module 4 - Implementation Roadmap	15%
7	On submission of draft report covering all deliverable modules	10%
8	Submission of Final set of all Deliverable Modules, incorporating feedback from JNARDDC	15%

- a) Upon achievement of the above-mentioned milestones, the invoices should be submitted along with complete details of the work undertaken, supporting documents and bills (if required) as well as copies of the work/ material / produced for which the bills are submitted.
- b) Income Tax at the prevailing rate as applicable from time-to-time shall be deducted from firm bills as per Income Tax and quoted rates shall be deemed to include this. As regards the Income Tax, surcharge on Income Tax or any other Corporate Tax or

Statutory levy payable by the Tenderer for reason of the Contract awarded, then JNARDDC shall not bear any tax liability whatsoever, irrespective of the mode of construction of contract. The Tenderer both Indian and/or foreign shall be liable and responsible for payment of such tax, if attracted under the provision of Law of Land.

- c) The payment shall be released only after acceptance of the required work detailed in the RFQ CUM RFP Document against the corresponding deliverable, which shall not be unreasonably withheld. In case of non-communication of any feedback by JNARDDC within 10 working days of submission, the deliverable shall be deemed as approved.
- d) First evaluation of Deliverables to be done within 1 week from the date of receipt and payment to be released within 30 days, from the date of receipt of invoice after final acceptance of deliverable. In case of any conflict between the terms specified in this RFQ CUM RFP and payment terms and conditions defined in <GeM>, the terms defined in this RFQ CUM RFP shall prevail.
- e) The bidder has to quote the all-inclusive price including Out of Pocket Expenses and GST while making a financial offer in a bid on <GeM>.
- f) For facilitating the electronic transfer of funds, the selected agency will be required to indicate the name of the Bank and Branch, account number (i.e., bank names, IFSC Code and Bank A/c No.) and also forward a cheque leaf duly cancelled to verify the details furnished. These details should also be furnished on the body of every bill submitted for payments by the selected agency.
- g) **Currency:** The price is payable in local currency i.e., Indian Rupees.
- h) **Liquidated Damages:** The Consulting Agency will be engaged for twelve (12) months to deliver the scope of work outlined in this RFQ cum RFP. The deliverable schedule/ timelines are already specified. In case of failure of Consulting Agency to deliver as per schedule, relevant clauses of liquidated damages as mentioned in the RFQ cum RFP (clause 5(h)) shall be applicable. However, Competent Authority reserves the right to waive the penalty and grant further time (hereby called a grace extension) to the Consulting Agency to complete deliverables in case the competent authority is of the opinion that the delay is not attributable to the Consulting Agency. It may be noted that no additional payment will be made whatsoever for the period of grace extension.
- i) Liquidated damages @ 0.5% of the invoice value will be deducted for delay of every week or part of the week. Total such LD will however not exceed 10% of the fees paid to consulting agency.
- j) Conditions in this Scope of Work / RFQ cum RFP document override other GTC / STC / ATC clauses of the <GeM> Portal.
- k) Power of attorney: Power of attorney in favour of 'authorised signatory' is required to be submitted.
- l) Compelled disclosure: Except with the prior written consent of the JNARDDC, the Bidder and its Personnel shall not at any time communicate to any person or entity

any confidential information acquired in the course of the Services, nor shall the Consultant/Bidder and its Personnel make public the recommendations formulated in the course of, or as a result of, the Services. After awarding the contract, non-disclosure agreement to be signed

m) **Retention of copies:** The Bidder shall not be permitted to retain copies of such Confidential Information. In case of Confidential information disclosure required under law or mandated by a judicial orders or directions, prior approval of JNARDDC is mandatory.

n) **Consideration of Abnormally Low Bids:** An Abnormally Low Bid is one in which the Bid price, in combination with other elements of the Bid, appears so low that it raises substantive concerns as to the capability of the Bidder to perform the Contract at the offered price. Procuring Entity shall in such cases seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to scope, schedule, allocation of risks and responsibilities, and any other requirements of the bids document. If, after evaluating the price analyses, procuring entity determines that the Bidder has substantively failed to demonstrate its capability to deliver the Contract at the offered price, the Procuring Entity shall reject the Bid/ proposal.

o) **Price Negotiation:** Normally there shall be no price negotiations. However, the Procuring Entity reserves its right to negotiate with the lowest acceptable bidder (L-1), who is technically cleared/ approved for delivery of Services and on whom the Contract would have been placed but for the decision.

p) **Clarification of Bids/ Shortfall Documents:** During evaluation and comparison of bids, the purchaser may, at his discretion, ask the bidder for clarifications on the bid. The request for clarification shall be given asking the tenderer to respond by a specified date. If the tenderer does not comply or respond by the date, his tender will be liable to be rejected. Depending on the outcome, such tenders are to be ignored or considered further. No change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the bidder shall be entertained. The shortfall information / documents should be sought only in case of historical documents which pre-existed at the time of the tender opening and which have not undergone change since then. So far as the submission of documents is concerned with regard to qualification criteria, after submission of the tender, only related shortfall documents should be asked for and considered. For example, if the bidder has submitted a supply order without its completion / performance certificate, the certificate can be asked for and considered. However, no new supply order should be asked for so as to qualify the bidder.

q) **Cartel Formation/ Pool Rates:** Cartel formation or quotation of Pool/ Coordinated rates, leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified in Competition Act, 2002, as amended by Competition (Amendment) Act, 2007, shall be considered as a serious misdemeanor and shall be dealt accordingly, besides filing of the information with the Competition Commission of India, for further action

## **6. Earnest Money Deposit (EMD)**

6.1 Bidders will have to submit Earnest Money of Rs. **Eight Lakhs only** in the form of an Account Payee Demand Draft/ online RTGS or Bank Guarantee from any of the Scheduled Commercial Banks (signed photocopy/scan to be uploaded with technical bid and original sent to JNARDDC within 5 working days of last date of bid submission) drawn in favor of **JNARDDC**, payable at Nagpur at the following address:

JNARDDC Bank details : JNARDDC Account No. 041104000192392 IFSC Code IBKL0000041 Bank Name IDBI Branch address CIVIL LINES NAGPUR ( For RTGS)

6.2 Bids not accompanied by EMD shall be rejected. The EMD of unsuccessful bidders, will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. EMD of those bids which are withdrawn during the validity of bids will be forfeited.

## **7. Performance Guarantee**

The selected bidder shall be required to furnish a Performance Bank Guarantee equivalent to **5% of the contract** value in the form of a Fixed Deposit Receipt from a Commercial bank in India, Bank Guarantee from a Commercial bank in India or online payment in an acceptable form, safeguarding the purchaser's interest in all respects, within seven days from the date of award of the contract. The Bank guarantee should be valid for a period of 60 days from the date of completion of all contractual obligations by the successful bidder. On submission of the Performance Bank Guarantee, the EMD of successful bidder will be returned.

7.2 The bidder may submit their application as a consortium/Joint Venture (of maximum two members), however, if the bidder fails to mention the same in the proposal, the consortium/Joint Venture will not be accepted. Conditional bids will not be accepted. The agency shall not assign, transfer, pledge or sub-contract the entire work to any other agency. Bidder submitting more than one proposal will be summarily rejected.

7.3 **Bid validity** - Bidder's bid must remain valid for **120 days** from the end date of submission of the bid.

## **8. Right to Termination**

JNARDDC reserves the right to foreclose the Agreement (with a notice of 30 days) if it is of the opinion that the performance of the consultant is not satisfactory at any point of time during the period of the Agreement at the risk and cost of the agency. The bidder shall, similarly, have right to foreclose the Agreement (with a notice of 30 days) in case client is unable to fulfill conditions of the Agreement. In case of such foreclosure, all payment milestones which have been completed till the point of foreclosure, and have

been accepted by JNARDDC, will be paid within 15 working days to the agency by JNARDDC.

8.2 In the event of any dispute arising, the same shall be settled under the provision of the Arbitration and Conciliation Act, 1996 as amended from time to time and the rules framed there under. The arbitrator shall be appointed jointly by the bidder and Director, JNARDDC and the jurisdiction shall be Nagpur.

8.3 Notwithstanding anything to the contrary contained in this RFQ CUM RFP, JNARDDC will reject a Proposal without being liable in any manner whatsoever to the Applicant, if it determines that the Applicant has, directly or indirectly or through its officer(s), employee(s), agent(s), representative(s) and adviser(s), engaged in corrupt, fraudulent, coercive, undesirable or restrictive practices (collectively the Prohibited Practices) in the Selection Process. In such an event, JNARDDC shall, without prejudice to its any other rights or remedies, forfeit and appropriate the Earnest Money Deposit, as mutually agreed genuine pre-estimated compensation and damages payable to JNARDDC for, inter alia, time, cost and effort of JNARDDC, regarding the RFQ cum RFP, including consideration and evaluation of such Applicant's proposal.

## **9. Force Majeure**

The bidding agency shall not be liable to the client for any delay in or failure to perform its obligations as a result of any cause beyond its reasonable control and which cannot be prevented by the exercise of reasonable diligence, precaution or alternate measures be foreseen or prevented.

## **10. Limitation of Liability Clause**

Subject to the terms and conditions in this Agreement, the Consultant's total aggregate liability to JNARDDC arising in connection with the performance under this Agreement shall be limited to an aggregate sum not exceeding the total fees paid to the consultant by JNARDDC.

## **11. Amendment of RFQ cum RFP Document**

At any time, prior to the deadline for submission of Applications, JNARDDC either on its own or request of the Applicant may amend the RFQ cum RFP documents by issuing a corrigendum/addendum or addenda including those issued after the pre-bid conference. These addenda shall be posted on the website of JNARDDC and <GeM> Portal and shall be treated as a part of the RFQ CUM RFP Documents.

11.2 JNARDDC may, at its discretion, extend the deadline for the submission of Bids.



## 12. Important Dates (Tentative)

Description	Date	Remarks
Release of RFQ CUM RFP	29/10/2024	Available on e-gem portal
Deadline for receiving queries		All interested bidders must have to submit their queries/or request clarifications for details before <b>1800hrs on 10 Nov 2024</b> on <a href="mailto:purchasejnarddcnagpur@gmail.com">purchasejnarddcnagpur@gmail.com</a> or <a href="mailto:purchase@jnarddc.gov.in">purchase@jnarddc.gov.in</a> or e-gem representation mode
Pre-Bid Meeting		no
Clarification of queries		Clarifications to queries raised by bidders will replied through email as well as if JNARDDC consider corrigendum may be incorporated on e-gem portal
Last day for Bid Submission		All bids must be submitted on the <GeM> portal by 2100 hrs on 21 Nov 2024
Opening of Technical Bid & Presentation by Bidders		All bidders must make technical presentations to obtain marks under category 4 of the Technical Bid Evaluation.
Opening of Financial Bid of Qualified Bidders		To be informed to all qualified bidders
Bid Validity Period		Bid validity period 120 days from the last date (deadline) for the submission of proposals

## 13. Tender Methodology

The tender will be called through online mode only on <GeM> Portal. No physical tender will be accepted. For the purpose of selection of the agency, a two-part bidding process will be followed i.e., Technical Bid and the Financial Bid. The 'Technical Proposal' will contain the exhaustive and comprehensive details of the approach, methodologies to be followed, assertions, documents, and any other collateral the Consultant would want to submit to JNARDDC. Quality and Cost Based Selection (QCBS) mode will be followed for the finalization of the H1 bidder.

13.2 Under this system, the Technical Bid evaluation, i.e., Part-I, shall be allotted a weightage of 80% while the Financial Bid evaluation shall be allotted a weightage of 20%.

The bidder scoring the highest combined score will be declared as H-1. The detailed methodology is described below.

13.2.1 A Consultancy Evaluation Committee appointed by JNARDDC will carry out the technical evaluation of proposals based on the following evaluation criteria and a points system. Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation is concluded. Each evaluated proposal will be given a technical score.

13.2.2 The minimum criteria for technical qualification would be as follows:

- Minimum qualifying technical marks to be obtained: **60 marks out of 100 marks.**
- The financial bid shall be opened for Technically qualified bidders who score **60 marks** and above.

For respective consulting agencies, 80% of technical marks so obtained by them shall be considered as their respective Final Technical Score (as per QCBS weightage mentioned above).

The Financial Bid shall be opened for technically qualified bidders only. The following methodology shall be adopted for the evaluation of the quoted price of Bidders who qualify in the technical bid evaluation:

Normalization of financial bid scores:

The minimum quoted price among the technically qualified bids will be taken as the base/reference rate for arriving at the evaluated financial scores for each qualified bidder. The evaluated marks for the lowest priced Bidder in Financial Bid shall be 20. The following example illustrates the proposed methodology for arriving at the Financial Score of the Bidders:

Bidder	Quoted rate (assumed)	Financial Score
A	Rs. 12 crores	$20 \times 08/12 = 13.3$
B	Rs. 10 crores	$20 \times 08/10 = 16$
C	Rs. 08 crore	$20 \times 08/08 = 20$

The sum of the Final Technical Score and the Final Financial Score as detailed above shall be the Total score for the bidders. The bidder with the highest Total Score (Technical + Financial Score) shall be declared H1 (successful bidder)

*Further, given the urgency and nature of the assignment requiring high quality delivery, JNARDDC will award engagement to bidder even if only one bid is qualified as per the above process, insofar as their financial quote (excluding taxes) is within 10% of the*

estimated bid value. JNARDDC also reserves the right to negotiate with such bidder to bring their bid value within this parameter.

## 14. Evaluation Criteria

### 14.1 Minimum Qualification (Eligibility) Criteria

As part of the evaluation, the Pre-Qualification Proposals submitted should fulfil the Minimum Qualification Criteria. In case an Applicant does not fulfil the Minimum Qualification Criteria, the Proposal of such an Applicant will not be evaluated further.

S. No.	Topic	Eligibility Criteria	Supporting Document
1	<b>Registration</b>	Bidder (Lead) should be a registered firm/company/partnership in India	Certificate of incorporation
2	<b>Blacklisting</b>	Bidder should not be blacklisted by any Central Government /State Government / Public Sector Undertaking in India.	Self-certification/undertaking of no blacklisting
3	<b>Annual Turnover</b>	The Bidder (Lead) must have an average annual turnover in India of Rs. <b>100 crore</b> and above in the last three financial years.	CA certified statement of an annual turnover in India during the last three years
4	<b>Work Experience</b>	Minimum <b>10 years of</b> management consultancy expertise with government/agency/ PSUs/state government(s) and large private sector (having turnover more than 100 Crore)	Minimum three relevant contract/work order/ sanction order copies (Self certificate by authorized signatory will be acceptable in case of private sector clients) of projects whose start date is at least 10 years old as on date of bid submission
5	<b>PAN &amp; GST</b>	The Bidder (Lead) must have a valid PAN and GST registration under relevant Acts	Copy of PAN card and GST Registration
6	<b>Earnest Money</b>	The Bidder must submit Earnest Money of <b>Rs Eight lakhs only</b> in the	Earnest Money Deposit in original

S. No.	Topic	Eligibility Criteria	Supporting Document
	<b>Deposit</b>	form of a Bank Guarantee/Demand Draft/ RTGS	
7	<b>Consortium/Joint Venture</b>	The Bidder (Lead) may submit the application as a consortium/JV, however, if the bidder fails to mention the same in the proposal, the consortium will not be accepted. The selected agency may sub-contract some of the tasks assigned but may not sub-contract the entire scope.	Self-Declaration

Those agencies meeting the above-mentioned criteria may only apply.

#### 14.2 Technical Evaluation Criteria

The evaluation committee appointed by JNARDDC will carry out the evaluation of proposals based on the following evaluation criteria and marking system. If required, the authority may seek specific clarifications from any or all Agency(ies) at this stage. Each evaluated Proposal will be given a technical score as detailed below. The total marks against which the bidder's submission will be evaluated is 100.

S. No.	Criteria	Description	Marks	Maximum Marks
1.	Annual Turnover (10 marks)	The bidder must have an average annual revenue in India of Rs. 100 crore and above in the last 3 years	<p>Average turnover in India during last 3 years</p> <ul style="list-style-type: none"> <li>• &lt; Rs. 100 crores = 0</li> <li>• ≥Rs. 100 and &lt;200 crore = 5</li> <li>• ≥ Rs. 200 and &lt;500 crore = 7</li> <li>• ≥ Rs. 500 crores = 10</li> </ul>	<b>10</b>
2.	Technical Capacity (40 marks)	Proven and demonstrable experience in providing management consulting services in the field of Waste/Scrap (Collection/Sorting/ Handling/ Recycling/	<ul style="list-style-type: none"> <li>• 1-3 projects = 5</li> <li>• &gt; 3 projects = 10</li> </ul>	<b>10</b>

S. No.	Criteria	Description	Marks	Maximum Marks
		Reusing) with government (central, state, local governments or private entities)		
		Experience of working on Projects related to Metals and Mining Domain within India	<ul style="list-style-type: none"> <li>• &lt; 1 project = 0</li> <li>• 1-2 projects = 5</li> <li>• &gt;2 projects = 10</li> </ul>	<b>10</b>
		Experience of preparing Circular Economy Vision/ Waste Value Chain or market mapping for Government agencies worldwide (for sectors other than municipal waste/ plastic waste and private sector entities for metal commodities and scraps)	<ul style="list-style-type: none"> <li>• 1 project = 20 marks</li> </ul>	<b>20</b>
<b>3.</b>	Competence of key staff for the assignment (30 marks)	<p><b><u>Project Director</u></b></p> <ul style="list-style-type: none"> <li>• Master's Degree in metallurgy/mining/geology (or equivalent degree) – 1 mark</li> <li>• In case above qualification is from premium university/ institute (or equivalent degree from NIRF top 25 or FT top 100 in 2023 in case of international qualification)- 1 additional mark</li> <li>• PhD Degree – 2 marks</li> <li>• Minimum of 15 years of overall experience and at least 5 years of experience each in metals/mining sector and strategy engagements – 1 mark</li> <li>• Should have a very good</li> </ul>	<ul style="list-style-type: none"> <li>• Project Director (8 marks)</li> </ul>	<b>8</b>

S. No.	Criteria	Description	Marks	Maximum Marks
		<p>understanding of the working of Non-Ferrous Metals Sector through demonstrated projects– 1 mark</p> <ul style="list-style-type: none"> <li>• Interview by JNARDDC – 2 Marks</li> </ul>		
		<p><u>Strategy and Subject matter Expert (Non-Ferrous Metals)</u></p> <ul style="list-style-type: none"> <li>• MBA/PGDM (or equivalent degree) – 1 mark</li> <li>• In case above qualification is from premium institutes (or equivalent degree from NIRF top 25 or FT top 100 in 2023 in case of international qualification) - 1 additional mark</li> <li>• Minimum of 10 years of overall experience and at least 5 years of experience in Government advisory – 1 mark</li> <li>• Experience in strategy engagements in the metals/mining sector – maximum 5 marks <ul style="list-style-type: none"> <li>○ Engagements in private sector/PSUs – 1 mark per assignment (maximum 3 marks)</li> <li>○ Engagements with government ministries/ departments – 1 mark per</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Strategy and Subject Matter Expert (Non-Ferrous Metals) = Max. 8 marks</li> </ul>	8

S. No.	Criteria	Description	Marks	Maximum Marks
		assignment (maximum 2 marks)		
		<p><b><u>Subject Matter Expert (Circular Economy)</u></b></p> <ul style="list-style-type: none"> <li>• MBA/PGDM (or equivalent degree) – 1 mark</li> <li>• In case above qualification is from premium institutes (or equivalent degree from NIRF top FT top 100 in 2023 in case of international qualification)- 1 additional mark</li> <li>• Minimum of 10 years of overall experience and at least 5 years of experience in Government advisory – 1 mark</li> <li>• Should have a good understanding of the working of Circular Economy Sector and metal commodities and scrap at policy level through demonstrated projects at national/state (India or international) level – 1 mark per assignment (maximum 5 marks)</li> </ul>	<ul style="list-style-type: none"> <li>• Subject Matter Expert (Circular Economy) = Max. 8 marks</li> </ul>	8
		<p><b><u>Project Manager</u></b></p> <ul style="list-style-type: none"> <li>• Masters in Technology/ Development/ Management (or equivalent degree) - 1 Marks</li> <li>• Minimum of 7 years of overall experience and at</li> </ul>	<ul style="list-style-type: none"> <li>• Project Manager= Max. 6 marks</li> </ul>	6

S. No.	Criteria	Description	Marks	Maximum Marks
		<p>least 5 years of experience with Government - 1 Marks</p> <ul style="list-style-type: none"> <li>• Worked in National/ State/ Local Government /Private assignments related to the Circular Economy/metal scrap and commodities domain – 1 mark per assignment (total maximum 3 marks)</li> <li>• Worked in at least 1 International assignment related to the Circular Economy domain - 1 Mark</li> </ul> <p>(Supporting Documents: testimonials from employers / project lead/ any other documents that prove involvement)</p>		
4.	Project Methodology, Approach and Work Plan (20 marks)	<p>Technical Approach &amp; Methodology for the project (to be submitted as part of technical proposal)</p>	<p>The bidder must demonstrate the following:</p> <ul style="list-style-type: none"> <li>• Practicality and relevance of the execution approach and methodology for the current assignment addressing each scope element in this RFQ CUM RFP</li> <li>• Clarity of deliverables and work-plan</li> </ul>	10
		<p>Presentation on the proposal</p>	<p>The bidder must demonstrate the</p>	10



S. No.	Criteria	Description	Marks	Maximum Marks
			following: <ul style="list-style-type: none"> <li>• Understanding of the sources of NF Metal scrap, current practices, involvement of the informal sector, etc.</li> <li>• Understanding of global best practices, policies, and their implications for JNARDDC</li> </ul>	
<b>Total</b>				<b>100</b>

**Note:**

- i. Presentations by the bidders: To obtain marks under category 4 of the above point table, bidders must make a presentation before the Proposal Evaluation Committee. The purpose of such presentations would be to allow the bidders to present the salient points in their proposals.
- ii. The Project Director, Project Manager, all Subject Matter Experts proposed by the bidder for the project must be on full-time payroll of the bidder as on date of bid submission (an undertaking by the bidders HR representative/authorised signatory in this regard is to be submitted with each profile) and should be present during the presentation. The bidders who do not present themselves before the Proposal Evaluation Committee will not be considered.
- iii. To demonstrate eligibility as well as to be scored against the Technical Criteria related to experience, the bidder needs to submit a copy of the contract/ work orders indicating the details of the previous assignment completed, the client, the value of the assignment/ proportionate value in use of projects/ assignment in process date and year of the award. Self-certificate signed by the authorised signatory of the bidder shall be acceptable only in case of private sector clients. For purposes of this aspect, credentials of affiliated firms (only those registered under laws of India) of the bidder, which operate under the same larger brand name shall also be considered.
- iv. CVs of the key personnel proposed to be deployed should be submitted in given format, duly signed by the personnel or by the bidder's authorised signatory. All

key personnel (Project Director, all Subject Matter experts, Project Manager) to be deployed on this assignment shall mandatorily be on the payroll of the bidding firm as on date of bid submission.

- v. Substitution of key personnel can be allowed in compelling or unavoidable situations only and the substitute shall be of equivalent or higher credentials. Such substitution may ordinarily be limited to not more than 30% of total key personnel, subject to equally, or better, qualified and experienced personnel being provided to the satisfaction of the procuring entity.
- vi. Replacement of first 10% of key personnel will be subject to reduction of remuneration. The remuneration is to be reduced, say, by 5% of the remuneration which would have been paid to the original personnel, from the date of the replacement till completion of contract.
- vii. In case of the next 10% replacement, the reduction in remuneration may be equal to (say) 10% (ten per cent) and for the third 10% replacement such reduction may be equal to (say) 15% (fifteen per cent).
- viii. For Sl. No. (v) above, the evaluation will be based on the CVs of the key personnel submitted as part of the Technical Response - relevant experience and academic qualifications will be considered (authority reserves the right to verify any of the information so presented either through documentary evidence or through reference checks). In addition, interaction with the key personnel – Project Director, Project Manager, SMEs - during the bid presentation may also be used for evaluation.
- ix. Please refer to **Annexure I** for the format of the Technical Proposal, and **Annexure II** for the format of CVs.
- x. The condition of prior turnover is relaxed for startups recognized by the Department of Industry & Internal Trade (DPIIT) subject to the meeting of quality & technical specifications desired in the Scope of work. Startups may be MSMEs or otherwise.
- xi. To prove the qualification and experience, supporting Documents, testimonials from employers / project lead/ any other documents that prove involvement) to be submitted.

## Annexure-I

### Format of Technical Bid

- a) Profile of the Organization (including details such as the name of bidding entity, complete address with telephone number and e-mail, background, presence in India, services offered etc.)
- b) Details of Registration (Certificate of incorporation)
- c) Self-certification/undertaking of no blacklisting
- d) CA certified statement of turnover requirements as per eligibility criteria and technical evaluation criteria
- e) Credentials of the specific experience of Consulting Agency relevant to the scope of the RFQ cum RFP (with certified copies of work orders/self-certificates) as mentioned in S. No. 4 of Minimum Qualification (Eligibility) Criteria and S.No.2 of Technical Evaluation Criteria
- f) Note on proposed approach and methodology
- g) PAN Card
- h) GST Registration Certificate
- i) Details of Earnest Money Deposit (EMD)
- j) Self-certification/undertaking of Consortium/Joint Venture as mentioned in S. No. 7 of Minimum Qualification (Eligibility) Criteria
- k) Details of Key personnel as mentioned in S. No. 3 of Technical Evaluation Criteria
- l) References of similar work done in the past

*Bidders may provide the above information in a different sequence of they so desire, a checklist may be appended at the beginning of the proposal*

***(Scanned copies of all requisite documents in support of the above must be uploaded along with Technical Bid)***

## Annexure-II

### Format of CV

1	<b>Proposed position</b>				
2	<b>Name of Firm</b>				
3	<b>Name of Staff</b>				
4	<b>Date of Birth</b>				
5	<b>Nationality</b>				
6	<b>Education</b>				
7	<b>Membership of Professional Organizations</b>				
8	<b>Training &amp; Publications</b>				
9	<b>Countries of Work Experience</b>				
10	<b>Languages</b>	<b>Language</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
11	<b>Employment Record</b>	<b>Name of Organization</b>		<b>Position Held</b>	<b>Duration</b>
12	<b>Summary of the nature of experience</b>				
13	<b>Work Undertaken that Best Illustrates the Required Professional Experience</b>				
<p><b>Name of assignment of the project:</b></p> <p><b>Year:</b></p> <p><b>Location:</b></p> <p><b>Client:</b></p> <p><b>Main project features:</b></p> <p><b>Position held:</b></p> <p><b>Activities Performed:</b></p> <p><i>(Please add more rows as required)</i></p>					
<p><b>Certification</b></p> <p>I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.</p> <p style="text-align: right;">Date: Day/Month/Year</p> <p style="text-align: center;"><i>Signature of expert or authorized Representative of the firm</i></p>					

**Financial /Price bid :**

	<b>Particulars/Item</b>	
<b>1</b>	Lumpsum amount (Including all out of pocket expenses, taxes and all other charges).	
<p>Note : Bidder will not disclose price in any technical and other bidding documents. Price to be mentioned on e-gem portal only in price tab. However, if bidders desire covering letter with terms and conditions <b>without price</b> can be uploaded with bidding documents.</p> <p>If any bidder will disclose their bidding price in other tender documents, bid will be merely rejected and bidder will declare disqualified</p>		

