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Tender Details

Date : 18-Jun-2024 09:17 AM

Print

Basic Details

Organisation Chain	National Aluminium Company Limited,NALCO NALCO-Mines Division-Damanjodi Materials-MD-Damanjodi-NALCO		
Tender Reference Number	EOI/E- 88808		
Tender ID	2024_NALCO_811647_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	EOI
Tender Category	Goods	No. of Covers	1
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Cover Details, No. Of Covers - 1

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.pdf	Please upload Technical Specification along with Financial statement

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	No
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Nil	EMD Payable At	Nil

[Click to view modification history](#)**Work /Item(s)**

Title	EOI FOR SUPPLY OF 51 MM DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR				
Work Description	EOI FOR SUPPLY OF 51 MM DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	0.00	Product Category	Machinery and Machining Tools	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	120
Location	BAUXITE MINES, NALCO DAMANJODI, 763008	Pincode	763008	Pre Bid Meeting Place	NALCO DAMANJODI
Pre Bid Meeting Address	DAMANJODI	Pre Bid Meeting Date	02-Jul-2024 02:00 PM	Bid Opening Place	DAMANJODI
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	18-Jun-2024 03:00 PM	Bid Opening Date	09-Aug-2024 03:00 PM
Document Download / Sale Start Date	18-Jun-2024 03:00 PM	Document Download / Sale End Date	03-Aug-2024 03:00 PM
Clarification Start Date	18-Jun-2024 03:00 PM	Clarification End Date	16-Jul-2024 03:00 PM
Bid Submission Start Date	16-Jul-2024 03:00 PM	Bid Submission End Date	03-Aug-2024 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	PLEASE REFER DOCUMENT FOR DETAILED SPECIFICATION AND INSTRUCTION	862.16	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_853201.xls	BOQ FORMAT	250.00

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	3	7

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	subash.mishra@nalcoindia.co.in	Subash Mishra	SUBASH CHANDRA MISHRA
2.	rakesh.sahoo@nalcoindia.co.in	RAKESH RANJAN SAHOO	RAKESH RANJAN SAHOO
3.	aditya.sethi@nalcoindia.co.in	Aditya Kumar Sethi	ADITYA KUMAR SETHI
4.	kasaiah.yalaka@nalcoindia.co.in	YALAKA KASIAH	KASIAH YALAKA

GeMARPTS Details

GeMARPTS ID	D5LBCCDR1A80
Description	gem availability report
Report Initiated On	14-Jun-2024
Valid Until	14-Jul-2024

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	DGM MATERIALS
Address	NALCO MINES DAMANJODI

Tender Creator Details

Created By	Subash Mishra
Designation	Senior Manager(Materials)
Created Date	14-Jun-2024 01:37 PM

PROJECT TITLE		REVISION	DOC. PAGE
 नलको NALCO PB Mines, Damanjodi	DESIGN, MANUFACTURING, TESTING AND SUPPLY OF 51 MM DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR OF NALCO BAUXITE MINES, ODISHA, INDIA	0	1 of 25

INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR PROCUREMENT OF STEEL WIRE ROPE FOR DRIVING CABLE BELT CONVEYOR

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

FOR

DESIGN, MANUFACTURING, TESTING AND SUPPLY OF 51 MM DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR AT NALCO BAUXITE MINES, ODISHA, INDIA

National Aluminium Company Limited (NALCO), a Navaratna CPSE under Ministry of Mines, invites Expression of Interest (EOI) from Indian vendors for the titled project.

For more information please visit <http://www.nalcoindia.co.in> or www.eprocure.gov.in

Interested vendors may submit their Expression of Interest on or before xx/xx/2024 by 15:00 hours (IST) at the following address by post/courier.

DGM(Materials), Purchase
Department, Mines Division, NALCO
Damanjodi-763 008, Odisha

The EOI can also be sent by e- mail to subash.mishra@nalcoindia.co.in

CC: manoranjana.panda@nalcoindia.co.in, udeshwar.mehta@nalcoindia.co.in & sivanandha.k@nalcoindia.co.in

PROJECT TITLE		REVISION	DOC. PAGE
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INVITATION FOR
EXPRESSION OF INTEREST (EOI) FOR DESIGN,
MANUFACTURING, TESTING AND SUPPLY OF 51 MM
DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR
OF
NALCO MINES, DAMANJODI, ODISHA

PROJECT TITLE		REVISION	DOC. PAGE
 नलको NALCO PB Mines, Damanjodi	DESIGN, MANUFACTURING, TESTING AND SUPPLY OF 51 MM DIA STEEL WIRE ROPE FOR CABLE BELT CONVEYOR OF NALCO BAUXITE MINES, ODISHA, INDIA	0	3 of 25

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PART I: GENERAL TERMS

PROJECT TITLE		REVISION	DOC. PAGE
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1. INTRODUCTION:

National Aluminium Company Limited (NALCO) is one of the largest integrated Bauxite –Alumina – Aluminium – Power Complex in India having its Corporate Office at Bhubaneswar and Bauxite Mines Division at Damanjodi in the state of Odisha, India.

Panchpatmali Bauxite Mines Division of NALCO India invites Expression of Interest from interested bidders for supply of steel wire drive rope of 51 mm diameter for its overland cable belt conveyor. Cable Belt Conveyor of Nalco Mines is a 14.661 km long single flight, multi-curve conveyor. It is the most important and critical equipment and it is the only mode of Bauxite transportation from the Mine to NALCO's Alumina Refinery Plant.

The conveyor negotiates 16 nos. of horizontal curves with a minimum radius of 2800m and slopes up to 15 Degrees. The conveyor can operate at variable speeds up to 4.69 meters per second carrying bauxite at a maximum rate of 1800 TPH. The belt carries continuous shoes on both sides which sit on the endless loops of steel wire ropes of 51mm diameter for getting the necessary traction for the ore transportation. These steel wire ropes are driven by two 1200 KW motors driven by VFD through a gearbox located at the Mine end.

Since the Cable belt conveyor of Nalco Mines is single line conveying system and critical to Mine transportation system, BQC for wire ropes is made stringent as per the requirements. Accordingly, the qualified bidders of BQC may need to undergo different stages of trial developmental process.

The participants may go through the EOI document for an overview of the existing system, scope of supply, pre-qualification criteria, bidding terms and conditions and suggested response formats etc. Interested participants who meet the pre-qualification criteria may furnish their Expression of Interest (EOI) with all the necessary documents in a sealed cover along with the covering letter duly signed by an authorized signatory on or before 15th April 2024 by 15:00 hours to the address furnished in the covering letter format (Form-I) within due date & time.

2. OBJECTIVES OF THIS EXPRESSION OF INTEREST(EOI)

The objective of this EOI is to solicit proposals from the interested bidders for participation in a bidding process for supply of 51 mm dia steel wire rope for Cable belt conveyor as per the approved vendor development procedure of Nalco.

The job involves:

- Study of the existing setup of Cable belt conveyor of Nalco.
- Design, manufacturing, testing and supply of steel wire rope as per the vendor development procedure.

Through this EOI NALCO intends –

- a. To shortlist the bidders in accordance with the pre-qualifying criteria appearing in this document from the parties responding to the EOI proposal.
- b. To finalize the Term Of Reference (TOR) of the process after discussion with the short listed bidders only for subsequent tendering action which calls for inviting price bid only or both technical and price bid as deemed fit at that point of time based on the final TOR through tender enquiry from the short listed bidders.

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3. EOI ISSUING AUTHORITY

This Expression of Interest (EOI) is issued by the National Aluminum Company (NALCO), intended to short-list potential bidders. NALCO's decision with regard to the short-listing of bidders through this EOI shall be final and NALCO reserves the right to reject any or all the bids without assigning any reason thereof.

Table-1

Sl. No.	Item	Description
1 .0	Job Title	Procurement of 51 mm diameter Steel Wire Rope for Cable Belt Conveyor of Nalco Mines, Damanjodi
2 .0	Initiator Details	
2.1	Department	C&C Department, Bauxite Mines Division
2.2 A	Contact Person Technical	<p>Shri Manoranjan Panda General Manager (Mechanical) Mines Division, NALCO Damanjodi-763 008 Odisha India Email: manoranjan.panda@nalcoindia.co.in Cell No: +919437181172</p> <p>Shri Udeswar Mehta Deputy General Manager (Mechanical) Mines Division, NALCO Damanjodi-763 008 Odisha India Email: udeswar.mehta@nalcoindia.co.in Cell No: +919437054536</p>
2.2 B	Contact Person Commercial	<p>Shri Subash Chandra Mishra Deputy General Manager (Materials) Mines Division, NALCO Damanjodi-763 008 Odisha India Email: subash.mishra@nalcoindia.co.in Cell No: +919437124380</p>
3.0	Bid Submission Address	DGM (Materials), Purchase Section, Mines Division, NALCO, Damanjodi-763 008 Odisha, India.
Website		http://www.nalcoindia.com

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4. TENTATIVE CALENDAR OF EVENTS

The following table enlists important milestones and timelines for completion of bidding activities:

Table-2

Sl. No	Milestone	Date and time (dd-mm-yyyy; hh:mm)
1.	Release of Expression of Interest (EOI) Invitation	0 Date (Date of publishing in the GEM portal/CPPP/Nalco Web site)
2.	Pre-Bid Meeting for EOI (Optional)	2 Weeks (from Date of publishing in the GEM portal/CPPP/Nalco Web site)
3.	Last date for submission of written questions/query by bidders if any	4 Weeks (from Date of publishing in the GEM portal/CPPP/Nalco Web site)
4.	Response to the Queries	Within 7 days of submitting the written question/query
5.	Opening of EOI Responses	45 days (from Date of publishing in the GEM portal/CPPP/Nalco Web site)
6.	Meeting with EOI respondents (Optional)	Within 30 days of opening of EOI responses
7.	Declaration of Short-listed Firms	To be informed later

5. AVAILABILITY OF THE EOI DOCUMENTS

EOI can be downloaded from the NALCO website given under the EOI tab of Business Section. The bidders are expected to examine all instructions, forms, terms, job requirements and other details in the EOI documents. Failure to furnish complete information as mentioned in the EOI documents or submission of a proposal not substantially responsive to the EOI documents in every respect will be at the bidder's risk and may result in rejection of the proposal.

6. PARTICIPANTS' MEETINGS

A meeting with regards to any clarification required for this EOI may be arranged between participant and owner/contact persons at Mines Division, NALCO, Damanjodi, Odisha, India mentioned at Sl.no.2 of Table-1. As the said job is a critical to the operation of Mines transportation system, it is mandatory that the representatives of the interested organizations shall attend the participants' meeting at NALCO's Panchpatmali Bauxite Mines as regard to the EOI at their own cost. The purpose of the participant's meeting will be to provide participants with any clarifications regarding the EOI. It will also provide each participant with an opportunity to seek clarifications regarding any aspect of the EOI and to get the practical idea of the job. The meetings will be coordinated on behalf of the owner by the contact persons specified at Table-1, 2.2. A. Clarification at any point of time can be sought through email, telephone or video conference from the contact persons specified at Table 1, 2.2.A.

7. VENUE & DEADLINE FOR SUBMISSION OF PROPOSALS

Proposals, in its complete form in all respects as specified in the EOI, must be submitted to NALCO at the address specified above in Table 1 3.0. NALCO may, in exceptional circumstances and at its discretion, extend the deadline for submission of proposals by issuing an addendum to be made available on NALCO's website, in which case all rights and obligations of NALCO and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

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PART- II

TERM OF REFERENCE FOR THE JOB

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The Term of Reference (TOR) given in this part is for enabling the bidder to submit their response for EOI. This TOR in no case is to be presumed as final for Request for Quotation (RFQ).

A. TERMS & CONDITIONS FOR EXPRESSION OF INTEREST (EOI)

1.0 Item: 51 mm Dia. Steel wire Drive Rope for Cable Belt Conveyor

2.0 Quality & Specification:

- The specification of the material (Steel Wire Rope) shall be as per Annexure- 1.
- Special Conditions and Scope of supply shall be as per Part-II Clause-C of TOR.
- The methods of sampling and testing to be adopted for determining the acceptable quality/ specifications shall be as per Annexure-1.

3.0 Quantity: As per vendor development process document at Annexure 1

4.0 Delivery Schedule: As per vendor development process document at Annexure 1

5.0 Price: Price to be firm & fixed till execution of order.

6.0 The bidders are requested to submit the confirmation /views as the NALCO's required specification, the capability to supply the required specification & quantity with consistency and acceptance/feedback on Specification & terms conditions (Ref. Part-II C).

7.0 Discussion: The parties who submit EOI may be called for discussion on technical & commercial terms for further clarification, if any.

8.0 The party desirous to submit their expression of Interest must submit their offer in the enclosed proforma given at Annexures complete in all respect in sealed cover and super scribing on the cover "EOI for Design, Manufacturing, testing and Supply of 51 mm Dia. Steel Wire Rope for Cable Belt Conveyor at Nalco Mines, Damanjodi, Odisha" within due date & time.

9.0 Developmental Trial: Once the bidders are identified through EOI route, the tender will be floated in LTE mode of tendering process. Only those bidders who have qualified in BQC will be considered for this trial developmental process. Among the qualified bidders, the L1-bidder has to undergo the different stages of developmental process as furnished below to qualify for higher quantities.

The different stages of developmental process for wire rope procurement are

Stage-1: Procurement and performance assessment of 500 meters of rope.

Stage-2: Procurement and performance assessment of 6200 meters of rope subject to successful trial of Stage- 1

Stage-3: Procurement and performance assessment of 31000 meters of rope subject to successful trial of Stage- 2

Stage-4: Declaration as potential supplier subject to successful performance of Stage-3

(Note: The details of all stages are furnished in vendor development process document at Annexure-1)

B. TECHNICAL SPECIFICATION FOR CABLE BELT DRIVE ROPE

As furnished in Vendor Development procedure enclosed at Annexure-1

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C. SPECIAL CONDITIONS AND SCOPE:

1. Bidder's Scope:

- Design, manufacturing, testing, Packing & Forwarding of 51mm diameter steel wire rope as per specification in Annexure-1.
- The entire rope should be supplied in metal drums. The rope should not be over lubricated to the extent of causing slippage in drive Koepe wheels.
- The supplier must provide two sets of O&M catalogue (in hard copy) with detailed technical specification & also submit the soft copy.
- Delivery schedule: Within 2-3 months from date of placement of purchase order.

Note: The above scope of work and services is just an outline to give an idea to vendors interested for EOI about the involvement of work and services. This in no case is to be presumed as final for Request for Quotation (RFQ). The final scope and technical requirements will be more elaborate covering many other aspects of the requirements while inviting RFQ.

2. Standard, Quality and Inspection:

- The wire rope has to be manufactured confirming to British Standard BSEN 12385.
- The supplier has to provide a QAP for the rope manufacture and adhere to it strictly with necessary documentation.
- All the tests shall be carried out and reports to be submitted from NABL accredited laboratory only.
- The following rope parameters of rope reel shall be tested at the premises of the manufacturer before dispatch by a third-party accredited inspection agency:
 - Minimum breaking force of Rope: 1681.00 KN
 - Strand Wire Tensile Grade: 1820 MPA
 - Rope weight: 9.65 to 10.14 Kg/meter length
 - Lubricant content / meter of rope strand: 12 to 16.5 Gms. / meter of strand.

The cost of this inspection and certification shall be inclusive of the rope cost. The entire above test certificates shall be submitted along with the supply.

- If felt necessary, Nalco may depute their representative to be associated/ witness the test conducted by the third party (at Nalco's cost). The bidder has to facilitate the same.
- The supplier has to provide at least 3 sets of all inspection records and test certificates.

3. Warranty:

As per vendor development process document at Annexure 1

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PART- III BIDDING TERMS AND PRE-QUALIFICATION CRITERIA

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1. CONDITIONS UNDER WHICH THIS EOI IS ISSUED

- i. This EOI is not a commercial offer and is issued with no commitment. NALCO reserves the right to withdraw the EOI and change or vary any part thereof at any stage. NALCO also reserves the right to disqualify any bidder, should it be so necessary at any stage.
- ii. NALCO reserves the right to withdraw this EOI if it determines that such action is in the best interest of the organization.
- iii. The Term of Reference (TOR) given above is for enabling the bidder to submit their response for EOI. This TOR in no case is to be presumed as final for Request for Quotation (RFQ). Technical discussion will be held with short listed parties so as to decide upon the term of reference of the Project in line with the requirement of the project. Modalities and time for the discussion will be intimated to the short-listed parties at a later date. Based on the discussion with the short-listed parties a more detailed and elaborate TOR will be prepared covering all aspect of the project. The shortlisted bidders will also be given access to available drawings, documents and physical verification of the existing equipment and its accessories. The Short-listed bidders would be issued formal tender enquiry/Request for Quotation inviting their technical and commercial bids with final TOR.
- iv. Timing and sequence of events resulting from this EOI shall ultimately be determined by NALCO.
- v. No oral conversations or agreements with any official or employee of NALCO shall affect or modify any terms of this EOI and any alleged oral agreement or arrangement made by a bidder with any department, official or employee of NALCO shall be superseded by the definitive agreement that results from this EOI process. Oral communications by NALCO to bidders shall not be considered binding on NALCO, nor shall be any written materials provided by any person other than NALCO.
- vi. Neither the bidder nor any of the bidder's representatives shall have any claims whatsoever against NALCO or any of their respective officials or employees arising out of, or relating to this EOI or these procedures (other than those arising under a definitive service agreement with the bidder in accordance with the terms thereof).
- vii. Each applicant shall submit only one Pre-qualification requirements proposal.

2. RIGHTS TO THE CONTENT OF THE PROPOSAL

For all the bids received before the last date and time of bid submission, the proposals and accompanying documentation of the Pre-Qualification proposal will become the property of NALCO and will not be returned after opening of the pre-qualification proposals.

3. ACKNOWLEDGEMENT OF UNDERSTANDING OF TERMS

By submitting a proposal, each bidder shall be deemed to acknowledge that it has carefully read all sections of this EOI, including all forms, schedules and annexure hereto. Expression of Interest and has fully informed itself as to all existing conditions and limitations.

4. EVALUATION OF PRE-QUALIFICATION PROPOSAL

The bidders' Pre-Qualification Proposal in the bid document will be evaluated as per the requirements specified in the EOI and adopting the pre-qualification criteria spelt out in this EOI. The Bidders are required to submit all required documentation in support of the pre-qualification criteria specified (e.g. detailed project citations and

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completion certificates, client contact information for verification, profiles of project resources and all others) as required for evaluation.

5. LANGUAGE OF PROPOSALS

The proposal and all correspondence and documents shall be written in English.

6. PRE-QUALIFICATION CRITERIA

Pre-qualification criteria is enclosed at Annexure-1A.

7. RESPONSE REQUIREMENTS

- i. The Response to the EOI Requirements shall be prepared in accordance with the requirements specified in this EOI document and in the format prescribed in this document for each of the above-mentioned qualifying criteria as a proof of having the minimum requirements.
- ii. Proposals must be direct, concise, and complete. All information not directly relevant to this EOI should be omitted.
- iii. The EOI and Pre-Qualification Proposal shall be sealed and super scribed “Response to EOI and Pre-Qualification Requirements –PROCUREMENT OF STEEL WIRE ROPE OF 51 MM DIA FOR CABLE BELT CONVEYOR AT NALCO BAUXITE MINES, ODISHA, INDIA” on the top right-hand corner and addressed to NALCO at the address specified for bid submission in this document.
- iv. The proposal should contain the copies of references and other documents as specified in the EOI.
- v. NALCO will not accept delivery of proposal in any manner other than that specified in this document. Proposal delivered in any other manner shall be treated as defective, invalid and rejected.

8. QUALIFICATION REQUIREMENTS PROPOSAL

The EOI Proposal should be submitted in the sealed envelope with the following details. Bidders are requested to submit their responses for the EOI and Pre-Qualification Requirements in three (3) parts, clearly labeled according to the following categories:

- a. Part 1-Covering Letter: Covering Letter from the Bidder as per the format provided in Annexure – Form I
- b. Part II – Response
 - i. This part must include a general background of the respondent organization (limited to 400 words) along with other details of the organization as per the format provided in the EOI (Annexure – Form II).
 - ii. The bidder must also provide the financial details of the organization as per format provided in the EOI (Annexure – Form II). Enclose the mandatory supporting documents listed in format.
- c. Part III – Proven Track Record

Respondents must provide details (client organization, nature / scope of the project etc) of relevant project experience as per the format provided in the EOI (Annexure – Form III). Enclose the supporting documents listed at Annexure –Form III.

9. EVALUATION OF BIDDERS IDENTIFIED THROUGH EOI AND SHORTLISTING OF BIDDERS

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- The interested bidders shall be required to submit the relevant documents as sought in the EOI. The evaluation criteria for further scrutiny and evaluation of bidders is furnished as below.
- Evaluation of EOI: The bidders shall be evaluated for shortlisting, inter-alia, based on their past experience of performance in a similar field, technical capabilities and financial strength based on their submitted documents. Each bidder shall be assigned scores based on the sum of marks obtained for each parameter multiplied by the weightage assigned to that parameter. The minimum qualifying marks for eligibility is 3. The marks shall be awarded based on criteria laid out in the PQC furnished at Annexure-1. The top 10 bidders who secure the minimum required marks shall be shortlisted for further proceedings.
- Evaluation Criteria:

Sl. No.	Evaluation Criteria & Parameters	Max. Marks	Actual Marks	Weightage	Marks obtained
(a)	(b)	(c)	(d)	(e)	(f) = (d) x (e)
1	Past experience of the firm with similar requirements	5		30%	
	a. Relevant experience with supply of 51 mm dia rope or more				
	b. Relevant experience with supply of rope above 40 mm dia but less than 51 mm dia	4			
	c. Relevant experience with supply of rope between 32 mm and 40 mm dia	3			
2	Manufacturing capabilities	5		20%	
	a. Capability to produce more than 6.2 km length of rope in a single reel				
	b. Capability to produce > 5km and <6.2 km length of rope in a single reel	4			
	c. Capability to produce 5 km length of rope in a single reel	3			
3	Satisfactory operation	5		20%	
	a. for more than 5 years in any one installation				
	b. for at least 5 years in any one installation:	3			
4	Successful performance	5		10%	
	a. in 3 or more installations				
	b. in 2 installations	4			
	c. in 1 installation	3			
5	Average Annual Turnover figures	5		10%	
	a. in last five FY equal to that of PQC limit				
	b. in last four FY equal to that of PQC limit	4			
	c. in last three FY equal to that of PQC limit	3			
6	Net worth of the bidder	5		10%	
	a. in last three FY in positive trend				
	b. in last two FY in positive trend	4			
	c. in latest FY in positive trend	3			

Total marks = $\sum (f)$

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iv. Award of marks during evaluation:

The marks for each eligibility criteria shall be awarded in a 5-point scale as above and each criteria shall be evaluated after multiplying the marks awarded with its corresponding weightage to obtain the total qualifying marks.

10. SELECTION OF BIDDERS:

- i. The shortlisted bidders shall be asked to submit their commercial bids through LTE mode of tendering for 1st stage trial and based on the outcome of tendering process, L1 bidder shall be selected in the Vendor development process.
- ii. L1 bidder shall have to undergo the entire cycle of Vendor development process unless deemed disqualified in any stage as per the vendor developmental process.
- iii. In the event of disqualification, fresh tender will be floated on LTE mode among the remaining shortlisted bidders and the above steps will be followed.

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PART-IV: ANNEXURES

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FORM-I

(Company letterhead)

COVERING LETTER

[Date]

To,
DGM(Materials),
Purchase Deptt
Mines Division, NALCO,
Damanjodi-763 008, Odisha.

Ref: Expression of Interest for “**Design, Manufacture, Testing and Supply of Steel Wire Rope of 51 mm dia for 15 kms long cable belt conveyor at NALCO bauxite mines, Odisha, India**”

Dear Sir,

Having examined the Expression of Interest (EOI), I/we, the undersigned, on behalf of our company intend to participate in Procurement of Steel Wire Rope of 51 mm dia for 15 kms long cable belt conveyor and submit a Pre-qualification requirements proposal in response to the Expression of Interest (EOI) for the said project. We attach hereto the response as required by the EOI, which constitutes our proposal. Primary and Secondary contacts for our company are:

	Primary Contact	Secondary Contact
Name:		
Title:		
Company Name:		
Address:		
Phone:		
Mobile:		
Fax:		
E Mail:		

I/We confirm that the information contained in this response or any part thereof, including its exhibits and other documents is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead NALCO in its short-listing process. We fully understand and agree to comply that on verification, I/We also understand that incorrect information furnished in this process shall render the bid/ order liable for rejection at any stage of evaluation/ work execution. Our Company agrees for acceptance of all the terms and conditions set out in the EOI document. It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Dated this.....Day of.....2024

(Signature)
(In the capacity of)
(Name and Seal of Company)

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FORM-II

RESPONSE

1	Name of Company M/s. (Name & Complete Address of Tenderer) Fax No. Telex No. & Telephone No. E-mail Address Correspondence Address Name of Contact person Name of CEO Contact Telephone No/Mobile No. Email GSTIN & HSN Code (Indigenous)	:	
2	(a) Name and Address of the Manufacturer	:	
	Location of the plant from where (b) supplies shall be made	:	
	Annual production capacity (of each (c) plants)	:	
3	Please confirm that you can supply	:	Yes / No
(a)	wire rope strictly as per Specification furnished in ANNEXURE-1A		
(b)	If yes, give details of the wire rope analysis and Code/Standard adopted for manufacturing and testing along- with guaranteed value against each parameter as per Annexure 1B	:	Submitted/ Not submitted
(c)	If no, please give reason for the same	:	
(d)	Please confirm acceptance to method of testing and sampling as per Annexure-II	:	Yes / No
4	Maximum length of rope you can	:	
(a)	supply per reel as per the above specification		
(b)	Indicate shortest period for commencement of despatch from date of order of intended quantity of 500 meters of drive rope	:	
(c)	Please confirm delivery within 02 - 03 months from the date of order	:	Yes / No

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5	Tenderers/Manufacturers to submit : Submitted/ Not submitted technical literature about the process of manufacture of material, brochure of manufacturer and other credentials along with the tender			
6	Indicate past supply experience of wire rope for last three orders: Refer Form-III			
7	Indicate production & turnover information for last 3 years (i.e. 2020-21, 2021-22 & 2022-23):			
	Year	Production	Turnover in Rs.	Whether copy of Balance Sheet & Profit / Loss statement Submitted
(i)	2020-21			
(ii)	2021-22			
(iii)	2022-23			
8	Any other Reservation/condition with respect to this EOI & our existing Terms and conditions for wire rope (Annexure-1A) :			
9	Other relevant information, if any :			
10	Declaration We confirm, we have read and understood the Buyer's terms and conditions contained in their Expression of Interest Notice.			
	Place: Date:	Name: Designation: Seal:		

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FORM-III

PROVEN TRACK RECORD FOR SUPPLY OF WIRE ROPE FOR CABLE HAULED CONVEYORS

Description	Bidders' Reference			
	1	2	3	
Client's Name				
Address				
Tel.				
No.				
Fax				
E-mail				
Name of Contact person				
Copy of Purchase Order enclosed: Yes / No				
Major details of the conveyor like length of conveyor, Diameter of rope used, Age of conveyor, etc				
Month & year of supply				
Month & year of installation for regular operation				
Bidder's Scope of supply and Services in the cited project				
a) Basic Design				
b) Detailed Design and Engineering				
c) Manufacturing & Supply				
d) Testing				
e) Installation				
f) Commissioning				
Consortium partner or associate scope if any				
a) Basic Design				
b) Detailed Design and Engineering				

Note:

- This proforma duly filled in, stamped and signed shall be submitted along with the bid.
- Since the information requested in this proforma shall be utilized to assess the Bidder's capability and proven-ness of the offered package, it is in the interest of the bidder to pick those cases out of total list of references which most closely match with the NIT requirement.
- The bidder shall also ensure that all information asked for is furnished and the same is correct and complete in all respect. Incorrect information furnished in this proforma shall render the bid/ order liable for rejection at any stage of evaluation/ work execution, at the risk and cost of the bidder.
- For the referred installations, the bidder shall indicate the name of the user's contact person (along with his address, telephone no., fax no., e-mail id etc.) who may be contacted by the purchaser/ his representative, if necessary.
- The bidder may also furnish along with the bid his standard reference list for the offered equipment/package.
- Purchase Order Copy, Performance and completion certificates from the clients need to be enclosed with the proforma.

Bidder's Seal:

Signature of Bidder with date

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Annexure-1

VENDOR DEVELOPMENT PROCEDURE FOR DEVELOPING 51MM DIAMETER STEEL ROPE FOR CABLE BELT CONVEYOR OF NALCO MINES, DAMANJODI

1.0 INTRODUCTION:

Cable Belt Conveyor of Nalco Mines is a single-flight overland conveyor used to transport crushed Bauxite from Mines to Alumina Refinery situated at 14.6 km apart. This conveyor is driven by two endless 30 km long, 51 mm diameter steel wire ropes which in turn support the shoe-form belts to carry the ore.

The conveyor negotiates 16 nos. of horizontal curves with a minimum radius of 2800m and slopes up to 15 Degrees. The conveyor can operate at variable speeds up to 4.69 meters per second carrying bauxite at a maximum rate of 1800 TPH.

The whole driving force in form of tension, borne by these two steel wire ropes and subjected to continuous wear and tear while passing through different steel deflection pulleys and line Polly pulleys.

The rope is also subjected to continuous fatigue force while being passed though different bends and contours while in operation.

2.0 TECHNICAL SPECIFICATION FOR CABLE BELT DRIVE ROPE:

1. Item Description: Steel Wire Rope – 51 mm Diameter
2. Application: To be used as drive rope in Nalco's overland Cable belt conveyor
3. Specification:
 - (i) Nominal Diameter: 51 mm
 - (ii) Nominal length: As per the developmental criteria
 - (iii) Construction: Nomenclature: 6 X 25 F FC (1820 GAL, RHL, MBL 1681 kN, Nyrosten 113)
 - (iv) Number of strands and wires: 6 Strands with 25 wires per strand
 - (v) Strand shape: Round
 - (vi) Lay type: Right hand Lang's lay
 - (vii) Nominal lay length: 304 mm
 - (viii) Core type: Natural fiber core
 - (ix) Standard: To comply with BSEN 12385 Part-4 (which has replaced BS 302:1987 Part-5 but incorporates this standard)
 - (x) Minimum breaking force of wire rope: 1681 kN
 - (xi) Standard wire tensile grade: 1820 MPa
 - (xii) Wire finish: Drawn galvanized as per BS 443 type Z all wires
 - (xiii) Rope weight: 9.65 to 10.14 kg per meter
 - (xiv) Lubrication: Nyrosten 113 FS or equivalent
 - a. Strand lubrication: Nyrosten 113 FS or equivalent
 - b. Core lubrication: Cortex 165 or equivalent
 - c. Lubricant content: 12 – 16.5 grams per meter of strand
 - (xv) End termination: Should be open

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4. Reel: Total length of 6200-meter rope to come in a single reel on a steel rope drum with the following specifications
 - a. Width: 2500 mm
 - b. Reeling diameter: 1500 mm
 - c. Central hole diameter: 235 mm
 - d. With two nos. of peg holes of 83 mm diameter at a PCD of 788 mm on both sides for driving the drum
5. Test certificate shall be submitted for the parameters 3 (x), (xi), (xiii) and (xiv)c.

3.0 GUARRANTY/WARRANTY:

The supplier must guarantee / warranty the supplied rope against all defects in design, raw material, manufacturing assembly and performance for at least 19200 running hours of cable belt conveyor from the date of installation OR 30 Million tons of bauxite ore transportation OR 5 years from the date of installation, whichever is earlier.

4.0 DEVELOPMENTAL PROCESS

Objective: To identify the potential manufacturers/suppliers in India who can supply the steel wire rope as per the technical requirements and the required quality.

4.0 Bidder Selection and Tender Process: Bidders shall be identified through EOI route and tender will be floated in LTE mode of tendering process. Only those bidders who have qualified in BQC will be considered for this trial developmental process. Among the qualified bidders, the L1-bidder has to undergo the different stages of developmental as below.

4.1 Developmental Stages:

The different stages of developmental process for wire rope procurement are

Stage-1: Procurement and performance assessment of 500 meters of rope for service life of 2 years

Objective: To test the sample for fitment and compatibility with existing rope.\

Stage-2: Procurement and performance assessment of 6200 meters of rope for service life of 4 years subject to successful trial of Stage-1

Objective: To adjudge Vendor's capability for supply of long length rope and performance during its warranted life.

Stage-3: Procurement and performance assessment of 31000 meters of rope for service life of 4 years subject to successful trial of Stage-2

Objective: To adjudge Vendor's installed capacity to supply the required quantity with consistency in quality.

Stage-4: Declaration as potential supplier subject to successful performance of Stage-3

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4.1.1 Stage-1 Trial:

- (i) Placement of trial order (500 meters long wire rope).
- (ii) PDI at vendor's site as per vendor submitted and user accepted QAP before receipt of material at site.
- (iii) Installation of trial quantity (500 meters) of rope in the Cable Belt Conveyor System in the earliest available opportunity.
- (iv) Assessment of performance of sample rope. period for surface wear, broken wires, fatigue cracks, lubricant condition, etc as per rope standard (International Organization for Rope Way Transport (O.I.T.A.F)).
- (v) Performance evaluation of the sample at the end of 2 years/10000 hours/12million tons of transportation whichever is earlier.
- (vi) If the performance of the rope sample meets the acceptance criteria as per clause 4.3.1.1 below, the Stage-1 trial will be deemed to be successful and the bidder will be eligible for next stage trial. In case, the rope sample fails to meet the acceptance criteria 4.3.1.1, further trial will not be entertained.

4.1.1.1. Acceptance Criteria:

- (i) After initial elongation of 1% including settling-in elongation, the maximum reduction in metallic area of the rope should be less than 7% during its service life.
- (ii) During its service life, local faults in the rope should be less than 8 broken wires in 40 times the diameter of the rope. i.e., number of broken wires in 2.04 meter of wire rope length having diameter of 51 mm should be limited to 8.
- (iii) The used rope must exhibit at least 90% of its nominal breaking strength. In case the sample fails to meet any one of the above four criterion, the trial is deemed to be unsuccessful.

4.1.2 Stage-2 Trial:

- (i) Placement of order (6200 meters long wire rope)
- (ii) PDI at vendor's site as per vendor submitted and user accepted QAP before receipt of material at site.
- (iii) Installation of total quantity (6200 meters) of rope in the Cable Belt Conveyor System in the earliest available opportunity. The splicing is to be carried out by the splicers from suppliers at their cost.
- (iv) Assessment of performance of sample rope in its warranted period for surface wear, broken wires, fatigue cracks, lubricant condition, etc as per rope standard (International Organization for Rope Way Transport (O.I.T.A.F)).
- (v) Performance evaluation of the sample at the end of its warranted/ service life
- (vi) If the performance of the rope sample meets the acceptance criteria as per clause 4.3.2.1 below, the Stage-2 trial will be deemed to be successful and the bidder will be eligible for next stage trial. In case, the rope sample fails to meet the acceptance criteria as per clause 4.3.2.1, further trial will not be entertained.

4.3.2.1 Acceptance Criteria

- (i) After initial elongation of 1% including settling-in elongation, the maximum reduction in metallic area of the rope should be less than 10% during its warranted life.
- (ii) During its warranted life, local faults in the rope should be less than 8 broken wires in 40 times the diameter of the rope. i.e., number of broken wires in 2.04 meter of wire rope length having diameter of 51 mm should be limited to 8.
- (iii) The rope should cover the warranted period of 19200 running hours from the date of installation or 30 Million Tons of ore or 5 years operation from the date of installation whichever is earlier.
- (iv) The used rope must exhibit at least 85% of its nominal breaking strength. In case the sample fails to meet any one of the above four criterion, the trial is deemed to be unsuccessful.

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4.1.3 Stage-3 Trial:

- (i) Placement of order and receipt of material (31000 meters long wire rope) by December 2032.
- (ii) PDI at vendor's site as per vendor submitted and user accepted QAP before receipt of material at site.
- (iii) Usage of 31000 meters of rope on RHS of Cable belt conveyor in March, 2034. The splicing is to be carried out by the splicers from suppliers without any additional cost.
- (iv) Assessment of performance of sample rope in its warranted period for surface wear, broken wires, fatigue cracks, lubricant condition, etc as per rope standard (International Organization for Rope Way Transport (O.I.T.A.F)).
- (v) Performance evaluation of the sample at the end of its warranted/ service life (i.e., approximately by 2037) whichever is later.
- (vi) If the performance of the rope sample meets the acceptance criteria as per clause 4.3.3.1 below, the Stage-3 trial will be deemed to be successful. In case, the rope sample fails to meet the acceptance criteria 4.3.3.1, further trial will not be considered.
- (vii) If the performance is found satisfactory, the bidder will be declared as an established supplier at par with other suppliers.

4.3.3.1 Acceptance Criteria

- (i) After initial elongation of 1% including settling-in elongation, the maximum reduction in metallic area of the rope should be less than 10% during its warranted life.
- (ii) During its warranted life, local faults in the rope should be less than 8 broken wires in 40 times the diameter of the rope. i.e., number of broken wires in 2.04 meter of wire rope length having diameter of 51 mm should be limited to 8.
- (iii) The rope should cover the warranted period of 19200 running hours from the date of installation or 30 Million Tons of ore or 5 years operation from the date of installation whichever is earlier.
- (iv) The used rope must exhibit at least 85% of its nominal breaking strength.
In case the sample fails to meet any one of the above four criterion, the trial is deemed to be unsuccessful.

5. Payment terms for all three stages

- a. Payment for 80% (Eighty percent) of the basic supply value along with 100% taxes, shall be against supply of material.
- b. Payment for balance 20% (twenty percent) of the basic supply value shall be made after successful completion of installation & commissioning at site or successful completion of guarantee/ warranty period, whichever is later. However, this payment can be released upon submission of bank guarantee (BG) of equivalent amount and from any of NALCO's approved banks which will remain valid up to end of guarantee/ warranty period or till successful completion of installation & commissioning at site. The BG will be released upon successful completion of guarantee/ warranty period or completion of installation & commissioning at site, whichever is later and against due certification of Engineer-in-charge of NALCO.

6. Estimation of unit rate

The estimated price (unit rate) shall be based on lowest of the budgetary offers received from the short-listed vendors for Stage 1. Estimated price for stage 2 and 3 shall be based on the budgetary offer from the selected bidder for development. However, the estimated price should not be more than last ordered price plus appreciation at applicable rates.

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Annexure-1A

PRE-QUALIFYING CRITERIA

SUB: PROCUREMENT OF WIRE ROPE FOR CABLE BELT CONVEYOR OF MINES FROM DOMESTIC SOURCES.

A) TECHNICAL:

Technical Criteria	Documentary proof
<p>1. The bidders must have supplied and installed this type of fibre core / polymer core steel rope of minimum diameter of 32mm of minimum 5000m length for at least one cable belt installation /Aerial ropeway installation/ Mine hoist application in the preceding 10 (ten) years reckoned from the date of opening of the Techno-commercial Bids and should complete satisfactory operation of 5 years as on the same date.</p> <p>2. The bidder must be a manufacturer of Steel drive ropes.</p>	<p>1. The bidder should submit purchase order copies showing purchase order date, technical specification & quantity for assessment of technical criteria.</p> <p>2. Certificate of OEM / OPM has to be submitted by the bidder.</p> <p>3. Self-certification for the above supply and satisfactory operation shall be done by bidder with name of client with address and phone number to be submitted as a separate signed document in the bid.</p> <p>4. The bidder has to submit performance certificate issued by the client bearing the name and designation of the issuing authority. Performance / completion certificate may be considered only when they bear the name and designation of the authority issuing them. This is only applicable for performance / completion certificate issued after 30.06.2022.</p> <p>5. Nalco reserves the right to check the authenticity of such documents directly with the customer if required.</p>

B) COMMERCIAL CRITERIA:

Commercial Criteria	Documentary proof
<p>FINANCIAL TURNOVER: Average annual financial turnover of the bidder during the last three years ending 31st March of the previous financial year should be Rs 5.68 Crore minimum.</p> <p>The Annual Turnover shall be escalated @ 10 % (Ten Percent) per annum (simple interest) to bring them at current Price level. The Annual turnover of the latest previous year shall not be considered for any escalation.</p> <p>NET WORTH: Net worth of the bidder during the latest financial year shall be positive as per audited balance sheet.</p>	<p>The bidders have to submit the copies of audited financial statements/ profit & loss accounts of the relevant years in support of the qualifying criterion along with the bid. For bids received prior to 30th June of any year, the financial figure for the previous to previous year may also be considered for evaluation.</p> <p>Whereas for bids submitted after 30th June, the bidder may also submit financial statement for the previous year certified by Chartered Accountant/Auditor for consideration of their bid.</p>

NOTE: Failure to meet the above criteria or offer not accompanied by above details will render the bid to be summarily rejected. Therefore, the bidder shall in his own interest furnish complete documentary evidence by way of copies of purchase orders, invoices, supply and installation completion certificate and annual reports containing audited balance sheets and profit and loss accounts, statements for preceding 03 (three) financial years, corporate undertaking, etc. in the first instance itself, in support of their fulfilling the qualification criteria. NALCO reserve the right to complete the evaluation based on the details furnished in the bid without seeking additional information.

C: Certification of Generic nature of PQC: The above Technical PQC framed is Generic in nature and in compliance to the provision of extant rules & procedures of the Company.