

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page: 1 of 127

## NOTICE INVITING TENDER (NIT)

RFP No:

CPP/T&C/827/MC-5429/NIT/2024/301

DATE:29.10.2024

SUB:

R & M contract for Civil Maintenance work for the system of Fly ash disposal in lean slurry mode from CPP, NALCO to Bharatpur (South) abandoned mines void of M/s MCL, including return water system, CISF Barrack, Watch Towers for the year 2024-2026.

## INDEX

Sl.	Particulars	Annexure	Page
<b>PART-A</b>			
<b>General Information</b>			
1.	Company Information		6
2.	E-Procurement		6
3.	Purpose of this NIT		6
4.	Bidding Process		6-7
5.	Bid Evaluation		8
6.	Ordering		8
7.	General Conditions		8
<b>Instruction to Bidders</b>		<b>Annexure-A1</b>	<b>9-27</b>
1.	Scope of work		9
2.	Pre-Qualification Criteria (PQC)		9
3.	Litigation History		10
4.	E.M.D (Earnest Money Deposit)		10-11
5.	Bank Guarantee		12
6.	Order of precedence of contract documents		12
7.	Mode, Submission, Receipt and Opening of Tender		13-14
8.	Evaluation of Bids		14
9.	Acceptance of Tender		15
10.	Contract Period		15
11.	Occupational Health & Safety Management System		15-16
12.	Environmental Requirements		16
13.	Energy Management System (ISO 50001)		16
14.	Secrecy Terms		16
15.	Execution of Contract Agreement		17
16.	Supervision		17
17.	Payment of Wages to Engaged Labour at Site		17
18.	Labour Laws		17-18
19.	Gate pass & Security		18
20.	Material, Tools & Tackles		19
21.	Energy/Water/Ground/Building Premises		19-20
22.	Quantity & Rate		21-22
23.	Quality of Work		22
24.	Performance Security		22
25.	Taxes & Duties		22-23
26.	Billing & Invoicing		23-24
27.	Payment Terms		24-25
28.	Price Variation for Labour		25
29.	Price Variation for Fuel		25
30.	Defect Liability Period (DLP)		25-26

31.	Contractor's obligations and Penalty		26
32.	Recovery towards Compensation for delay		26
33.	Blacklisting/Banning/Suspension/Delisting/Holiday List		26-28
34.	Termination of Contract		28
35.	Arbitration		28
36.	Contract Closure		28
37.	Energy management system		28
38.	Mandatory guideline for saving energy		28-29
39.	Energy Policy		29
40.	Owner's Right to Accept or Reject a Bid		29
41.	Safety guidelines	Annexure-A2	30-31
42.	PPE Matrix/Requirements	Annexure-A3	32-35
43.	Environmental policy	Annexure-A4	36
44.	OHS Policy & Quality Policy, Guiding Principles and Commitment	Annexure-A5	37-38
45.	Social Accountability (SA) / Energy policy	Annexure-A6	39
46.	General Environment Requirement / Minimum safety equipment	Annexure-A7	40
47.	General Guideline to bidder on Reverse Auction	Annexure-A8	41-42
48.	Proposed site organization		43
49.	Compliance to Integrity pact		43-44
50.	Compliance to PPP-MII Order 2017(Amended on 16.09.2020)	Annexure-A9	45-47
51.	Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017	Annexure-A10	48-50
<b>PART-B</b>			<b>51</b>
<b>Contract Specific information</b>			
1.	Contract details & PQC (Technical / Financial)	Annexure-B1	52-57
2.	Scope of Work (SOW)	Annexure-B2	58-69
3.	Special Conditions of Contract (SCC)	Annexure-B3	70-71
4.	Price Bid (Quantity & Rate Schedule)	Annexure-B4	72
5.	Minimum Wages of Contract & List of PPE	Annexure-B5	73-74
<b>PART-C</b>			<b>75</b>
<b>Formats for contract execution</b>			
1.	Forwarding letter and Undertaking	Annexure-C1	76
2.	Mandatory information of the bidder	Annexure-C2	77
3.	Deviation statement	Annexure-C3	78
4.	Declaration by bidder	Annexure-C4	79
5.	Undertaking on downloaded tender	Annexure-C5	80
6.	Detailed work order execution statistics	Annexure-C6	81
7.	Financial details of Turnover/Networth	Annexure-C7	82
8.	Details of present commitments	Annexure-C8	83
9.	Tax invoice	Annexure-C9	84
10.	Bank Mandate for e-Payment	Annexure-C10	85
11.	Indemnity Bond – FIM	Annexure-C11	86-87

12.	Bank Guarantee E.M.D (Earnest Money Deposit)	<b>Annexure-C12</b>	88-89
13.	Bank Guarantee CPGB	<b>Annexure-C13</b>	90-91
14.	Bank Guarantee Performance Security	<b>Annexure-C14</b>	92-93
15.	Bank Guarantee FIM / Equipments taken outside the plant	<b>Annexure-C15</b>	94-95
16.	Bank Guarantee Advance	<b>Annexure-C16</b>	96-97
17.	List of standardized banks	<b>Annexure-C17</b>	98
18.	SAC codes for Services & HSN codes for supply	<b>Annexure-C18</b>	99
19.	Relationship with BoD	<b>Annexure-C19</b>	100
20.	Relationship with other employees of NALCO	<b>Annexure-C20</b>	101
21.	Pre-contract Integrity pact	<b>Annexure-C21</b>	102-108
22.	Affidavit for Litigation History Claim/	<b>Annexure-C22</b>	109
23.	Agreement	<b>Annexure-C23</b>	110-111
24.	Commercial questionnaire	<b>Annexure-C24</b>	112-114
25.	Checklist for bidder	<b>Annexure-C25</b>	115-116
26.	Checklist for submission of offer	<b>Annexure-C26</b>	117-119
27.	Appendix for documents to be submitted by bidder	<b>Annexure-C27</b>	120
28.	No Claim/No due certificate	<b>Annexure-C28</b>	121
29.	Work Completion Certificate	<b>Annexure-C29</b>	122
30.	Partial Work Completion Certificate	<b>Annexure-C29</b> A	123
31.	Anti-Profiteering Declaration Format (To be submitted with Bid)	<b>Annexure-C30</b>	124
32.	Anti-Profiteering Declaration Format (To be submitted at the time of release of Final Due)	<b>Annexure-C31</b>	125
33.	Declaration by Bidder for Implementation of Integrity	<b>Annexure-C32</b>	126

# PART –A

## General information

**1. Company Information**

1.1. National Aluminum Company Limited (NALCO), incorporated in 1981, is a premier Navaratna Public Sector Enterprise under administrative control of Ministry of Mines of Govt. of India in the field of Alumina/Aluminium having integrated multi-locational facility of Bauxite Mining, Alumina Refining, Aluminum Smelter, Power Generation and Port. NALCO has one of the major Aluminum production facilities consisting of Bauxite Mines, Alumina Refinery, Aluminium Smelter and Captive Power Plant, all located in the state of Odisha.

1.2. More details on NALCO can be viewed on company's website [www.nalcoindia.com](http://www.nalcoindia.com)

**2. E-Procurement**

2.2 The bidder wishes to participate in the published tender should have his firm registered in the E-procure government portal. Accordingly, bidder should do the registration in the tender site <http://eprocure.gov.in> using the option available. Then the Digital Signature registration has to be done with the e-token, after logging into the site. The e-token may be obtained from one of the authorized Certifying Authorities of Govt. of India such as MTNL / SIFY / TCS / nCode/ eMudhra / NIC etc. After that, bidder will login to the site through using his user ID & Password chosen during registration. The e-token that is registered should be used by the bidder and should not be misused by others.

2.2 Reverse Auction:- In case of Reverse auction tendering, the Date, time and quantum of decremental value will be mentioned in the NIT. Hence bidder should take a note of it and see the details as per [Annexure-A8](#).

**3. Purpose of this NIT**

3.1. CPP - NALCO invites digitally signed online bids under **OPEN / TWO PART** Tender system.

3.2. **The Salient features of the Tender are as detailed F-02 Form (Annexure-B1).**

**4. Bidding Process**

4.1 The entire set of Tender document needs to be uploaded and digitally signed in e-procurement site of CPP Portal ([www.eprocure.gov.in](http://www.eprocure.gov.in)) before the scheduled time of bid submission.

4.2 Bids will be received up to last date and time specified or extended bid due date, as the case may be through e-tendering at [www.eprocure.gov.in](http://www.eprocure.gov.in).

4.3 NALCO shall not be responsible for any expenses incurred by bidders in connection with the preparation & submission of their bids, and other expenses incurred during bidding process.

4.4 The bidders are advised to submit the tender document online well in advance before the prescribed time to avoid any last-minute hitch / problem.

4.5 After the bid submission, the acknowledgement number generated by the e-tendering system should be printed by the bidder and kept as a record of evidence for online submission of bid for the tender.

4.6 Further, bid shall be evaluated based on documents furnished. So bidder must ensure that all relevant documents are furnished at the time of submission of offer.

4.7 This NIT is in three parts .The part -A is mainly General information and instructions to bidder, Part-B is about the contract details and Part-C consists of various forms ,agreement formats, declarations etc. The bidder should go through full NIT before filling.

4.8 The bidder should go through '[Annexure-A1](#)' i.e. instructions to the bidders prior to bidding.

**4.9 Bidders are required to submit the hard copy of the followings in a sealed envelope and should reach General Manager (T&C) Tender & Contract Department, CPP, NALCO, Angul-759145 (Odisha) by Speed Post/By Hand before the due date & time of bid opening.**

4.9.1 Tender Fee, EMD and Cancelled Cheque (all in original). Copy of all these documents are also required to be uploaded in CPP Portal along with Bid documents.

4.9.2 Tender Fee & EMD is a pre-requisite other-wise the Tender will be normally rejected. However the Public Sectors, Government agencies and the Firms registered with DGS&D/NSIC /District Industries Centers(DICs) / Khadi & Village Industries Commission(KVIC)/ Khadi & Village Industries Board (KVIB)/Coir Board/ Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small & Medium Enterprises ,others for which specific exemption has been granted by NALCO such as Ancillary Industries etc and all Startups recognized by Department of Policy and Promotion (DIPP), Ministry of Commerce and Industry, Govt of India are exempted from payment of EMD. If the bidder desires the bidder may submit attested copy of certificate such as NSIC / MSME /other category mentioned above (for the service /work for which they are registered) for claiming EMD & Tender Fee exemption .

4.9.3 Affidavit in Original towards Litigation History duly signed after the NIT publication date.

4.9.4 Bid submission conformation page from e-Procurement System Government of India

4.9.5 The signed & sealed copy of "The Integrity Pact (**Annexure-C21**)

**4.10 Clarifications, if any, regarding this tender can be obtained from the undersigned through mail or phone no. at Pg-8 of**

**127**

before the TSD

4.11 After downloading / getting the tender schedules, the bidder should go through them carefully and then submit the documents as asked. If there are any clarifications, this may refer online through the tender site, or through the contact details. Bidder should consider the corrigendum published before submitting the bids online. Bidders in their own interest should get ready in advance to submit the bid documents as indicated in the tender schedule. These documents should be in PDF / XLS / RAR / DWF formats. If there is more than one document, they can be clubbed together.

4.12 Bidder should clearly fill up the PQC Technical (Detailed work order and execution statistics) (**Annexure-C6**) and Details of present commitments of the tenderer (**Annexure-C8**) for his offer evaluation. Suppression of credential / facts may lead to penal action as per procedure.

4.13 It is mandatory for the bidder to fill up the **Annexure-A9** (Preference to Make in India 2017), **Annexure-A10** (Restrictions under Rule 144 (xi) of GFR 2017), **Annexure-C19** and **Annexure-C20** (regarding declaration of the relatives in Nalco) and **Annexure-C3** (Deviation statement to the tender terms and conditions) and **Annexure-C4** (Declaration by the bidder) while submitting the offer.

4.14 Bidder should check his mail and CPP portal for any information regarding tender from time to time.

4.15 In case any specific adverse report is found against any bidder during enquiry about the statement made / credential submitted along with the offer documents in respect of capabilities, spare capacities, performance, completion certificates and criminal background of the bidder, the offer submitted by such bidder shall be rejected and penal action as deemed fit may be initiated.

4.16 If the bidder submits the bid in manual form (if permitted categorically in the tender), he should have already registered in the tender site and he shall have to mention the registration ID in the bid submitted otherwise his tender will not be considered.

4.17 Nalco reserve the right to seek any document / information at later stage in respect of evaluation of bid which the bidder must submit failing which the bid may be rejected.

## 5 Bid Evaluation

5.1 Evaluation will be done strictly in line with the facilities available under government website www.eprocure.gov.in i.e. based on documents uploaded by the bidder as per PQC. In case of non-compliance to the PQC requirement, i.e. any shortfall documents arise out of submitted technical as well as commercial credential submitted within tender submission date, bidders will be given only one chance under CPP portal to upload shortfall documents within a stipulated date. No new documents would be called up as part of PQC experience documents.

5.2 The technical acceptability will be strictly as per matching of PQC with submitted work credential by the bidder

5.3 In case any specific adverse report is received against any bidder and proved to be correct after enquiry about the statement made / credential submitted along with the offer documents in respect of capabilities, spare capacities, performance, completion certificates and criminal background of the bidder, the offer submitted by such bidder shall be rejected and penal action as deemed fit may be initiated.

**5.4 Concurrent commitment:** - The concurrent commitments of bidder on various jobs under execution by the bidder will be considered to assess the spare capacity available with the bidder. The bidder must confirm that they have disclosed all the works being executed by them in the offer. If the annualized concurrent commitments of the bidder plus annualized estimated value of the work (for single agency)/ annualized estimated maximum percentage of work in split case under consideration (for multiple agency) exceeds **four times** the average annual financial turnover during the last three financial years of the bidder, then the bid of such a bidder shall not be considered for further evaluation. **Suppression of fact /data regard to jobs under execution will be considered as gross violation and rejection of bid including penal action such as banning/ blacklisting, as deemed fit.**

The bidder has to submit complete list of concurrent commitments on all jobs under execution by them, which will be taken into account to assess the spare capacity available with the bidder.

Concurrent Commitment of the bidder shall be evaluated as on the last day of the Month previous to bid due date, based on the confirmation / declaration of the bidders that they have disclosed all works being executed by them. Bidders shall exclude all stalled project for which there is no progress in last one year giving reason for no progress considering above cutoff date. In case any adverse report / complaint are received against bidder and on enquiry found correct, offer shall be rejected and bidder shall be liable for appropriate legal action.

**5.5 In-house information for assessment of capability of bidder and their performance on jobs completed / in progress at NALCO shall be considered for evaluation purpose. In case of poor performance, the offer from such bidders shall not be evaluated.**

5.6 Nalco reserve the right to seek any document information at later stage in respect of evaluation of bid which the bidder has to submit failing which the bid may be rejected.

5.7 In case the Bidder submits the work experience as a sub-contractor (of the Main contractor), approval from the Principal agency/Client, for the engagement as Sub-Contractor of the Main Contractor, needs to be submitted along with Bid.

## 6 Ordering

6.1 On selection of Vendor for award of work, necessary internal approval processes will be completed, and during the said process, the Vendor Master data will be cross checked with documents like PAN Registration Certificate, GST Registration Certificate, Signed & Cancelled Cheque (with Name, Account No and IFSC Code printed on the Cheque) duly authenticated by the Vendor and attached to ANNEXURE- C10.

6.2 In normal circumstances the party in whose favor the work is awarded shall be issued with LOI. The party shall have to enter into an agreement in writing on non-judicial stamp paper of appropriate value as laid down in the GCC. The agreement normally consists of LOI, BOQ at the accepted rate, complete bid document, Schedule of Agreed Variation (if any) etc. The documents such as, correspondences, minutes of meeting, (if held with the party) etc. shall also form part of the contract agreement if required. On execution of Agreement a Detailed Order will be issued.

7 **General Conditions of Contract (GCC)** will be a part of the NIT.

**RAJESH SARKAR**

**Designation- DGM(Ceramic) Contracts**

Tender Inviting Authority

Tender & Contract Dept., CPP

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**INSTRUCTIONS TO BIDDERS**

SMELTER / CPP of National Aluminium Company Ltd (NALCO) is situated on NH-55 at approximately 6 KM away from ANGUL (District head quarter) and 5 KM away from Banarpal in Angul district of state of Odisha, connecting between Cuttack and Sambalpur.

**1.0 SCOPE OF WORK:**

The scope of work shall be as detailed is enclosed at **Annexure-B2**. The work shall be carried out as per direction of Engineer-in-charge/Manager-in-charge subject to special condition of contract given in **Annexure-B3**.

**2.0 PRE QUALIFICATION CRITERIA (PQC)**

**2.1** Single part Tender will be evaluated on the basis of price bids only. Hence, bidder should not take any technical/commercial deviations, otherwise their offer will be liable for rejection. For other type of tenders, wherever techno-commercial evaluation is to be done first, the bidders are required to submit documentary evidences for technical experience and financial capabilities as part of Pre-Qualification Criteria (PQC).

**2.2** It may be noted that the details of documents submitted in support of the PQC for Technical & Financial capabilities are to be specified in following formats. If no references are found in the stated Annexures and the bidder gets disqualified, non-cognizance of such documents by NALCO, even if attached somewhere else as part of bid documents, will not be seen as a deficiency in proper evaluation of such documents. Hence, bidders may ensure that such documents are invariably referred in the below-mentioned Annexures.

**2.2.1** Technical/Experience Criteria: **Annexure-C6**

**2.2.2** Financial Criteria : **Annexure-C7**

**2.2.3** The bidder should possess independent EPF, ESI, PAN & PAN based GST registration certificates respectively from the concerned Regional Provident Fund Commissioner for PF, Independent Account Code from concerned Regional Director ESIC for ESI, Direct Tax Authorities for PAN and Indirect Tax Authorities for GST, as applicable.

**2.2.4** Litigation history for criminal background: **Annexure-C22**

**2.2.5** The concurrent commitments of bidder on various jobs under execution by the bidder will be taken into account to access the spare capacity available with the bidder. Bidders are required to fill **Annexure-C8** for calculation at our end. **Suppression of fact and figures will liable to cancellation of bid and penal action as per rule.**

### 3.0 LITIGATION HISTORY:

- 3.1 The bidder is required to give the names of other firms / agencies / partnership firm / wholly owned or partly owned subsidiary etc. where they are having financial / professional stakes and also give a certificate if any such firm / agency is participating in the subject tender.
- 3.2 Bidder may note that any pending criminal case involving moral turpitude, fraud, theft & unlawful activities or conviction by court of law or indictment/ adverse order by regulatory authority against the person, company, Directors of the Company or sister concern of the Company, partner of the firm etc. would constitute disqualification for participating for tender.
- 3.3 The bidder or its proprietor /partner(s)/director(s) of the firm should not have been convicted by court of law for an offence involving moral turpitude in relation to the business dealing during past seven years for acceptance of the offer.
- 3.4 Litigation history for criminal background is to be provided by the bidder. The bidder shall give an affidavit to this effect as per the format at **Annexure-C22**. The affidavit must be affirmed before the competent judiciary authority or duly notarized by Notary.

### 4.0 EARNEST MONEY DEPOSIT (EMD):

**Earnest money** may be deposited through any one of the two procedures noted below. (refer sl no:4.3 of F-02 form of contract details, **Annexure-B1**.)

- 4.1 In shape of account payee Demand draft/ Banker's cheque/ Pay order, from any Nationalized or Scheduled Bank in favour of National Aluminium Company Ltd., payable to our bank as per the details below.
- 4.2 Through online bank transfer. The transaction confirmation document generated through online transaction, giving details of transaction is required to be provided as a separate document.-The credit of EMD in our Bank account would be confirmed before acceptance of bid. If the transaction is not reflected or reflected with wrong reference as on TOD or credited subsequently, then the bid shall be considered to be unaccompanied by any EMD and the bid will be liable for rejection.

*Our bank details for online transfer of EMD*

Sl.	Description	Smelter Plant	Captive Power Plant (CPP)
a)	Account Holder's Name	Nalco Smelter Plant	Nalco Captive Power Plant
b)	Bank Name	State Bank of India	State Bank Of India
c)	Branch Name	Kandsar	Kandsar
d)	Branch Place	Nalconagar	Nalconagar
e)	Branch City	Angul	Angul
f)	IFS Code	SBIN0008279	SBIN0008279
g)	Account Number	<b>10657908114</b>	<b>10657908589</b>

*Bank transfer details of EMD to be provided.*

- a) Amount transferred: Rs. \_\_\_\_\_
- b) Unique Transaction Reference (UTR) No.:
- c) Bank details from which the transaction was made:
- d) Date of transaction:
- e) Tender details (Number & Name of work):

Note: While making the online payment, the Tender Number may be mentioned in the text field of the transaction.——

Incase EMD amount is Rs.1.25 lakhs or more, EMD in the form of Bank Guarantee in prescribed format from NALCO approved Bankers (**Annexure-C17**) shall also be accepted. The original BG is to be submitted along with bid as indicated in the NIT.

- 4.3** Bids without EMD will be rejected. However, the Public Sectors, Government agencies and the Firms registered with NSIC/MSME , and others such as Ancillary Industries etc. for which specific exemption has been granted by NALCO may be considered for exemption from EMD subject to submission of attested documentary evidence in support of the same in sealed envelope as stipulated in NIT.MSEs having UAM no shall also submit supporting documents such as UAM certificate, CA Certificate (certifying that the unit is a MSE having valid MSE certificate ).
- 4.4** EMD of unsuccessful bidders will be refunded within 15 days of finalization of contract for single part bid tender and within 15 days of acceptance of techno-commercial offers by the Competent Authority in case of two-part bid tender.
- 4.5** The EMD shall be forfeited without any notice on any of the following situations.
- 4.5.1** On withdrawal of offer after expiry of submission date & time of bid offered.
  - 4.5.2** If the bidder does not submit the agreement prior to effective date mentioned in the Service Purchase Order/LOA/LOI considering the criteria of Clause No. 15.0 of this **Annexure-A1**.
  - 4.5.3** If the work is not commenced from the effective date of Service Purchase Order, after award of the work.
  - 4.5.4** At any point of time if it is found that the party has submitted any false declaration in his offer.
  - 4.5.5** If the bidder modifies its bid after the opening of the bids without written instruction from NALCO.

**5.0 BANK GUARANTEES: -**

- 5.1 The vendor may submit Bank Guarantee against Performance Security, Free Issue Material (FIMBG), Advance BG (ADVBG) and Contract Cum Performance Guarantee (CPBG) where ever applicable.
- 5.2 The BG in prescribed format (**Annexure-C11** to **Annexure-C16**) should be issued by approved Banks listed at **Annexure-C17** having its branch at Angul/Bhubaneswar and the BG should be registered in Structured Financial Messaging System (SFMS) for BG Confirmation and Lodging of claim. Place of Encashment may be limited to Angul/Bhubaneswar only.
- 5.3 The original EMD BG should be sent by the Bank directly in the address of Tender Inviting Authority (TIA) and for other BGs to EIC/MIC mentioned in the Work Order through Registered/Speed Post with AD. It may be noted that the BG Format requires mentioning of the address, Phone, Fax no. and email ID of the issuing Bank. On receipt of Original BG, it will be forwarded to Finance by EIC/MIC through Inter Office Memo (IOM).
- 5.4 Each BG contains a start date, expiry date and claim date. The validity of BG (Start date to expiry date) should cover the Tender/Contractual execution period. A further claim period of 3 months is required to lodge a claim for extension/encashment of BG if necessary. Therefore, the claim date should be 3 months beyond the expiry date. If a consolidated BG is provided including claim period, 3 months will be considered as claim period and accordingly BG extension should be provided to cover Tender/Contract requirement.
- 5.5 BG extension whenever required should ideally be provided 15 days prior to Expiry date from the same Banker against the Original BG with reference to the Tender/Contract. However, in specific cases if a new BG from a different bank is provided against the Original BG the subsequent BG should also cover the obligations under original BG period. The subsequent banker has to give an undertaking in this regard in their BG forwarding letter in letter head.

**6.0 ORDER OF PRECEDENCE OF CONTRACT DOCUMENTS:**

- 6.1 The documents as stated below shall constitute the integral part of Contract Documents. In the event of any ambiguity or conflict between the Contracts documents as given below, the order of precedence shall be the order in which they are listed. All documents forming part of this tender are intended to be correlative, complimentary and mutually explanatory. The tender documents should be read by the bidder as a whole before bidding the tender.
  - 6.1.1 Conditions of Integrity Pact.
  - 6.1.2 Bill of Quantity.
  - 6.1.3 Scope of Work/Technical Specifications.
  - 6.1.4 Drawings if any.
  - 6.1.5 Special Conditions of Contract.
  - 6.1.6 Instruction to bidders/NIT.
  - 6.1.7 General Conditions of Contract (GCC).
  - 6.1.8 Relevant Indian Standards.
- 6.2 If any varying or conflicting situation arises in any of the document forming part of the Contract, NALCO's decision with regard to intention/interpretation of the document and the decision shall be final and binding on the parties.

**7.0 MODE, SUBMISSION, RECEIPT AND OPENING OF TENDER:**

- 7.1 Corrigendum and/or Clarification, if any issued for the NIT shall form part of the Tender Documents. Corrigendum and/or Clarifications will be hosted on the web-site [www.eprocure.gov.in](http://www.eprocure.gov.in) and no separate intimation will be given to the bidders or released in the press. Bidders are requested to visit the web-sites from time to time to note the Corrigendum and/or Clarifications before submission of their bid. NALCO shall not be responsible if any bidder omits to notice any Corrigendum and/or Clarifications and make necessary change if required in their submitted final bid.
- 7.2 Telex/ Telegraphic/ Fax/ E-mail bids shall not be accepted.
- 7.3 Before submission of the bid, the bidders are requested to read the bid document carefully to make themselves fully conversant with the GCC, Special Conditions of Contract and Conditions of bidding, Specific conditions, technical Specifications and bid drawings if any. The bidder should visit site and get familiarized with the site conditions so that, no ambiguity may arise in these respects, subsequent to submission of the bids.
- 7.4 Nalco's General Conditions of Contract (GCC) & Special Conditions of Contract (SCC) if any shall form part of this contract. The tenderer is advised to go through the same either in the office of the Tender Inviting Authority during office hours to seek clarification if any, or may refer to NALCO web site and get them-selves satisfied before quoting the rates. It will be taken for granted by NALCO that tenderer has seen and gone through the terms and conditions and shall abide by same.
- 7.5 The forwarding letter / covering letters & information is to be included in the offer. The instruction given in the checklist of single part / two-part bids must be strictly complied.
- 7.6 Tenders are to be uploaded in the e-procure web site ([www.eprocure.gov.in](http://www.eprocure.gov.in)) on or before time & date specified at Sl. No. 5.0 of F-02 form of Contract Details, **Annexure-B1**. The PART-I bids in case of two-part tendering and Single part bid in case of LTE shall be opened at the time & date specified at Sl. No. 6.0 of F-02 form of Contract Details, **Annexure-B1**.
- 7.7 The price bids of technically qualified bidders shall only be opened on a later date. The date & time of opening of price bid shall be intimated to the qualified bidders through [www.eprocure.gov.in](http://www.eprocure.gov.in) website.
- 7.8 Bidders are advised to submit complete set of Tender documents along with ANNEXURE-B4 & ANNEXURE-C3 etc. under CPP Portal in the Online Mode. Price Bid shall also be uploaded online only.
- 7.9 All the supporting documents to meet the PQC need to be uploaded with the offer after attesting them by a gazette officer or notary public and are required to sign each page by the bidder or by their authorized representative. The hard copy of these PQC compliant documents should reach the office of the Tender Inviting Authority before the due date & time of bid opening.
- 7.10 **As per Manual for Procurement of Works 2019 Ministry of Finance Department of Expenditure 5.4.5 Normally no post bid clarification at the initiative of bidder shall be entertained. The shortfall information /documents if any may be sought only in case of historical documents which pre- existed at the time of tender opening and which have not undergone change since then. So far as the submission of documents is concerned after submission of the tender, Nalco may ask and consider, only related shortfall documents. For example, if the bidder has submitted a contract without its completion / performance certificate / annual turnover, the certificate can be asked for and considered. However, no new contract will be asked further so as to qualify the bidder. No post-bid clarification at the initiative of the bidder shall be entertained. Hence bidders are required to take due care to upload all relevant work credentials available with them in order to avoid rejection.**

- 7.11 Deviations of any form are not acceptable. In case deviation is unavoidable, bidders are instructed to give all deviations in the enclosed deviation statement sheet (**Annexure-C3**) only, along with the tender document. Please be informed that only deviation mentioned in Annexure-C3 will be considered for further evaluation. Deviations at any other place will not be considered. Deviations in LTE single part will not be considered in any case and the bids will be rejected.
- 7.12 Deviation(s) listed at any other place of the tender shall not be considered at all and shall not be binding on NALCO. The tender shall be evaluated based on the deviation statement and no claim whatsoever shall be entertained irrespective of bidder has accepted this particular clause or not.
- 7.13 In case of withdrawal of deviations to NIT specification, if any bidder insists for revision in price before opening of price bid and Nalco agrees for the same, the submission of price implication shall be in offline mode from the bidder in a sealed envelope by hand/password protected file through e-mail within a stipulated time.
- 7.14 NALCO reserves the right to defer the date of tender opening in case the response is considered inadequate or due to any other reasons. In such event, the bidders shall be intimated the next date of opening subsequently.
- 7.15 The bidder shall ensure submission of complete information / documents in the first instant itself. NALCO reserves the right to evaluate the offer based on the details furnished by the bidders on the scheduled date of tender submission without seeking any subsequent additional information.
- 7.16 All the pages of GCC duly signed & stamped by authorized signatory should be submitted along with the agreement / offer. In case of online offers, the copy of GCC is to be uploaded with the offer after digitally signed by the bidder.
- 7.17 Declaration regarding Relationship with Board of Directors and Employees of Nalco: The contractors must furnish certificate as mentioned in **Annexure-C19 & Annexure-C20** enclosed, disclosing in detail about their relatives in Nalco. Suppression of this information in any form if detected at any stage will lead to disqualification and lead to rejection of the offer or termination of the contract as the case may be. The concerned party may also be banned from participation in future tenders.
- 7.18 Owner's Right to Accept or Reject a Bid: A bidder may seek clarification regarding the bidding document provisions, bidding process and / or rejection of his bid. NALCO/Consultant shall respond to such queries within a reasonable time.

#### 8.0 EVALUATION OF BIDS:

- 8.1 The price bids of the techno-commercially qualified bids in case of two-part bid system & bids in case of single part bidding shall be evaluated as per the note of "Quantity & Rate Schedule" (**Annexure-B4**) in the excel format available in the e-procurement site.
- 8.2 In case there is a tie in L-1 position, the concerned bidders may be called to offer maximum possible discount on their quoted rates/revised rate in sealed envelope in order to decide the L-1 bidder among the considered bids.
- 8.3 In case "tie" of price bids, even after application of clause 8.2 above, the following criteria shall prevail in the given order.
- 8.3.1 Bidder having highest average turnover during last three years shall be preferred. Average Annual Turnover shall be decided based on audited profit and loss account submitted by the bidder for the last three financial years.
- 8.3.2 The contractor executing the same contract satisfactorily will be preferred.
- 8.3.3 The contractor of the previous contract, who has executed the same work satisfactorily, will be preferred.
- 8.4 In case of tie for L2 or other positions and L1 price matching is to be made for splitting of the job as per NIT condition, then L2, L3 etc positions shall be determined by applying criteria at sl no. 8.3 above.
- 8.5 **Where the tender is being finalized through GeM Portal, as per GTC applicable for GeM procurement, if multiple L-1 bidders have quoted the lowest allowed price for the tendered**

service (i.e. TIE cases), NALCO shall place the contract by selection of resultant bidder amongst the L-1 bidders through a random algorithm executed by GeM system. This will supersede Clause No. 8.2 to 8.4 as above.

#### 9.0 ACCEPTANCE OF TENDER:

- 9.1 NALCO reserves the right to reject or accept any or all the offers in full or part, split the work, reduce or increase the quantity, without assigning any reason thereof.
- 9.2 NALCO reserves the right to award the work in parts between two or more agencies if considered expedient. The quoted rates shall hold good for such an eventuality. Reference is also invited to clause No: 9 of General conditions of contract.
- 9.3 Validity of Offer: - The validity of the offers submitted by the bidders shall be as per F-02 Form i.e. Contract Details in **Annexure-B1**. In case the validity of offers expires during the processing of the case, all the bidders / techno-commercially accepted bidders shall be requested to extend the offer validity with same price and terms & condition of the tender. The offers of such bidders shall be rejected if they do not extend the validity unconditionally.
- 9.4 Bidders may note that, Brief Order / Letter of Intent / Fax of Intent / Service Purchase Order placed, is in acceptance of their offer by NALCO and shall be binding on them. However, the bidder has to return a copy of LOI / FOI / Service Purchase Order duly signed by them or their authorized representative as a token of receipt of the same within seven days of issue of the same for our records. In case of no communication of the same is received within the stipulated time from their end, it will be presumed that the party has received the Brief Order / Letter of Intent / Fax of Intent / Service Purchase Order.
- 9.5 Any communication such as Letter, BO, LOI, FOI, SPO etc. shall be communicated to the Bidder through Registered post/ Speed post/ Fax/ Hand delivery/ By mail registered with Nalco. Any communication through any one or more of above modes shall be valid and binding on the Bidder.

#### 10.0 CONTRACT PERIOD:

- 10.1 Timely completion is the essence of the Contract. The contract period for this work shall be as mentioned in Sl no:3 of F-02 form (**Annexure-B1**) of contract details and shall be applicable from the effective date as mentioned in the service purchase order/LOI. Time period of completion” of individual items/activities may be decided jointly by Manager-In-Charge and contractor, which shall be adhered to by the contractor.

#### 11.0 OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM:

- 11.1 **Safety:** The contractor shall have to take necessary safety arrangements/ precautions for the workmen engaged by him and shall be responsible for any First Aid / Emergency treatment for his labours / workmen. In addition, the contractor shall have to abide by all fire & safety regulations of the owner. The contractor has to execute the works after taking necessary instruction & safety clearance from the safety officer.
- 11.2 All lifting/handling tools & tackles deployed by the contractor should have been load-tested as per the prevailing rules & regulations. Mobile equipments such as Truck, Tractors, Tippers, Dumpers etc. shall have valid fitness certificate with due insurance required as per the prevailing rules & regulations. Wherever transport of material is applicable, the contractor has to ensure that goods carried during transportation do not exceed the permitted laden weight as certified by registering authority for the respective vehicles.
- 11.3 Personal Protective Equipment (PPE): The contractor shall have to provide all the necessary PPE to the workmen engaged by them as per the requirement, area wise as mentioned in the PPE format. In case the contractor fails to provide PPEs as per requirement, at the time of starting the job, they will not be allowed to carry out the assigned job. PPEs can be got issued from NALCO on request with recovery of purchase cost, plus administrative charge @25% of Procurement cost as penalty plus GST on administrative charges as applicable. (**Annexure-A3**).
- 11.4 The contractor, before starting the work, shall collect a copy of the **safety manual** from Safety Department and shall abide by all instructions mentioned therein.
- 11.5 The contractor shall be responsible to promote awareness on the OSHAS requirements among the workmen engaged by them for the subject job and ensure adherence to sound OSHAS related practices as detailed in the "**Occupation Health & Safety Policy**" enclosed herewith. The contractor shall be responsible for abiding by all the applicable provisions of safety code of

contractors which is available in the NALCO web site. The contractor shall contact Safety Dept. for getting necessary advice/compliances as required.

**Medical Checkup of Workmen:** Contractors will have to submit medical certificate from a Govt. Hospital or registered medical practitioner in the prescribed format for the workmen engaged by him along with application for gate pass and for annual renewal. No gate pass will be issued/ renewed unless the medical certificate is enclosed along with the application.

**12.0 ENVIRONMENTAL REQUIREMENTS:**

- 12.1 The contractor shall be responsible to promote awareness on the Environmental requirements among the workmen engaged by them for the subject job and ensure adherence to sound environmental practices as detailed in the "General Environmental Requirement & Environmental Policy" enclosed at **Annexure-A7**.
- 12.2 The contractor shall remove all the waste/debris generated during the work on each occasion & dispose off to a place identified by Manager-in-charge. The thorough up-keeping of the work spot before the contractor leaves the work spot is essential. In case the contractor fails to comply with the above, the owner may get the up-keeping done & recover expenses incurred plus administrative charge @25% of the expenses incurred as penalty plus GST on administrative charges as applicable from the contractor.

**13.0 ENERGY MANAGEMENT SYSTEM (ISO 50001):**

- 13.1 The Energy Policy of NALCO is attached (**Annexure-A6**). The Service Provider needs to comply all the requirements of the Policy in consultation with the Manager-in-Charge of the contract.
- 13.2 Mandatory guidelines for saving any form of energy: Energy is lifeline of an Organization and SMELTER / CPP, NALCO is implementing Energy Management Systems (EnMS) – ISO 50001 in all activities. The contractual service providers are advised to train his workmen for practicing the following "Dos & Don'ts" while executing the assigned work at site.

WHAT TO DO?	WHAT NOT TO DO?
1. Use compressed air for instrument cleaning if advised by NALCO	1. Never open any compressed air for body / dress/ vehicle cleaning.
2. Close water line valves if they are in open condition	2. Never allow any water line in open condition.
3. Use water for instrument equipment cleaning if advised by NALCO	3. Never use any water line of the plant for cleaning of bicycles / vehicles.
4. Use LPG for cooking if at all required	4. Never use any electrical heater for cooking or room heating.
5. Switch off lights/ fans in day time when not required	5. Never waste electricity in any way.
6. Touch only that part of equipment for which you are authorized by the Engr. I/C	6. Never touch any isolators / switches of any equipment.
7. Handle coke, pitch, oil (FO, HSD, LDO) & LPG with due care as they are costly.	7. Never waste any quantity coke, pitch, oil (FO, HSD, LDO) & LPG a drop of any types of oil.

**14.0 SECRECY TERMS: -**

- 14.1 The contractor shall use all the documents, drawings, data & information of proprietary in nature, received from NALCO, solely for the purpose of performing and carrying out the obligations on their part under this contract. He shall not disclose the same to any other person except to the extent required in the performance of the work and shall maintain the utmost secrecy. Contractor and NALCO shall bind their employees, who are involved in engineering of the project by a suitable secrecy contract. The documents, drawings, data and information received from NALCO shall not be used by contractor for any other purpose and will also keep them confidential. All data, documents and information provided by Contractor during the course of execution of the work will be treated as confidential by NALCO and will not be released to any third party, without specific written permission of Contractor.
- 14.2 **Breach of Secrecy:** In case of breach of secrecy by the Contractor, Nalco will have right to terminate contract, Performance Security and claim damages from the party.

**15.0 EXECUTION OF CONTRACT AGREEMENT:**

- 15.1 The contractor shall have to execute an agreement on **Rs.50/-** non-judicial stamp paper to be purchased from any stamp vendor under the jurisdiction of the Orissa High Court, in the specific format (**Annexure-C23**). Issuing authority of work order shall sign the agreement on behalf of NALCO. The agreement shall not be required to be executed for work orders of value less than or equal to **Rs.1,00,000/-**.
- 15.2 The agreement should be submitted to T&C Department, within **10 days** of issuance of LOA/LOI or at least 10 days prior to effective date mentioned in the Service Purchase Order.
- 15.3 Contract Agreement is mandatory before starting of work. EIC/MIC will ensure before Gate Pass is issued.
- 15.4 No bill shall be payable unless the agreement is signed, if signing of agreement is applicable

**16.0 SUPERVISION:**

- 16.1 The contractor shall have to work as per direction of the Manager-in-charge and shall report to him daily regarding day-to-day progress. The contractor shall give full access to the Manager-in-charge / authorized representative of NALCO to inspect day-to-day work executed by the contractor. Besides, the Contractor will take full responsibility to ensure proper workmanship, good quality of work and supervision during the contract period without any additional cost.
- 16.2 Under prevailing statute, the supervision should be carried out by a capable competent person.

**17.0 PAYMENT OF WAGES TO ENGAGED LABOUR AT SITE:**

- 17.1 Payment of wages to the labour employed by the contractor shall be as per the Central Government notification fixing minimum wages for different categories of labour in Central Public Enterprises from time to time plus an additional element as indicated below (as a part of wages).The contractor shall have to make labour payment accordingly, along with applicable statutory benefits. Therefore, the contractor must quote their rates considering the labour rates indicated at **Annexure-B5**.
- 17.2 The contractor has to ensure payment of minimum bonus @ 8.33% on the notified minimum wages for each category including the additional elements but excluding canteen subsidy (Considering minimum salary as Rs.7000/- per month) to all his workmen engaged in the contract annually.
- 17.3 As per statutory provisions, contractors will have to pay the monthly wages of contract labourers latest by 10<sup>th</sup> of subsequent month as well as deposit the statutory contributions within due date. In case of failure to do so, NALCO as principal employer will pay wages/release the payments to the concerned labourers at any time after the 10<sup>th</sup> of subsequent month without any further intimation.
- 17.4 If the date of payment is beyond 10<sup>th</sup> of subsequent month or there is direct payment, Nalco reserves the right to recover up to 25% as administrative charge on the amount of labor payment plus GST on administrative charges in the RA/Final Bill.
- 17.5 The contractor failing to make payment of labour wages as per applicable Law, may be debarred / banned for conducting future business with NALCO.

**18.0 LABOUR LAWS:**

- 18.1 The successful bidder shall abide by all applicable statutory provisions in respect of workmen deployed by him to the satisfaction of Central & State Government Authority. The contractor shall comply with the provisions of all statutes and amendments thereof at their cost for different legislations as under. The contractor shall have to abide by and comply with any Modification/ Change/ Amendment to the existing laws or introduction of any new law relating to the work and rules framed there under from time to time. The list is indicative and not exhaustive.
- 18.1.1 Building & other Construction Workers (RE & CS) Act 1996

- 18.1.2 Child Labor (Prohibition & Regulation) Act 1986,
- 18.1.3 Employees' Provident Fund and Miscellaneous Provisions Act, 1952.
- 18.1.4 Employees' State Insurance Act, 1948.
- 18.1.5 Factories Act, 1948
- 18.1.6 Industrial Dispute Act 1947,
- 18.1.7 The Inter-state Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1976
- 18.1.8 The Maternity Benefit Act 1961
- 18.1.9 Minimum wages Act 1948.
- 18.1.10 Payment of Wages Act 1936,
- 18.1.11 Payment of Bonus Act 1965,
- 18.1.12 Payment of Gratuity Act, 1972
- 18.1.13 Employees' Compensation Act 1923.
- 18.1.14 Contract Labour (R&A Act, 1970)

## 19.0 GATE PASS & SECURITY:

- 19.1 Normally before starting of work, EIC/MIC will ensure that Contract Agreement is signed otherwise, Gate Pass should not be allowed. Therefore, the contractor shall have to produce the Contract Agreement and arrange valid gate pass for the labour/ workers engaged by him in order to enter into the factory premises if the work is to be executed inside the plant. (Refer Form No: F-02 of Sl. No- 15 at Annexure-B1).
- 19.2 **Issue & Use of Electronic ID Card:** All the contract workers will be provided with electronic entry/exit pass by CISF before mobilization of site/commencement of work by the contractor. All contract workers shall use this ID/Punch cards for making entry into /exit from the plant. After expiry of the contract, ID/Punch card will be surrendered by the workers at the time of closure of contract through the contractor. In case of loss /missing of ID/Punch card, contractor has to deposit Rs. 200/- per card in the cash counter of NALCO for issue of fresh identity card. In case of discontinuation of job by the workers, the cards will be surrendered to the CISF under intimation to unit HRD.
- 19.3 Attendance of contractor's workers will be regulated through biometric punching systems. In case of discrepancy, decision of EIC/MIC will be Final & Binding on the contractor.
- 19.4 **Use of Online Contract Labour Management System (CLMS):**  
An online Contract Labour Management System (CLMS) has been launched across NALCO w.e.f. 01.07.2017. As per the portal architecture, every contractor employing contract labour in NALCO shall have to use this online portal for various activities like safety clearance, issue of gate pass, application for license in Form II, issue of certificate from Principal Employer (NALCO) in Form III for obtaining license from the Central Labour Department, preparation of monthly wage sheets, issue of wage slips, employment cards, preparation and filing of returns, maintenance of statutory registers etc. The contractors have to use the CLMS for entering relevant data about themselves and the labour engaged by them for getting the benefits of the system. Since the package has been developed as per the mandate given by the Management and is being closely monitored by the Ministry of Mines as an item on the DASHBOARD, use of the system is mandatory for the contractor.
- 19.5 **TIME OF WORK: The factory timings are as follows:**  
'A' shift-6.00 AM to 2.00 PM, 'B' shift-2.00 PM to 10.00 PM, 'C' shift-10.00 PM to 6.00 AM,  
'G' shift-8.00 AM to 5.00 PM (with 1.00 Hr lunch break from 1PM to 2PM)

**20.0 MATERIAL TOOLS & TACKLES:**

**20.1** The contractor shall have to make his own arrangement for supply and storage of his materials / consumables and general tools, tackles, welding sets, electrodes, chain pulley blocks, slings, gas welding/cutting sets, in connection with execution of work. No extra payment shall be applicable for such provisions. Wherever required consumables of approved quality like general purpose welding electrodes, cleaning agents, Oxygen gas, D.A. gas, etc to execute the contract shall be in Contractor's scope and contractor must arrange these materials at their own cost unless mentioned otherwise in the tender documents attached herewith. Apart from the above any job /tender specific requirement of materials is indicated in special condition of contract.

**20.2 FREE ISSUE MATERIALS / CONSUMABLES:**

Unless mentioned otherwise in the attached tender documents, Argon Gas & Co<sub>2</sub> gas will be supplied by Nalco as Free Issue Item if required for the work executed inside plant. The contractor will do transportation from issue point to work site.

**Issue of cement and steel** as Free Issue shall be governed by clauses 52 to 54 of GCC unless mentioned otherwise in scope of work / special conditions / BOQ or elsewhere in this tender document subject to the followings:

**20.2.1** For issue of materials within plant boundary wall limit, the contractor shall submit only indemnity bond for the entire value of materials issued to them free of cost as per clause 53 (ix) of GCC.

**20.2.2** For the materials which are issued for outside plant boundary such as Ash Pond area , Intake Pump House , Lean Slurry area , Bidyut Nagar Colony , township, CISF Barrack etc, the contractor shall furnish Bank Guarantee equivalent to 20% of the value of material and indemnity bond equivalent to 80% value of materials being issued to the contractor.(Ref Sl no. 8.1 & 8.2 of Form F-02 (**Annexure-B1**) of Contact Details)

**20.2.3** For materials taken out side plant to the vendor's shop, Bank Guarantee equivalent 100% of the value of the materials will be submitted by the vendor before taking out the materials.

**20.2.4** The Indemnity bond and the Bank Guarantee shall remain valid till the material account is totally settled. The BG and Indemnity Bond shall be submitted in the prescribed format enclosed (Refer **Annexure-C15 & Annexure-C11**).

**20.2.5** The materials drawn if any by the party as "free issue materials" from NALCO should be reconciled. The reconciliation statement of free issue items / materials should be submitted to the EIC/MIC for certification to be submitted along with RA Bill. The final reconciliation statement should be submitted along with final bill for release of final payment.

**21.0 ENERGY/WATER/GROUND/BUILDING PREMISES:**

**21.1** Provision of Power/Water/Land/Building to Contractor's Works.

**21.1.1** Lump Sum Turn Key (LSTK) Contracts- Electricity charges shall be billed @ Rs.4.30 /KWH on meter reading. Water charges will be billed on monthly basis by Estate department, @ Rs. 150.00 per month or part thereof. Ground/Building Premises inside plant will be provided without any rent. However Building premises provided inside Township will be on chargeable basis as per Rent Circular.

**21.1.2 Other than LSTK Contracts : If Electricity and Water** is required for the work to be executed, it will be supplied by Nalco free of cost from any suitable point. The contractor shall have to make arrangements, at his own cost, for tapping and using the power/water so required as per advice EIC/MIC. Ground/Building Premises will be provided without any rent.

**21.1.3 For availing Electrical energy**, the contractor shall have to provide, at his own cost, a MCB (Miniature Circuit Breaker) at the point of power supply by Nalco. The MCB shall have to be of a suitable capacity as decided by Nalco's electrical authorities for the concerned area and shall have to be replaced, as and when warranted, on the grounds of changed power requirements or the MCB having been defective and/or damaged.

- 21.2 Power and Water Supply to Contractor's Establishment:** The following points shall be complied in addition to Nalco GCC Clause No. 2.3 for giving power supply to Contractors' Establishments:
- 21.2.1** Power and Water supply will be provided to the contractor to whom the permission has been granted by Estate Department to have establishment in the township/plant as per requirement. Ground/Building Premises inside plant will be provided without any rent. However Building premises provided inside Township will be on chargeable basis as per Rent Circular.
- 21.2.2** Contractor have to make all arrangements to receive power from designated panels by laying necessary cables and installing suitable distribution board. They have to apply to Estate department through the Engineer-in-Charge. The application will be made in prescribed format and a completion certificate by licensed electrical contractor will be enclosed. The representative of DGM (Elect) will inspect the installation and after getting their clearance, power supply will be charged. The individual establishments are to be maintained and managed by contractors as per IE rules.
- 21.2.3** At the time of charging of power supply, initial meter reading will be jointly noted by representatives of contractor, Estate Department and Electrical Department.
- 21.2.4** Every month, energy meter reading will be jointly taken by representatives of Estate Department and Electrical Department. Electricity Bill will be raised by Estate Department @ Rs.4.30 per KWH basing on the meter reading as per the prevailing rate. However, the rate is subject to revision time to time.
- 21.2.5** Water charges will be billed on monthly basis by Estate department, @ Rs. 150.00 per month or part thereof. However, the rate is subject to revision from time to time.
- 21.2.6** The contractor has to deposit Water & Electrical Charges on monthly basis. While processing any Final Bill relating to any work, the contractor has to submit clearance certificate from Estate Department covering period under Final Bill.
- 21.2.7** While processing final bill of the contractor they must enclose Disconnection Certificate from Estate Department for power/water supply connection or Certificate regarding Continuation of connection due to other valid contract with proper reference through concerned EIC & Estate Department.
- 21.2.8** The final bill will not be processed without compliance of the above. (Supporting document to be attached)
- 21.3** The contractor must dismantle the structure constructed by him for the purpose of office-cum-store on completion of the contract as per the provision of GCC clause no.2.4.2. If the same is not dismantled within two months of completion of contract, he will not be issued any tender paper or will not be allowed to participate in any tender. Besides with-holding of final bill, other penal action as per contract / Law as deemed fit may be initiated against the contractor.
- 21.4** Following penal actions shall be initiated against the unauthorized occupant;
- 21.4.1** Disconnection of power and water supply lines to be made,
- 21.4.2** Penal rent @ Rs.10,000/- per month Plus GST as applicable or part thereof towards the ground rent and 20 (twenty) times penal rent towards electricity and water charges shall be recovered,
- 21.4.3** Initiation of eviction proceedings in the Estate Court for outside Plant establishments

## 22.0 QUANTITY & RATE:

- 22.1** The quantity & rate schedule format is enclosed at **Annexure-B4**. Bidders are required to quote their rates in figures as well as words in the enclosed **Annexure-B4** only. In case of any discrepancy between rate in figures, words and amount quoted by the bidder, the relevant provision of GCC will apply to resolve the matter.
- 22.2** The tenderers must quote their most reasonable and workable rate. Overall total evaluated price for all items of schedule of quantities shall be the basis for determining the reasonableness of price and gradations of the tenders. In case the offered price of the tenderer(s) is found to be abnormally low (un-workable), based on the rate approved by NALCO (**if applicable, refer clause no.1.1 (ii) of Annexure-B1**), the tenderer(s) may be asked to justify their quoted rates within ten days of issuance of letter to that effect through email. The bidder must provide written clarification including detail price analysis of its bid price in relation to Scope, Scheduled, allocation of risks and responsibility, and any other requirement of the bid documents. However, if after evaluating the price analysis, NALCO determines that, the bidder has substantially failed to demonstrate its capability to delivered the contracts at the offered price, then NALCO may reject the bid / proposal. NALCO also reserved the right to award the job without seeking clarification or receiving clarification from the bidder about the price reasonability. In case of non-acceptance of work order, EMD furnished by the bidder shall be forfeited. **(CLAUSE NO. 22.2-NOT APPLICABLE, if Minimum workable offer is not applicable [Refer Caluse No.1.1 (ii) of Annexure-B1])**
- 22.3** Bidder shall quote in figures and in words for the rates tendered by him in the “Quantity & Rate Schedule” (**Annexure-B4**) forming part of the documents, in such a way that misinterpretation is not possible. The amount for each item shall be worked out and entered in the requisite column for all items.
- 22.4 Price bids must not contain any conditions stipulated by the bidders. Conditional price bids are liable for rejection.**
- 22.4.1** No discount over quoted rate / total amount should be mentioned separately in the offer.
- 22.4.2** No additional rate over quoted rate / total amount should be mentioned separately in the offer.
- 22.4.3** Bidders shall submit the details about engagement of Agents/ Middlemen/ Intermediary/ Consultants / Service Providers and payments proposed to them by the bidder and it should be a part of the present bid.
- 22.4.4** All corrections and alterations in the entries of tender document if any shall be signed in full by the bidder with date. No erasures and over writings are permissible.
- 22.4.5** Bidders are required to quote for all items of the “quantity and rate schedule” (**Annexure-B4**) otherwise the offer will be dealt as per rules of NALCO & may be rejected as an incomplete offer.
- 22.4.6** Bidders are required to quote their best prices considering the fact that price negotiation, if required, may be held with the lowest bidder only.
- 22.4.7** Bidders are required to quote their rates up to two decimal places only. Decimal digits beyond two will be rounded off to two decimals for evaluation/placement of order.
- 22.5 Quantity Variation:**
- 22.5.1 Item rate contracts:** The Quantities mentioned in the schedule are approximate in nature and may vary by a wide margin within the contract value for which the contractor shall have no option but to execute the works, as per direction of the Manager-in-charge at the same rates, terms & conditions of the order. NALCO may negotiate the rate of items whose execution quantities is considered for increase during their execution, which will be agreed mutually. Payment shall be released to the contractor for the actual executed quantity only.

**22.5.2 Lump sum/ Turnkey Contracts:** In case of Lump sum/ Turn key (LSTK). Adjustment to the contract value due to such change in scope of work shall be governed by the provisions of GCC.

**22.6 REVISED PRICE IMPLICATION:**

22.6.1 In case of necessity due to post tender changes in specifications/scope of work / terms & conditions of NIT etc. before price bid opening, corrigendum shall be issued regarding the changes to all concerned techno-commercially qualified bidders and they shall be permitted to submit the corresponding price implication if any in offline mode in sealed envelope by hand/password protected file through e-mail within a stipulated time.

22.6.2 The price implication submitted in offline mode by the bidders (Refer Clause 7.13 & 22.6.1) shall be opened and uploaded in CPP Portal before opening of original price bids. The evaluation will be done taking into account the original on-line price bid along with offline price implications.

22.6.3 In no case, bidder shall be allowed to submit revised price bid post bid submission date.

**23.0 QUALITY OF WORK:**

23.1 The contractor shall execute the job under their adequate supervision in accordance with the best engineering practices and the specification laid down in the enclosed Annexures. NALCO may inspect the work any time without notice to the contractor and may order re-execution of sub-standard work reserving the right to recover compensation in terms of GCC.

23.2 Inspection and test procedure given in the relevant clauses of the contract or BIS codes or other codes in practices as specified in the Scope of work / Special Conditions of Contract should be strictly followed.

23.3 Contractor shall use instruments calibrated in a Laboratory, accredited to NABL / Laboratory approved by the manufacturer for measurements/tests/inspection.

**24.0 PERFORMANCE SECURITY:**

24.1 On receipt of the order, the successful bidder shall deposit with NALCO an amount, equivalent to 10% of the order value for value of contracts not exceeding **Rs. 1.0 crore**, 7.5% for the value of contracts over **Rs. 1.0 crore** up to **Rs. 5.0 crores**, and 5% of the value of contracts over **Rs. 5.0 crores** by the person(s), here in after called as contractor as Security Deposit within 21 days from the date of issue of Service Purchase Order/LOA/LOI. This amount will have to be suitably enhanced to the tune of above percentage of the executed value.

Alternatively, Initial Security Deposit amounting to 2.5% of the contract value shall have to be deposited, within 21 days of receipt of Service Purchase Order /LOA/LOI by him. In this case, the balance amount of the security deposit shall be recovered through deductions from bills as indicated under Payment term .

In case the successful bidder fails to submit the ISD /SD, with in a period of 21 days from the date of issue of Service Purchase Order / LOI, the ISD amount along with a simple interest @12% per annum as penalty, applicable from the date of Service Purchase Order till the date of submission of ISD or submission of 1st RA bill, shall be recovered starting from 1st RA bill .

24.2 The contractor can submit the initial SD or total SD in the form of either bank draft or bank guarantee from any NALCO approved bank in the prescribed format {ref Annexure-C14}

24.3 The Earnest Money Deposited along with the tender, by the successful bidder, if any shall be adjusted towards security deposit / initial security deposit.

24.4 The performance security /SD will be released along with release of final bill if there is no DLP or on successful completion of the DLP, with certification of Manager-in charge / Engineer-in charge. The vendor has to claim such refund along with Final Bill or within 15 days from the closure of DLP as the case may be.

**25.0 TAXES & DUTIES:**

**25.1 GOODS & SERVICES TAX (GST)**

25.1.1 The Rates indicated in **Annexure-B4** are inclusive of all but exclusive of GST.

25.1.2 The contractor must provide GST No including copy of Registration Certificate.

25.1.3 The Trade Name in GST Certificate should match to the name in vendor code and name in the Cheque. The Legal name in the GST Certificate should match to Legal Name in the PAN. In case

of a Company or a Firm all the names should be same. But in case of Sole Proprietorship, the Legal Name and Trade Name may be different.

- 25.1.4** The contactor should submit the GST Invoice as per the format **Annexure-C9** providing HSN / SAC Code (first 6 digits) and GSTIN of both Vendor and Nalco in the form of Business to Business (B to B) transaction.
- 25.1.5** As per Rule-46 of GST Act, the Serial Number of Tax Invoice should be maximum up to 16 digits, and should be unique for a Financial Year.
- 25.1.6** As per Rule-47 of GST Act, time limit for issuing Tax Invoice is 30 days from the date of Supply of Service.
- 25.1.7** Payment of GST is subject to compliance as stated in Payment Terms.
- 25.1.8** The contractor shall be fully & solely responsible to the statutory authorities for compliance of all the provisions of GST and other statutory provisions applicable to this work as a service provider either already enacted or to be enacted from time to time during contractual period.
- 25.1.9** NALCO reserves the right to recover any penalty and Interest imposed on NALCO by the concerned statutory authorities due to non-fulfillment of GST compliance by the service provider.
- 25.2 Anti-Profitteering Clause (Sec 171 of CGST Act) Applicable for Indian Bidders)**
- 25.2.1** If any new Tax/Taxes is introduced on sale of goods/service. Either in lieu of existing tax/taxes or as separate tax/taxes, then the overall incidence of tax/taxes on the Vendor on account of its inputs and outputs wherever less than the incidence of existing taxes, then the Vendor shall pass on to Owner, the benefits thereof by way of commensurate reduction in the basic price w.r.t. Input Tax benefit and reduction in Tax chargeable to Nalco w.r.t. Output Tax benefits in connection with goods and/or services provided.
- 25.2.2** If on the other hand, the incidence of tax/taxes is in excess of the incidence of existing tax/taxes, the Owner on submission of satisfactory proof, shall reimburse the Vendor the additional incidence of tax provided they are within the contractual completion date.
- 25.2.3** The Vendor has to provide a declaration along with the Tender that they will abide by the requirements under CI 171 of CGST Act, 2017.
- 25.3 INCOME TAX:**
- 25.3.1** The contractor must provide PAN including copy of Registration Certificate.
- 25.3.2** Income Tax TDS as applicable at the prevailing rate on the gross amount billed shall be deducted from the contractor's bills.
- 25.3.3** The contractor shall be fully & solely responsible to the statutory authorities for compliance of all provisions applicable to this work as a service provider under Income Tax Act, already enacted or to be enacted from time to time during contractual period.
- 25.3.4** NALCO reserves the right to recover any penalty and interest imposed on NALCO by the concerned statutory authorities due to non-fulfillment of all provisions applicable to this work as a service provider under Income Tax Act, already enacted or to be enacted from time to time during contractual period.
- 25.3.5** Party has to provide the Copy of Income Tax Return for each of the Two previous Financial Years for which due date for filling of Income Tax Return has expired with self-certification is a mandatory requirement else suitable provisions of Act will be applicable.
- 25.4 CESS UNDER RE&CS ACT**  
Cess will be deducted as per Workers' (RE&CS) Act 1996 and as stated under payment terms.
- 25.5 ROYALTY CLEARANCE.**  
As per Mines and Minerals Act of Govt. of Orissa the contractor is required to pay royalty for various types of construction materials (minor minerals) used in the work. The royalty charges shall have to be deposited in the office of Tahsildar from whose jurisdiction the minerals have been lifted and submitted along with Final Bill.

**26.0 BILLING & INVOICING:**

- 26.1** Measurement of the work done, during a period, against a Contract is very much essential for correct accounting. This is more so necessary at the end of each financial year. Therefore the contractors are expected to stick to the periodic billing schedule as per the Order. The billing

system followed in Nalco is called Running Account Bills (RA Bills) to be generated in prescribed format through ERP system based on measurement of work done during a period with certification by Contractor and approval by EIC/MIC. RA Bills will be sequentially numbered and the last RA Bill will be called n<sup>th</sup> RA & Final Bill.

- 26.2** Period of raising RA Bill and GST Invoice will normally be 1 month unless otherwise specified in Special Condition of Contract (**Annexure-B3**). GST Invoice amount should always match to RA Bill / Final Bill amount.
- 26.3** The RA Bill (in duplicate) will be accompanied by
- 26.3.1** Joint Measurement Sheet signed by Contractor & EIC/MIC.
- 26.3.2** R.A. Bill Form signed by Contractor & EIC/MIC.
- 26.3.3** Human Resource Dept. (HRD) Clearance (if applicable)
- 26.3.4** Safety Certificate in 1<sup>st</sup> RA Bill issued by Safety Dept
- 26.3.5** Any other document required by EIC/MIC or as per directive from statutory authorities.
- 26.3.6** Deviation statement once the executed value reaches 80% of the Order value.
- 26.4** Similarly, in addition to above the Final Bill (in quadruplicate) will be accompanied by
- 26.4.1** Material Reconciliation Statement for Free Issue Material, (if applicable)
- 26.4.2** Stores Issue Voucher, Stores Return Voucher, Material Transfer Voucher if any.
- 26.4.3** No claim certificate duly signed by the contractor. (**Annexure-C28**)
- 26.4.4** No due certificate from suggested by MIC. (**Annexure-C28**)
- 26.4.5** Work Completion certificate from EIC/MIC. (**Annexure-C29**)
- 26.4.6** Deviation Statement
- 26.4.7** Handing over / taking over certificate (wherever applicable)
- 26.4.8** Satisfactory commissioning protocol (wherever applicable)
- 26.4.9** Royalty clearance certificate (wherever applicable)
- 26.4.10** Electrical License (if required)
- 26.4.11** Dismantling of Temp Structure, Disconnection of Water/Elect. & Clearance of Charges.  
Note: - Certificates not applicable to a particular work will be certified by the MIC.
- 26.4.12** Anti-Profitteering Declaration Format.
- 26.4.13** As per Rule-47 of GST Act, time limit for issuing Tax Invoice is 30 days from the date of Supply of Service. Therefore RA/Final Bill must be submitted within 15 days from the end of the billing period. Any delay more than 30 days from Completion of Work will be considered as a failure in contractual terms and the contract may be closed ex-parte on the basis of certification of measurement and amount payable/recoverable considering all recoveries into account by the EIC/MIC. Decision of EIC/MIC shall be final & binding on the contractor. Besides above, the contractor may be treated as dormant or non-responsive and may affect assignment of further business to the vendor.
- 26.5** Party has to provide the copy of the Income Tax Return for each of the two previous Financial Years for which due date of filling of Income Tax Return has expired with self-certification is mandatory along with each GST Tax Invoice else suitable provisions of Act will be applicable.
- 26.6** Vendor / Party categorised / designated as "specified person" under Section 206AB of Income Tax Act, 1961 shall be liable for TDS at higher rate as provided under the said section, by NALCO. So, Vendors / Contractors are advised to submit self-certified copies of Income Tax return (ITR) for each of the Two Previous Years for which due date for filling of ITR has expired, along with the Invoice / Bill so as to facilitate NALCO, verify the applicability of Section 206AB.

**27.0 PAYMENT TERMS:**

- 27.1** The contractor will complete the measurement of work done for the billing period in consultation with EIC/MIC. They will process the RA Bill along with necessary documents as defined under "Billing & Invoicing" for release of payment. It will be processed for release of payment after deductions in compliance to different statutes and retentions as recommended by EIC/MIC. Amount payable will be subjected to further adjustments against outstanding receivables against the vendor if any. The net amount will be paid online through RTGS/NEFT/IMPS/Internet

Banking or any other online facility provided by our banker. Charges if any levied by respective banks, is to be borne by respective parties.

- 27.2 If the contract value is Rs.20,000/- or less, full and final bill will be admitted.
- 27.3 Payment against RA Bill will be considered only when the remaining period of the contract is not less than Billing Period defined in the contract or the remaining value of contract is not less than average periodic value executed up to previous RA Bill. In case the remaining period of contract is less than the billing period or the remaining value of contract is less than average periodic value executed up to previous RA Bill, specific declarations that "Final Bill will be submitted in time" will be sought from the contractor with certification by EIC/MIC before processing of RA Bill.
- 27.4 On award of the contract to the successful bidder, it becomes mandatory by the bidder to enclose a deviation statement with RA bill once the executed value of the work has reached 80% of the awarded value.
- 27.5 In case of Lump sum / Turnkey contract, the payment shall be released according to approved Billing schedule and Payment Terms specified in special conditions of contract.
- 27.6 Payment of GST is subject to reflection of the party's invoice in GSTR 2A/Anx-2 (GST new return) of NALCO. If the vendor fails to comply for two consecutive periods against one order, no further payment will be released till compliance is made by 'FILLING' up to last period. If a vendor submits proof of filing GSTR1 duly authenticated by Vendor on the Main page containing Nalco's GSTIN with 'FILLED' status and detail list of invoices generated from their GST login, for Invoices already paid by Nalco, then basic amount of subsequent Invoices may be released. However, GST withheld will be released after checking of GSTR2A.
- 27.7 GST TDS as applicable at the prevailing rate on the gross amount billed shall be deducted from the contractor's bill.
- 27.8 Cess will be deducted from Gross bill value as per Building and Other Construction Workers' (RE&CS) Act 1996 for Township construction contracts. (construction, alteration, repairs, maintenance, demolition in relation to buildings, streets, roads, drainage, electrification, distribution of power, water works, communication works etc.)
- 27.9 Payment against Final Bill will not be released if royalty clearance certificate as stated under Royalty Clearance is not submitted by the vendor.

## 28.0 PRICE VARIATION FOR LABOUR:

- 28.1 **Price variation for Labor (Wherever applicable):** On subsequent revision of applicable minimum wages to be notified by NALCO from time to time the differential wage and associated components will be reimbursed based on actual payment to workmen, excluding OT amount and Administrative Charges on production of documentary proof to HR Dept regarding payment through bank.

## 29.0 PRICE VARIATION FOR FUEL

Price variation on Fuel is normally not allowed. If price variation on Fuel is applicable it will be regulated as per the Special Conditions of Contract (**Annexure-B3**).

## 30.0 DEFECT LIABILITY PERIOD (DLP):

- 30.1 The DLP shall be governed by the detailed terms and conditions stipulated in clause 65 and 68 of GCC. The defect liability period shall be reckoned from the date of completion of the contract period for supply and workmanship unless mentioned otherwise in Scope of Work / Special Condition of Contract. Duration of DLP is mentioned at Sl. No. 9 of F-02 form of contract details, **Annexure-B1**.

## 30.2 DLP for SPECIALISED WORKS:

- 30.2.1 Water proofing (Below or above ground) and Roof treatment works -10 YEARS

- 30.2.2 Post construction Anti-termite treatment - 5 YEARS  
30.2.3 Weather proof Paint works - 4 YEARS

30.3 In some cases appropriate DLP can be considered depending upon the nature of the job.

**31.0 CONTRACTOR'S OBLIGATIONS AND PENALTY FOR NON-COMPLIANCE:** The contractor shall abide by the following obligations during execution of contract against deployment of contract labours.

- 31.1 If found suitable, Preference for engagement of labourers under NALCO's contractors establishment may be given to the land affected persons.  
31.2 The Contractor shall not engage any contract labour having unsound mind, criminal record, and poor health or having record not suitable from security point of view to NALCO.  
31.3 The contractor has to ensure that no contract labour should enter the plant/work premises without valid photo pass.  
31.4 The contractor shall ensure that no contract labour should leave the work place/plant before time without authorization/gate pass/ permission of the representative of contractor, to check frequent entry/exit, which may also cause security/administrative inconvenience.  
31.5 The disputes of the Contractor's labourers are to be settled by individual contractor. In no case NALCO, as the Principal Employer will enter into the matter except witnessing the proceedings, if required by the Statutory Authorities.  
31.6 The contractor shall have valid labour license during the execution of the contract, wherever applicable. The contractor shall not engage child labourers, in compliance to statutory requirement.  
31.7 PF & ESI A/c Codes: The contractor must possess independent Account Codes from the concerned Regional Provident Fund Commissioner for PF and also independent Account Code from the concerned Regional Director, ESIC for ESI, as applicable.

**32.0 RECOVERY TOWARDS COMPENSATION FOR DELAY:**

- 32.1 **Repetitive O&M Contracts** – Recovery towards compensation for delay shall not be applicable for this type of contract, unless otherwise mentioned separately in Special Conditions of Contract (**Annexure-B3**).  
32.2 **Other Contracts**- Recovery towards compensation for delay shall be applicable for this type of contract. In case the contractor fails to complete the work within the stipulated period, the contractor shall be liable for a penalty @ 1% (one) of the contract value per week of delay subject to a maximum of 10% (Ten) of the value of the contract, unless otherwise mentioned separately in the Special conditions of contract. (**Annexure-B3**). GST as applicable shall also be recovered.

**33.0 BLACKLISTING/BANNING/SUSPENSION/DELISTING OF BUSINESS/HOLIDAY LIST**

- 33.1 **Blacklisting** : Blacklisting of any agency/ firm/ contractor working with the Company may be resorted to in following cases:  
33.1.1 If the Proprietor or Partner or Director of the Firm is convicted by a Court of Law, following prosecution under the normal process of Law for an offence involving moral turpitude in relations to business dealings;  
33.1.2 If security considerations including the question of loyalty to the State warrant as per recommendations of Ministry of Home Affairs.  
33.1.3 If there is justification for believing that the Proprietor or Partner or Director (or Employee) of the Firm has been guilty of malpractices such as bribery, corruption, cheating, fraud, substitution of bid or theft or any other illegal activities while carrying out the work etc.  
33.1.4 If the Firm refuses/fails to return the Company's dues without adequate cause;

- 33.1.5 If the Firm is blacklisted by any Department of the Central Government/ State Government.
- 33.1.6 If the Firm is a confirmed evader of Central / State taxes/duties for which NALCO has received notice from the concerned department of Central / State Govt.
- 33.1.7 Misbehavior/ threatening of departmental supervisory staff during work execution.
- 33.1.8 Constant non-achievement of milestones on insufficient and imaginary grounds and non-adherence to quality specifications despite being pointed out.
- 33.1.9 Persistent & intentional violation of important conditions of contract.
- 33.1.10 Submission of false/ fabricated/ forged documents for consideration of a bid.
- 33.1.11 If declared bankrupt or insolvent.
- 33.2 **Banning:** In case where the conduct of the firm is not serious enough to merit blacklisting but removing the name from the registered vendors of NALCO is justified in the interest of the company, the firm/company shall be banned from doing business with NALCO for a period up to 3 years but not less than one year. The reasons for banning are listed below. This list is illustrative only and not exhaustive.
- 33.2.1 Any failure to execute the contract satisfactorily.
- 33.2.2 Offence except criminal, such as moral turpitude, fraud, theft, unlawful activities within the premises of the company (Plant or Township) by the contractor or their workmen.
- 33.2.3 Defaults such as failing in disbursements of wages of the workmen/contract labourers in time at least twice in a contract period.
- 33.2.4 Submission of false declaration / documents in the offer.
- 33.2.5 Misconduct / misbehavior of the contractor or any of the workers engaged by them.
- 33.2.6 Non-compliance of environment, safety and health requirements including use of proper PPEs.
- 33.3 **Suspension of Business:** Temporary Suspension of business may be ordered without any notice, where full enquiry into the allegation is pending and may entail the blacklisting of the firm/ party/ contractor, if the allegation is proved.
- 33.4 **Delisting from Vendor List against all Contracts:**
- 33.4.1 Party's performance is being evaluated through online assessment system by the respective Managers-in-Charges for the works being executed at site / at party's premises.
- 33.4.2 The assessment ratings are reviewed and the contractors are reminded for improvement in next assessment period if their performance rating is poor.
- 33.4.3 If two consecutive assessments of a contract are Very poor in a single evaluation / Safety & Environmental requirements compliance is not O.K. / SA 8000:2008 Compliance is not OK, then the concerned Vendor will be delisted for one year for that particular job subject to approval by Competent Authority of NALCO and the vendor will be intimated through a letter.
- 33.4.4 The delisted Vendor may be re-enlisted upon the request of the Vendor on completion of the de-listment period and subsequent approval by Competent Authority of NALCO.
- 33.4.5 If any vendor is Black-listed / Banned by any units of NALCO, the Vendor will also be delisted.
- 33.4.6 In case the performance of the vendor is found to be unsatisfactory by the Manager-in-charge, the vendor may not be considered in future tender for similar jobs.
- 33.5 **Holiday List:** In case the bidder does not participate in three consecutive bids, the bidder will be put under holiday list for a period of one year.
- 33.6 NALCO will issue show-cause notice giving 15 days' time to the contractor to respond the same in cases of debarring/ blacklisting/ banning/ suspension of business with the party.

33.7 If any varying of conflicting situation arises in any of the document forming part of the Contract, NALCO's decision with regard to intention/interpretation of the document and the decision shall be final and binding on the parties.

#### 34.0 TERMINATION OF CONTRACT:

34.1 If the performance is found unsatisfactory during the period of contract, the contract will be terminated with short notice of 15 days and the same shall be carried out by any other agency at the risk & cost of the contractor. Other penal actions such as forfeiture of Performance Security Deposit and debarring the contractor for participating in future tenders of NALCO may also be taken as per clause no. given in this **Annexure-A1**.

34.2 If the Government of India or any Statutory Authority/empowered to do so, decides/directs to terminate the Contract, the contract shall be terminated without any notice and for that contractor shall not be entitled to any claim such as extra claim, loss, loss of profit etc. against NALCO. The settlement of the dues of contractor shall be done on the basis of execution of actual work in accordance with the terms & conditions of contract.

34.3 Short Closure of Contract: NALCO reserves the right to short close the contract by serving 15 days' notice to the contractor, when either of the contract value is executed or the assigned BOQ quantity is exhausted. The decision of NALCO in this regard shall be final & binding on the contractor.

#### 35.0 ARBITRATION:

The clause No.87 of General Conditions of contract shall be applicable in case of any dispute or difference whatsoever, which may arise at any point of time. Subject to all other provisions contained in clause 87 of GCC, the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rule made there under, and for the time being in force shall apply to the arbitration proceeding under this clause.

#### 36.0 CONTRACT CLOSURE:

36.1 Completion of work assigned through the contract within contractual period is both a contractual obligation and legal obligation on both the parties to the contract i.e. Contractor and Nalco. Closure of contract is achieved in stages through contractual terms or through mutual agreement/settlement. Submission of Final Bill is the 1<sup>st</sup> stage of closure. Successful completion of Defect Liability Period and Performance Guarantee Period is the 2<sup>nd</sup> Stage of closure. Settlement of all outstanding payables and receivables is the 3<sup>rd</sup> stage of closure.

36.2 It will be the responsibility of the Contractor in all three stages to lodge necessary claims with EIC/MIC and settle it as follows.

36.2.1 1<sup>st</sup> stage - Submission of Final Bill, and Performance Guarantee Bond (PGB) maximum within 3 months from the end date of contract period.

36.2.2 2<sup>nd</sup> stage - Submission of Claim letter for release of SD/PBG maximum within 15 days from the date of closure of Guarantee/DLP.

36.2.3 3<sup>rd</sup> stage - Settlement of all outstanding relating to the Contract, before release of Contract Completion Certificate (**Annexure-C29**) by EIC/MIC with concurrence of Finance regarding Contract Execution Value.

#### 37.0 Energy Management System (ISO 50,001) Requirement:

##### 37.1 Mandatory guidelines for saving any form of energy:-

Energy is lifeline of an Organization and SMELTER / CPP , NALCO is implementing Energy Management Systems (EnMS) – ISO 50001 in all activities. The contractual service providers are advised to train his workmen for practicing the following “Dos & Don'ts” while executing the assigned work at site.

WHAT TO DO?	WHAT NOT TO DO?
1. Use compressed air for instrument cleaning if advised by NALCO	1. Never open any compressed air for body / dress/ vehicle cleaning.
2. Close water line valves if they are in open condition	2. Never allow any water line in open condition.
3. Use water for instrument equipment cleaning if advised by NALCO	3. Never use any water line of the plant for cleaning of bicycles / vehicles.
4. Use LPG for cooking if at all required	4. Never use any electrical heater for cooking or room heating.
5. Switch off lights/ fans in day time when not required	5. Never waste electricity in any way.
6. Touch only that part of equipment for which you are authorized by the Engr. I/C	6. Never touch any isolators / switches of any equipment.
7. Handle coke, pitch, oil (FO, HSD, LDO) & LPG with due care as they are costly.	7. Never waste any quantity coke, pitch, oil (FO, HSD, LDO) & LPG a drop of any types of oil .

**37.2** The Energy Policy of NALCO is attached. The Service Provider needs to comply all the requirements of the Policy in consultation with the Manager-in-Charge of the contract.

**38.0 Owner's Right to Accept or Reject a Bid:** A bidder may seek clarification regarding the bidding document provisions, bidding process and / or rejection of his bid. NALCO/Consultant shall respond to such queries within a reasonable time.

## **SAFETY GUIDELINES**

### **Special Terms and Conditions of the Contract against Electrical Safety**

- 1- The Contractor shall ensure proper safety of all the workmen, materials, and equipments belonging to him or to NALCO or to others, working at the site. The Contractor shall also be responsible for provision of all safety notices and safety equipment required both by the relevant legislations and the Engineer as he may deem necessary.
- 2- All equipments used by Contractor shall meet Indian/ International Standards and where such standards do not exist, the Contractor shall ensure these to be absolutely safe. All equipments shall be strictly operated and maintained by the Contractor in accordance with manufacturer's operation Manual and safety instructions and as per Guidelines / Rules of NALCO in this regard.
- 3- Periodical Examinations and all tests for all lifting/hosting equipment & tackles used by the contractor shall be carried out in accordance with the relevant provisions of Factories Act 1948, Indian Electricity Act 1910 and associated Laws/Rules in force from time to time. A register of such examinations and tests shall be properly maintained by the contractor and will be promptly produced as and when desired by Engineer or by the person authorized by him.
- 4- The Contractor shall provide suitable safety equipment of prescribed standard to all employees and workman according to the need, as may be directed by Engineer who will also have right to examine these safety equipments to determine their suitability, reliability, acceptability and adaptability. The Contractor shall provide safe working conditions to all workmen and employees at the Site including safe means of access, railings, ladders, scaffoldings etc. The scaffoldings shall be erected under the control and Supervision of an experienced and competent person. For erection, good and standard quality of material only shall be used by the Contractor.
- 5- The Contractor shall not interfere or disturb electric fuses, wiring and other electrical equipment belonging to the Owner or other contractors under any circumstances, whatsoever, unless expressly, permitted in writing by NALCO to handle such fuses, wiring or electrical equipment.
- 6- Before the Contractor connects any electrical appliances to any plug or socket belonging to the other Contractor or Owner, he shall :
  - a) Satisfy the Engineer that the appliances are in good working condition.
  - b) Inform the Engineer of the maximum current rating, voltage and phases of the appliances.
  - c) Obtain permission of the Engineer detailing the sockets to which the appliances may be connected.
- 7- No work shall be carried out on any live equipment unless otherwise the equipment is declared safe by the Engineer and a permit to work shall be issued by the Engineer. The Contractor before any repair work is carried out on electric lines/equipments whether live or dead shall provide suitable type and sufficient quantity of tools to electricians/ workman etc.
- 8- In case of any accident during the activities undertaken by the Contractor thereby causing any minor or major or fatal injury to his employees due to any reason, whatsoever, it shall be the responsibility of the Contractor to promptly inform the same to NALCO's Engineer and also to all the authorities envisaged under the applicable laws.
- 9- The Contractor shall follow and comply with all NALCO Safety Rules, relevant provisions of applicable laws pertaining to the safety of workmen, employees, plant and equipment as may be prescribed from time to time without any demur, protest or contest or reservation. In case of any unconformity between statutory requirement and NALCO Safety Rules referred above, the later shall be binding on the contractor unless the statutory provisions are more stringent.

- 10- The Contractors shall provide suitable latest Personal Protective Equipments of prescribed standard to all their employees and workmen according to the need. The Engineer I/c shall have the right to examine these safety equipments to determine their suitability, reliability, acceptability and adaptability. The contractor should also ensure these before their use at worksite.
- 11- Wherever the workers are exposed to the hazards of falling from height, the contractor shall provide full harness safety belts fitted with fall arresting systems to all the employees working at higher elevations and life line wire rope with turn buckles for anchoring the safety belts while working or moving at higher elevations. Safety nets shall also be provided for saving them from fall from heights and such equipment should be in accordance with BIS standards. The contractor must get a permit to work at height from the Engineer-in-Charge before starting the job.
- 12- The contractor should ensure that all electrical installations at the site comply with the requirements of latest electricity acts / rules.
- 13- The contractor shall take all adequate measures to prevent any worker from coming into physical contact with any electrical equipment or apparatus, machines or live electrical circuits which may cause electrical hazards during the work. The contractor shall provide the sufficient ELCBs / RCCBs for all the portable equipments, electrical switchboards, distribution panels etc. to be used by him to prevent electrical shocks to the workmen.
- 14- In case of fire in electrical installations, all electrical supplies are to be disconnected first to the affected system. Fire-fighting at the initial stage may be initiated with the CO<sub>2</sub>, Dry Powder etc. Water will never be sprinkled onto live electrical system.
- 15- Before starting any job the Contractor will be responsible for the following -
  - a. Ensuring safe components/equipments are used.
  - b. Providing earth leakage circuit breakers on all electrically operated power tools/equipments.
  - c. Inspecting power tools before use and ensuring defective tools are discarded.
  - d. Using 3 core cable and 3 pin plugs for all portable tools and ensuring its earthing.
  - e. Authorized electrician is only attending all electrical job as per latest Electrical Rules & CEA guide lines.
  - f. Ensuring double earthing to all equipments.
  - g. Ensuring all the electrical system is as per Indian Electricity Rules.
  - h. Disconnecting and removing all unwanted cables and wires from electrical system.
  - i. Identification Marks and Numbers are clearly being marked on all electrical distribution boards, switchboards etc. used by the Contractor.
  - j. All electrical system components being protected against damage.
  - k. All electrical joints are being tested to meet the standards.
  - l. Hand lamps are providing with suitable guards.
  - m. Providing personal protective equipments including electrical safety shoes, rubber gloves etc. as per the enclosed PPE matrix.
  - n. Ensuring unauthorized person shall not have access to electrical system.
  - o. Protecting all live parts.
  - p. Ensuring all fuses are replaced with actual current rating.

**ANNEXURE-A3**

**LIST OF PPEs TO BE ISSUED TO ALL THE CONTRACTUAL EMPLOYEES BY THE CONTRACTOR FOR USE DURING THE EXECUTION OF JOB AT SITE.**

**(PPE MATRIX)**

<b>PARTS TO BE PROTECTED</b>	<b>PERSONAL PROTECTIVE EQUIPMENT</b>	<b>PROTECTION AGAINST</b>	<b>REMARKS</b>
HEAD	INDUSTRIAL SAFETY HELMET (IS:2925-1975) & subsequent revision thereof, if any.	FALLING OBJECTS	
EYE	ZERO POWER GOGGLES WITH SIDE FILTER PROTECTION	EYE INJURY DUE TO FLYING OBJECTS. INJURY DUE TO SPARKS AND FLAMES.	
EAR	A) EAR PLUG (FOAM) B) EAR MUFF	HEARING LOSS IN HIGH NOISE AREAS	
RESPIRATORY SYSTEM	DUST RESPIRATOR WITH FILTER/ NOSE MASK FILTER	INHALATION OF HARMFUL DUST.	
BODY	SAFETY BELT, ARC FLASH SUIT	FALL FROM HEIGHT, ELECTRICAL FLASH OVER.	
HAND	ELECTRICALLY TESTED ELECTRICAL RESISTANT HAND GLOVES WITH CERTIFICATE (IS: 4770-1968) & subsequent revision thereof, if any.	ELECTRIC SHOCK	
FOOT	A) INDUSTRIAL SAFETY SHOE WITHOUT STEEL TOE. B) GUM BOOT	A) ELECTRICAL SHOCK B) CABLE GALLERIES, MUDDY AREAS ETC.	

### PPE MATRIX (CPP PLANT)

Major activity	Safety Shoe	Safety Helmet	Safety Goggles	Hand Gloves	Face Shields	Safety Belt	Dust control mask	Ear plugs/muffs	Personal alert alarm	Crawl board	SCBA sets
Working at height	Y	Y	Y	Y	NR	Y	Y	Y	NR	NR	NR
Excavation/earth work	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Working in noisy area	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Working in dusty area	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Coal compaction /handling	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Sand blasting	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Riveting	Y	Y	Y	Y	NR	NR	Y	Y	NR	NR	NR
Chlorine gas leakage attending	Y	Y	Y	Y	Y	NR	NR	NR	NR	NR	Y
Working on fragile roof	Y	Y	Y	Y	NR	Y	Y	Y	NR	Y	NR
Electrical panel checking	Y	Y	Y	Y TESTED RUBBER HANDGLOVES	NR	NR	Y	Y	NR	NR	NR
Gas Storage shed checking	Y	Y	Y	Y	Y	NR	Y	Y	NR	NR	NR
Confined space checking	Y	Y	Y	Y	NR	Y	Y	Y	Y	NR	Y

**Note :** Y – yes, NR : not required, SCBA : self contained breathing apparatus, PPE : personal protective equipment.

PPEs shall be selected depending on combination of job and site conditions.

**AREA WISE / JOB WISE PPE REQUIREMENTS SMELTER PLANT**

<p>1. <b>CARBON AREA</b></p> <ol style="list-style-type: none"> <li>Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 OR its equivalent.</li> <li>For Bake Oven area Industrial Safety Shoes with 4" ankle height having Nitrile sole as per IS 15298 Part-II -2002 or its equivalent.</li> <li>Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent.</li> <li>Safety Helmet as per IS 2925:1984, material-HDPE.</li> <li>Full body harness as per IS 3521 or its equivalent.</li> <li>Cotton / Leather Hand Gloves as per latest IS mark or its equivalent</li> <li>Dust / Mist Respirator shall be FFP2 SL Class as per IS: 9473-2002 or its equivalent.</li> <li>Apron (Pin repair Shop)</li> <li>Head Cover &amp; Apron (Coke &amp; Pitch handling area)</li> <li>Pitch / Fume respirator as per IS 14166:1994 or its equivalent.</li> <li>Safety Helmet with visor as per latest IS or its equivalent {for induction furnace &amp; ladle cleaning of RS (O)}.</li> <li>Safety goggle with blue glass as per latest IS or its equivalent {for induction furnace &amp; ladle cleaning of RS (O)}</li> <li>Special nose mask against fumes &amp; odour as per latest IS or its equivalent for Baking Furnace.</li> </ol>	<p>5. <b>POT LINE (Mechanical &amp; Operation)</b></p> <ol style="list-style-type: none"> <li>Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 or its equivalent.</li> <li>Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent.</li> <li>Safety Helmet as per IS 2925:1984, material HDPE.</li> <li>Safety Goggles as per IS 5983 or its equivalent.</li> <li>HF Nose Mask shall be FFP2 SL as per IS 9473-2001 or its equivalent.</li> <li>Cotton / Leather Hand Gloves as per latest IS mark or its equivalent.</li> <li>Safety helmet with visor as per latest IS or its equivalent.</li> <li>Ear Plug / Muff as per latest IS or its equivalent.</li> <li>Apron, Leg Guard as per latest IS or its equivalent.</li> <li>Full body harness as per IS 3521 or its equivalent</li> </ol>
<p>2. <b>CIVIL WORK</b></p> <ol style="list-style-type: none"> <li>Protective Footwear as per latest IS mark or its equivalent (Ladies &amp; Gents).</li> <li>Safety Helmet as per IS 2925:1984, material HDPE.</li> <li>Dust / Mist Respirator shall be FFP2 SL class as per IS: 9473-2002 or its equivalent.</li> <li>Hand Gloves</li> <li>Full body harness as per IS 3521 or its equivalent</li> <li>Safety Net as per latest IS mark.</li> </ol>	<p>6. <b>HORTICULTURE WORK</b></p> <ol style="list-style-type: none"> <li>Protective Footwear as per latest IS mark or its equivalent (Ladies &amp; Gents).</li> <li>Safety Helmet as per IS 2925:1984, material HDPE</li> <li>Safety Goggles as per IS 5983.</li> <li>Dust / Mist Respirator shall be FFP2 SL class as per IS:9473-2002</li> <li>Cotton Hand Gloves &amp; Rubber Hand Gloves as per latest IS mark.</li> <li>Organic vapor nose mask as per latest IS mark or its equivalent.</li> <li>Full body harness as per IS 3521 or its equivalent</li> </ol>
<p>3. <b>CAST HOUSE (Mechanical &amp; Operation) &amp; Rolling Plant</b></p> <ol style="list-style-type: none"> <li>Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 or its equivalent.</li> <li>Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent</li> <li>Safety Helmet as per IS 2925:1984, material HDPE</li> <li>Safety Goggles as per IS 5983 or its equivalent.</li> <li>Cotton / Leather Hand Gloves</li> <li>Dust / Mist Respirator</li> <li>Leather Leg Guard</li> <li>Helmet with Visor (Skimming Area)</li> <li>Apron (Direct Sow Casting Area &amp; Ingot Skimming Station)</li> <li>Ear Plug / Muff (Billet Casting Area) of latest IS mark.</li> <li>Full body harness as per IS 3521 or its equivalent</li> <li>Safety helmet with visor as per latest IS or its equivalent</li> </ol>	<p>7. <b>MISCELLANEOUS WORK</b> <b>MES, CRS, CENTRAL STORES, LAB, UTILITY &amp; DESPATCH, FINANCE, PLANT HRD &amp; ADMINISTRATION.</b></p> <p>Safety Helmet as per IS 2925:1984, material HDPE</p> <ol style="list-style-type: none"> <li>Industrial Safety Shoes as per IS 15298 Part 2-2002/ or its equivalent/Protective Footwear as per latest IS mark or its equivalent (Ladies &amp; Gents).</li> <li>Safety Goggles as per IS 5983.</li> <li>Cotton / Leather Hand Gloves</li> <li>Ear muff/Ear plug (Utility) of latest IS mark or its equivalent.</li> <li>Dust / Mist Respirator shall be FFP2 SL class as per IS: 9473-2002.</li> <li>Rubber / Surgical hand gloves (for acid / alkali use and at the time of chemical analysis) Lab.</li> <li>Full body harness as per IS 3521 or its equivalent</li> <li>Safety helmet with visor as per latest IS or its equivalent</li> </ol>
<p>4. <b>ELECTRICAL WORKS</b></p> <ol style="list-style-type: none"> <li>Industrial Safety Shoes with 4" ankle height as per IS 15298 or its equivalent.</li> <li>Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent.</li> <li>Safety Helmet as per IS 2925:1984, material HDPE or its equivalent</li> <li>Safety Goggles of latest IS mark or its equivalent.</li> <li>Rubber Hand Gloves (for 6.6 / 11 KV test) as per latest IS or its equivalent.</li> <li>Dust / Mist Respirator of latest IS mark or its equivalent.</li> <li>Full body harness as per IS 3521 or its equivalent.</li> </ol>	

**Note:** 1. The PPEs issued must confirm to latest IS / DGMS approved or its equivalent standard.  
2. In case of damage of any PPE of workmen the same shall be replaced by the contractor irrespective of the time of use.

**3. Frequency of issue**

Sl	Item	Frequency of issue
1	Industrial Safety Shoe	1 pair per year.
2	Safety Helmet	1 No per 2 yrs.
3	Safety Goggles	1 No per year
4	Nose mask	4 Nos per month
5	Cotton hand gloves	3 pairs per month

**PPE REQUIREMENTS IN VARIOUS AREAS OF CPP**

<p>1. <b><u>MECHANICAL AREA</u></b>                  (i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or its equivalent.                  (ii) Safety Helmet as per IS 2925:1984, material-HDPE or ABS.                  (iii) Full body harness as per IS 3521 or its equivalent.                  (iv) Cotton/Leather Hand Gloves as per latest IS mark or its equivalent.                  (v) Dust/Mist Respirator shall be FFP2 SL Class as per IS:9473-2002 or its equivalent.                  (vi) Safety goggles as pr latest IS or its equivalent.                  (vii) Boiler Suit/Apron.</p>	<p>6. <b><u>POWER HOUSE OPERATION:</u></b>                  (i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or its equivalent.                  (ii) Safety Helmet as per IS 2925:1984, material-HDPE or its equivalent.                  (iii) Safety Goggles as per IS 5983 or its equivalent.                  (iv) HF Nose Mask shall be FFP2 SL as per IS 9473-2001 or its equivalent                  (v) Cotton Leather Hand Gloves as per latest IS mark or its equivalent.                  (vi) Ear Plug/Muff as per latest IS or its equivalent.                  (vii) Gum boot                  (viii) Boiler suit / apron</p>
<p>2. <b><u>CIVIL WORK</u></b>                  (i) Industrial Safety Shoes as per IS 15298 mark.                  (ii) Safety Helmet as per IS 2925:1984, material – HDPE or ABS.                  (iii) Dust/Mist Respirator shall be FFP2 SL Class as per IS:9473-2002 or its equivalent.                  (iv) Hand Gloves                  (v) Full body harness as per IS 3521 or its equivalent.                  (vi) Safety Net as per latest IS mark.                  (vii) Gum Boot depending on job requirement                  (viii) Safety Goggles</p>	<p>7. <b><u>HORTICULTURE WORK</u></b>                  (i) Industrial Safety Shoes as per 15298                  (ii) Safety Helmet as per IS 2925:1984, material HDPE                  (iii) Safety Goggles as per IS 5983.                  (iv) Dust/Mist Respirator shall be FFP2 SL Class as per IS:9473-2002.                  (v) Cotton Hand Gloves &amp; Rubber Hand Gloves as per latest IS mark.                  (vi) Full body harness as per IS 3521 or its equivalent.</p>
<p>3. <b><u>CHP WORK</u></b>                  (i) Industrial Safety Shoes with as per IS 15298 Part-II-2002 or its equivalent.                  (ii) Safety Helmet as per IS 2925:1984, material-HDPE.                  (iii) Safety Goggles as per IS 5983 or its equivalent.                  (iv) Cotton/Leather Hand Gloves.                  (v) Dust/Mist Respirator                  (vi) Ear Plug/Muff of latest IS mark.                  (vii) Full body harness as per IS 3521 or its equivalent.                  (viii) Special nose mask for coal dust.                  (ix) Gum Boot depending on job requirement.                  (x) Full body Apron.</p>	<p>8. <b><u>MISCELLANEOUS WORK AREAS:</u></b>                  (i) Industrial Safety Shoes as per 15298                  (ii) Safety Helmet as per IS 2925:1984, material HDPE                  (iii) Safety Goggles as per IS 5983.                  (iv) Cotton/Leather Hand Gloves                  (v) Ear Muff/Ear Plug (Utility) of latest IS mark or its equivalent.                  (vi) Dust/Mist Respirator shall be FFP2 SL class as per IS: 9473-2002.                  (vii) Rubber/Surgical Hand Gloves (for acid/alkali use and at the time of chemical analysis) Lab.                  (viii) Full body harness as per IS 3521 or its equivalent.</p>
<p>4. <b><u>ELECTRICAL WORKS:</u></b>                  (i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or its equivalent.                  (ii) Safety Helmet as per IS 2925:1984, material-HDPE or its equivalent.                  (iii) Rubber Hand Gloves as per latest IS or its equivalent.                  (iv) Dust/ Mist Respirator of latest IS mark or its equivalent.                  (v) Full body harness as per IS 3521 or its equivalent.                  (vi) Arc flash suit / apron / jacket.                  (vii) Safety Goggles</p>	
<p>5. <b><u>DM Plant &amp; Water Treatment Plant:</u></b>                  (i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or its equivalent.                  (ii) Safety Helmet as per IS 2925:1984aterial-HDPE or AQBS.                  (iii) Hand Gloves for chemical handling as per latest IS or its equivalent.                  (iv) Dust/ Mist Respirator of latest IS mark or its equivalent.                  (v) Full body harness as per IS 3521 or its equivalent.                  (vi) Acid / Alkali suit / apron / jacket.                  (vii) Safety Goggles</p>	

\*\* For scaffolding / Temporary platform preparation, only MS Pipes / angles are allowed.

- Note:**
- The PPEs issued must confirm to latest IS/DGMS approved or its equivalent standard.
  - In case of damage of any PPE of any PPE of workmen the same shall be replaced by the contractor irrespective of the time of use.
  - Frequency of issue:

Sl. No.	Item	Frequency of issue
1	Industrial Safety Shoe	1/Year
2	Safety Helmet	½ Year
3	Safety Goggles	½ Year
4	Nose Mask	4/Month
5	Cotton Gloves	3/Month

## CORPORATE ENVIRONMENTAL POLICY

In recognition of the interest of the society in securing sustainable industrial growth, compatible with a wholesome environment, NALCO affirms that it assigns high importance to promotion and maintenance of a pollution-free environment in all its activities.

### *Objectives*

- To use non-polluting and environment-friendly technology.
- To monitor regularly air, water, land, noise & other environmental parameters.
- To constantly improve upon the standards of pollution control and provide a leadership in environment management.
- To develop employees awareness on environmental responsibilities and encourage adherence to sound environmental practices.
- To work closely with Government and local authorities to prevent or minimize adverse consequences of the industrial activities on the environment.
- To comply with all applicable laws governing environment protection through appropriate mechanisms.
- To actively participate in social, welfare and environmental development activities of the locality around its units.

### *Commitment*

We dedicate ourselves to ensure a green and wholesome environment in all areas of our operations for sustainable industrial growth and to set standards in environmental management.

Sd.

Place: Bhubaneswar

**Chairman-cum-Managing Director**

Date: 30.09.2020

Date of issue	Issued by
20.10.2020	Group General Manager ( CPP)

नालको  **NALCO**

National Aluminium Company Limited

CIN: L27203OR1981GOI000920

**OCCUPATIONAL HEALTH & SAFETY POLICY**

NALCO is committed to maintaining a Safe, Healthy and Sustainable work environment in all its operations. This shall be achieved by:

- Focusing on prevention of Accidents and Occupational Health issues.
- Complying with all legal requirements and other requirements related to Safety & Occupational Health of persons, and establishing clearly defined goals and procedures to achieve the same.
- Ensuring Safety & Health of all employees and contract workers in its premises, including those involved in transportation, cleaning and other such activities.
- Conducting Periodic Safety Audits, Environment Audits, Health Check-ups and Risk Assessment by both internal and external qualified persons.
- Considering aspects related to Safety and Health of personnel as well as environmental issues at the time of procurement of equipment and selection of technologies.
- Ensuring health of persons in the peripheral locations, likely to be affected by our operations.
- Periodically monitoring and reviewing Safety & Occupational Health issues at relevant levels, including the highest levels.
- Communicating Safety Hazards and Health related issues to all concerned through suitable means, including training.
- Consulting and ensuring participation of workmen or their representatives in Policy implementation, identification of potential issues and formulation of measures to address the same
- Considering Health & Safety performance of individuals at different levels during their career advancement, as per Nalco's Policy.
- Establishing and maintaining suitable set-up with competent persons to monitor and bring to the notice of the management any issues related to unsafe conditions and practices.
- Striving for continual improvements, exceeding statutory compliance levels, wherever feasible.

Place: Bhubaneswar

Date: 30.09.2020

Sd/-

**Chairman-cum-Managing Director**

Date of issue	Issued by
20.10.2020	Group General Manager (CPP)

### QUALITY POLICY, GUIDING PRINCIPLES AND COMMITMENT

Quality will form the core of our business philosophy, Meeting the needs and expectations of the customer and consistently improving our systems and work ethos will be our chosen path in achieving excellence in business and fulfilling our social obligations.

#### *Guiding Principles:*

- To ensure a healthy return on investment by maximizing Operational efficiency, Capacity utilization and Productivity.
- To continually improve and redesign Systems, Processes and Practices in order to ensure error prevention and improve response time.
- To adopt internal Customer focus as a means to external customer satisfaction.
- To treat Human Resource as the key to Quality excellence and ensure development, involvement and satisfaction of employees
- To ensure high quality of inputs through proactive interaction with suppliers.
- To meet obligations towards the society as a responsible corporate citizen.
- To provide value for money to all stake holders.
- To follow ethical business philosophy at all times.

#### *Commitment*

We dedicate ourselves to the Quality Policy and Objectives of the company in letter and spirit and commit to continuously strive for their fulfillment.

Place: Bhubaneswar  
Date: 30.09.2020

Sd.  
Chairman-cum-Managing Director

Date of issue	Issued by
20.10.2020	Group General Manager ( CPP)

ANNEXURE-A6

**SOCIAL ACCOUNTABILITY POLICY**

We at NALCO are committed to provide a socially accountable work environment to all employees and uphold ethical business practices by respecting employees' rights to ensure a decent Workplace.

We shall achieve these by adopting a companywide culture, which will help to promote:

- Involvement of all employees in sustenance of SA 8000:2014 Standard;
- Conforming to all requirements of SA 8000:2014 Standard;
- Complying with National laws, other applicable laws and other requirements to which the organization subscribes;
- Respecting the International instrument as describes in the SA 8000:2014 Standard.
- Continual improvement initiatives in all social aspects;
- Learning and training opportunities to all employees;

This policy is communicated and understood within the organization.

Date: 23.02.2017

Sd/-  
Chairman-cum-Managing Director

**ENERGY POLICY**

Enhancing Energy Performance, comprehensively optimizing energy use, Energy consumption and energy efficiency, is a major imperative for an energy intensive industry like ours. In recognition of this, we focus on improvement of Energy Performance in all areas of operations with thrust on planning Energy Objectives based on the enshrined Guiding Principles.

**Guiding Principles**

- To Endeavour for reduction in specific consumption of energy in all forms and in all areas of operations.
- To ensure availability of information and necessary resources for achieving objectives and targets.
- To comply with all applicable legal, regulatory and other requirements related to energy use, consumption and efficiency.
- To espouse energy efficient technology encompassing procurement of energy efficient products & services and design for Energy Performance improvement.
- To carry out energy audits and energy reviews, at planned intervals, to improve energy performance.

**Commitment**

We affirm our commitment to continually improve our energy performance and strive for achieving the objectives and targets.

Sd/-  
Chairman-cum-Managing Director

**ANNEXURE-A7**

**GENERAL ENVIRONMENTAL REQUIREMENT (SMELTER / CAPTIVE POWER PLANT)**

1. The contractor should adhere to safe environmental practices and shall perform in line with the environment policy of the company. The contractor has to ensure efficient use of natural resources like water, fuel oil and lubricants.
2. It will be the responsibility of the contractor to safely dispose off the waste generated in the processes of any job to the allotted location as assigned by Manager-in-charge in a manner so as to minimize their harmful concentration effects in the environment.
3. The contractor should ensure that oil/grease; chemicals and toxic substances are stored/ handled properly so that they do not find their way into the industrial drain and the atmosphere.
4. The contractor should make use of equipments having permissible noise limits and not polluting the atmosphere by any means. The contractor shall also guard against any hazardous & unsafe working conditions.
5. The various activities of the contractor should not create any adverse effect on ambient air & water quality at work site and adjoining area. It will be the responsibility of the contractor not to cause damage to the afforestation/green belt created inside/ outside the plant.
6. Contract should ensure proper awareness among workers to maintain a clean environment inside/outside the plant.
7. The emission level of the vehicles, construction equipments etc deployed by the contractor should comply with the norms specified by statutory authorities/ acceptable standards.
8. The contractor should avoid use of toxic and hazardous chemicals. If use of toxic and hazardous chemicals becomes unavoidable, their presence should be within the limits specified by the acceptable standards. The contractor should declare before use of chemicals, the nature of the chemicals i.e. Toxic/ non-toxic, hazardous/ non-hazardous to the Manager-in-charge and obtain his clearance before using such chemicals.
9. The contractor should ensure that disposal of used chemicals are disposed off to the drains only after neutralization of the chemicals and after clearance of the Manager-in-charge.

**MINIMUM SAFETY EQUIPMENTS TO BE PROVIDED BY THE CONTRACTOR TO THE WORKMEN.**

1. The contractor shall provide safety shoes, safety helmets to their workmen while executing the job.
2. Dust respirators must be used by the contractor workers working in dust area.
3. Face shield must be used by the welders.
4. While working on a height, Safety belt must be used by the workers.
5. Suitable face mask must be used the contract workers while working out painting jobs.

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ANNEXURE-A8

GENERAL GUIDELINE TO BIDDER ON REVERSE AUCTION (APPLICABLE)

1. The techno-commercially qualified bidders shall be eligible to participate in Reverse Auction Process.
2. The price bids of techno-commercially qualified bidders shall be opened as per schedule in the tendering portal(CPPP).The commencement of reverse auction shall be scheduled in CPP Portal & the reverse auction window shall remain open for minimum one hour from the start time.
3. If a bidder does not participate in the Reverse Auction, the price quoted by him in the price bid shall be considered as the valid price of that bidder. The inter-se position of the said bidder shall be considered based on their position on completion of reverse auction.
4. Starting bid price shall be the L-1 offer price received against the tender.
5. Bid Decremental Value shall be as defined & indicated in auction creation form of CPP Portal.
6. Auto Extension Time shall be fixed at 10 Minutes
7. Other relevant parameters shall be displayed in the CPP Portal reverse auction window.
8. CPP Portal Server time shall be the basis of Start time & Closing time for bidding and shall be binding for all.
9. Auction flow is started and is closed after completion of the process. Once the Auction process is initiated the system takes over for auto auction activity. Then, comparison chart is generated.
10. The bidders to participate in tender-cum-auction process in CPP Portal, has to log into CPP Portal (i.e. <https://eprocure.gov.in/eprocure/app>) with DSC to access the application and quote from their own offices/place of their choice. Once logged in, the software gives them a platform to place bids.
11. All electronic bids submitted during the reverse auction process shall be legally binding on the bidder. The bid values submitted by the bidder are digitally signed by the bidders before submitting. The bidder, after initial submission of a bid, cannot subsequently increase the bid. They can only reduce their bid by the minimum permissible decrement or its multiples. The last bid submitted by the bidder in the Reverse Auction will be considered as the valid price bid offered by that bidder and will be the basis for evaluation / acceptance by Nalco.
12. System displays L1 landed price in auction creation form and the same will be the 'start bid' price.
13. **Elapsed time:** Shall be fixed at ten minutes. There will be auto extensions of time, every time, (by ten minutes) in case of any reduction recorded in the last auto-extension-time-duration. The reverse auction will come to a close only when there is no further reduction recorded in the last ten minutes slot.
14. **Maximum Seal Percentage:** It is the maximum reduction that can be allowed in the bidding process in a single go. Higher reduction will not be allowed by the system. This protects any possible mistakes by bidders. For any higher discount, the bidder has to repeat the action and the system allows it.
15. Only the chronologically last bid submitted by the bidder till the end of the auction shall be considered as the valid price bid of that bidder. Any bid submitted earlier by the bidder prior to submission of his last bid will not be considered as valid price bid.
16. Final BOQ-Comparative-Chart is generated from the system, by freezing the tender at the end of reverse auction process. This chart contains original offer and L1 auction price details. The log details of the entire reverse auction process will be generated by the system once the process of reverse auction is completed. The above information can also be accessed by the participating bidders, once the reverse auction is completed.
17. In case of disruption of service at the CPP Portal end during Reverse Auction Process, the Reverse Auction Process will start all over again. In such a situation, the last recorded lowest price of prematurely ended Reverse Auction Process, will be the 'Start Bid' price for the restarted process.

Disruption and restarting of Reverse Auction Process shall be intimated to all the bidders through system/SMS/e-mail through CPP Portal. All the stipulations of pre-maturely ended Reverse Auction Process will be applicable to the restarted process.

18. Bidders at their own interest should ensure uninterrupted internet connectivity at their end during the reverse auction with necessary backups to take care of any connectivity problem.
19. Bid Decremental Value & Maximum Seal Percentage shall be uploaded in CPPP keeping in view the L-1 price. In order to have trouble-free elementary level reverse auction process, NALCO reserves the right to make any changes, as deemed fit.

## PROPOSED SITE ORGANISATION

### NAME OF TENDERER :

Tenderer is to indicate here the site organization, he proposes to set up for execution of the work.

It is understood that this will be augmented from time to time depending on the requirements for timely completion of the work as directed by the Engineer-in-Charge.

Tenderer is also to furnish the bio-data of the Resident Engineer & key personnel to be deployed at site.

### **COMPLIANCE TO INTEGRITY PACT:**

Bidders are required to unconditionally accept the "Integrity Pact (IP)" (to be executed on plain paper), as per format attached at Annexure-C21 of NIT , which may be considered as pre-signed by the Employer, and submit the same duly signed on all pages by the Bidder's Authorized Signatory in a separate sealed envelope before stipulated NIT / submission time at the address specified in the NIT . Bidder and its Subsidiary (ies) and/or Holding Company and/or Subsidiary(ies) of its Holding Company / Consortium members shall individually sign Integrity Pact (IP) and shall submit in a separate sealed envelope before stipulated NIT submission time at the address specified NIT . Bidder's failure to comply with the aforesaid requirement regarding submission of Integrity Pact (IP)' shall lead to outright rejection of offer Proposal as being non-responsive and shall not be opened.

In case of selected bidder being a Consortium, in addition to above, after incorporation of Joint Venture Company, Integrity Pact shall be signed by the Joint Venture Company along with Project Agreement.

#### **1. Independent External Monitors (IEMs)**

1. In respect of this Tender, the Independent External Monitor (IEM) would be monitoring the Bidding Process and execution of Agreement to oversee implementation and effectiveness of the Integrity Pact Program .

The name and contract details of all the IEMs are as follows-

**Smt. Deepa Krishan IRS (Retd.)**  
C 2603, Sushant Lok-1  
Gurgaon, Haryana PIN-122002

**E-mail: deepakrishan@gmail.com**

**Dr. Meeran C Borwankar IPS (Retd.)**  
C 10/5, Vasant Vihar  
New Delhi-110052

**E-mail: mcborwankar@gmail.com**

**Ms Archana Ranjan, IRS (Retd.)**  
A 4/1, Vasant Vihar,  
New Delhi-110057

**e-mail: ranjan.archana@gmail.com**

All complaints shall be dealt/examined jointly by the full panel of IEMs. However, complaint can be received by any of the IEMs mentioned in the tender. The bidder(s), in case of any dispute(s) / complaint(s) pertaining to this package may raise the issue either with the designated 'Nodal Officer' in NALCO or directly with the IEM.

Bidder may write to the IEM through E-mail (Provided in the tender) for their grievances, if any, giving details of the tender reference, name of the tender issuing officer and Nalco's Unit for quick identification of the tender by the IEM.

Only representation in respect of Integrity Pact need to be addressed to the IEMs and no query regarding tender terms and conditions should be addressed to the IEMs. Any clarification regarding the tender details and terms & conditions should be addressed to NALCO's officials as per details given below.

**RAJESH SARKAR**

**Designation- DGM(Ceramic) Contracts**

Tender Inviting Authority

Tender & Contract Dept., CPP

Ph. No. **9437003807**

Email: [rajesh.sarkar@nalcoindia.co.in](mailto:rajesh.sarkar@nalcoindia.co.in)

2. The Independent External Monitors (IEMs) have the right to access without restriction to all Project documentations of the NALCO. The Monitor is under contractual obligation to treat the information and documents of the Bidder / Subsidiary (ies) and/or Holding Company and/or Subsidiary (ies) of its Holding Company / Consortium members/Sub Contractors with confidentiality.
3. If the Employer has terminated the Contract pursuant to Section-3 of the Integrity Pact (IP), NALCO shall act in accordance with **Section 6 of The Integrity Pact** .

**ANNEXURE A9**

**PREFERENCE TO MAKE IN INDIA**  
**ORDER NO. P-45021/2/2017-PP(BE-II), DTD: 16.09.2020**

- 1.0 The bidders are requested to go through the GoI Order No: P-45021/2/2017-PP(BE-II), DTD: 16.09.2020 for the purpose of Purchase Preference on the basis of Local Content and submit the Declaration by the Bidder accordingly.
- 2.0 For the purpose of this order dtd. 16.09.2020:-
  - 2.1 Local content means the **amount of value added in India** which shall, unless otherwise prescribed by the nodal ministry, **be the total value of the item procured** (excluding net domestic indirect taxes) **minus the value of imported content in the item** (including all customs duties) **as a proportion of the total value, in percent.**
  - 2.2 Class I local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 50%, as defined at cl. 2.1 above.
  - 2.3 Class II local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 20% but less than 50%, as defined at cl. 2.1 above.
  - 2.4 Non-local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content less than 20%, as defined at cl. 2.1 above.
  - 2.5 **'Margin of purchase preference'** means the maximum extent to which the price quoted by a "Class-I Local supplier" may be above the L1 for the purpose of purchase preference. The margin of purchase preference shall be 20% against the tender.
- 3.0 Subject to the provisions of the above order and to any specific instructions issued by the Nodal Ministry or in pursuance of this order, purchase preference shall be given to 'Class-I Local supplier' in procurement undertaken by procurement entities in the manner specified here under:-
 

**CASE-I (FOR DIVISIBLE QUANTITY):** All the provisions of the order No.P-45021/2/2017-PP(BE-II) dtd. 16.09.2020 shall be applicable for this tender towards purchase preference. However, in case of participation by MSE & ancillary units, the tender quantity reserved for MSE & ancillary units as per purchase preference policy of NALCO for MSEs as mentioned in the tender document shall take precedence over the purchase preference against the above mentioned order (to be mentioned, if applicable).
- 4.1 In the procurement of goods or works which are divisible in nature, the 'Class-I Local Supplier' shall get purchase preference over 'Class-II local supplier' as per the following procedure:
  - a) Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract of full quantity will be awarded to L1.
  - b) If L1 bid is not a 'Class I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to Class-I local supplier's quoted price falling within the margin of purchase preference and contract for that quantity shall be awarded to such 'Class-I Local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I Local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I Local supplier', within the margin of purchase preference shall be invited to match the L1 price for the remaining quantity and so on and the contract shall be awarded accordingly. In case some quantity is still left uncovered on 'Class-I Local supplier', then such balance quantity may also be ordered on the L1 bidder.
- 4.2 'Class-II local supplier' will not get purchase preference in any procurement undertaken by procuring entities.

**CASE-11(FOR NON-DIVISIBLE QUANTITY):** All the provisions of the order No. P-45021/2/2017-PP(BE-II) dtd. 16.09.2020 shall be applicable for this tender towards purchase preference.

- 4.3 In the procurement of goods or works which are not divisible in nature, the 'Class-I Local Supplier' shall get purchase preference over 'Class-II local supplier' as per the following procedure:
- Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
  - If L1 bid is not a 'Class I local supplier', the lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference and contract shall be awarded to such 'Class-I Local supplier' subject to matching the L1 price.
  - In case such lowest eligible 'Class-I Local supplier' fails to match the L1 price, 'Class-I Local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I Local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- 4.4 'Class-II local supplier' will not get purchase preference in any procurement undertaken by procuring entities.
- 5.0 **Verification of local content.**
- 5.1 The 'Class-I local supplier'/ 'Class II-local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier'/ 'Class II-local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made. **Declaration to be given in the format attached/enclosed below.**
- 5.2 In case of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier'/ 'Class II- local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of the companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- 5.3 Decisions on complaints relating to implementation of this order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
- 6.0 **Only "Class-I local suppliers and Class-II local suppliers", as defined under the order, shall be eligible for participation against this tender. The offers of 'Non-Local Suppliers' shall not be considered for evaluation against this tender.**

====XXX====

**(Declaration by the bidder on their letter head)**

To, GM (T&C),  
M/s. National Aluminium Company Limited,  
Captive Power Plant  
Dist.-Angul, Odisha-759145

Sub: Declaration of % of Local content along with the place of value addition. (Ref. No: GoI order No: P-45021/2017-PP (BE-II), Dated: 16.09.2020)

Tender Ref. No:

Dear Sir,

We, M/s. \_\_\_\_\_ having its office at \_\_\_\_\_ (address)

hereby confirm that the offered product has \_\_\_\_\_% of the local content.

Following is/are the location(s) at which local value addition is made:

—  
—

Yours sincerely,

Signature

Name:

Designation:

Contact No.:

ANNEXURE-A10

**Compliance of Public order on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 and ORDER NO:F.No.6/18/2019-PPD DATED 23/07/2020 & 24/07/2020**

**DEFINITIONS**

1. GOI vide Order (Public Procurement No.1, 2 & 3) dated 23 Jul 2020 & 24 Jul 2020 has imposed Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 on bidders from a country which shares a land border with India.
2. "Bidder" for the purpose of this Order (Public Procurement No.1, 2 & 3) (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process
3. "Bidder from a country which shares a land border with India" for the purpose of this Order (Public Procurement No.1, 2 & 3) means
  - a. An entity incorporated, established or registered in such a country; or
  - b. A subsidiary of an entity incorporated, established or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d. An entity whose beneficial owner is situated in such a country; or
  - e. An Indian (or other) agent of such an entity; or
  - f. A natural person who is a citizen of such a country; or
  - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

**Note:** "Beneficial owner" for the purpose of above paragraph (3) will be as under:

- i. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

**Explanation**

- a) "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
  - b) "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements;
- ii. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
  - iii. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

- iv. Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- v. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- vi. "Agent" for the purpose of this Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 is a person employed to do any act for another, or to represent another in dealings with third persons.

**Rule: Following shall be complied by the Bidders of the said countries while submitting bids.**

- A) Any bidder from a country who shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. The Competent Authority for the purpose of registration under this Order shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). However, Order will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. Lists of countries to which lines of credit have been extended or in which development projects are undertaken are given in the website of the Ministry of External Affairs. This order shall also not apply to procurement by Indian missions and by offices of government agencies / undertakings located outside India.
- B) **The Bidder shall have to submit declaration / certificate as per the attached Format towards compliance of Public Order on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017. B)**
- C) For works contracts, including Turnkey contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of "Contractor from a country which shares a land border with India" shall be as in paragraph (3) above.

\*\*\*

**Format for Declaration towards Compliance of Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 .**

This declaration must form part of all tenders & it contains general information and serves as a declaration form for all bidders. (Before completing this declaration, bidders must study the General Conditions, Definitions, Govt Directives applicable in respect of Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017& prescribed tender conditions).

**DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM**

I, the undersigned , ..... (full names),  
do hereby declare, in my capacity as .....  
of M/s .....(name of bidder entity), that:

- 1) The facts contained herein are within my own personal knowledge.
- 2) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order.
- 3) I certify that M/s .....(name of bidder entity) is not from such a country or, is from such a country (**strike out whichever is not applicable**), has been registered with the Competent Authority. I hereby certify that this SUPPLIER fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority is attached].
- 4) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s .....(name of bidder entity) is found to be false, this would be a ground for immediate termination and further legal action in accordance with law as per Clause 12 of the Public Order on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017

AUTHORISED SIGNATURE:

DATE: \_\_\_\_\_

**Seal / Stamp of Bidder**

# PART – B

## Contract specific information

**ANNEXURE-B1**

**CPP T&C DEPARTMENT**  
Web site: [www.nalcoindia.com](http://www.nalcoindia.com)  
**CONTRACT DETAILS**

Form no: F-02/CNT/IDPM/02

Page 1 of 2

1.0	Name of the Work	R & M contract for Civil Maintenance work for the system of Fly ash disposal in lean slurry mode from CPP, NALCO to Bharatpur (South) abandoned mines void of M/s MCL, including return water system, CISF Barrack, Watch Towers for the year 2024-2026.	
1.1	Nature of the Work	REVENUE	
1.1(i)	Details of "Items Critical to quality" in case of "Specialized Jobs".	NOT APPLICABLE	
1.1(ii)	Minimum Workable offer if applicable (Additional performance Guarantee Bond in case of abnormal low bid)	NOT APPLICABLE- Clause No.22.2 of Annexure-A1.	
1.2	Location of the work	BOTH INSIDE AND OUTSIDE PLANT PREMISES	
2.0	NIT reference	MC-5429	
3.0	Contract Period	02 (TWO) YEARS	
4.0	No.of Agency required and %distribution of work(subject to availability of bidders)	a) No. of Agency:- 02 (Two) b) Distribution of work: 55:45%	
4.1	Mode of tendering	OPEN	REVERSE AUCTION
4.2	Type of bidding	TWO PART	
4.3	E.M.D. amount	Rs.1,25,000/-(Rupees One Lakh Twenty Five Thousand only) (Ref. Clause 4.0 of Annexure-A1).	
5.0	Tender e-Submission Start Date/Time.	From Date:29.10.2024 (6:00 PM)	
5.1	Tender e-Submission Last Date/Time.	By Date:27.11.2024 (10:00 AM)	
6.0	e-Tender Opening Date/Time	On Date:28.11.2024 (10:30 AM)	
7.0	Validity of Offer	04 (Four) Months from the original date of Tender Opening / last Extended tender opening date, if extension done (As per CPP Portal).	
8.1	Bank Guarantee / Indemnity Bond value Against Free Issue Materials.	(i) B.G : NOT APPLICABLE. (ii) I.B : NOT APPLICABLE. (Ref clause no:20.2 of Annexure-A1)	
8.2	Bank Guarantee against spare materials / equipments taken outside the Plant.	(i) B.G : NOT APPLICABLE. (Ref clause no:20.2 of Annexure-A1)	
9.0	Defect Liability Period	12 (Twelve) Months (Ref clause 30 of Annexure-A1)	
10.1	Current minimum daily wages of all categories of labour	Refer Annexure-B5	
10.2.1	The values of L <sub>0</sub> and Y applicable (L <sub>0</sub> =Minimum labour rate) (Y =Labour component )	Rs.591/-, Y <sub>L</sub> =52.95% (Ref Annexure-B5)	
10.2.2	The values of D <sub>0</sub> and Y applicable (D <sub>0</sub> = Diesel rate at Angul at the time of tendering) (Y = Fuel cost component )	NOT APPLICABLE.	

10.3.1	Labor hike reimbursement against change in minimum wages.	NOT APPLICABLE. (Ref clause-28.0 of Annexure-A1)
10.3.2	Fuel escalation against change in Fuel Price	NOT APPLICABLE. (Ref clause-29.0 of Annexure-A1)
10.4	HRD clearance	APPLICABLE. (Ref clause 17,18, 19 of Annexure-A1)
10.5	PF & ESI	APPLICABLE. (Ref clause 2.2.3 ,31.7 of Annexure-A1)
11	Type of Contract under GST & Applicability of GST & ITC on GST	Applicable as per CGST/ SGST/ UTGST & IGST (Ref Clause No.25 of Annexure-A1)
12	Service Accounting Code (SAC) of the contract/Harmonized system of nomenclature (HSN) code	Applicable. (SAC No.995419) (Ref Annexure-C18)
13	Recovery towards compensation for delay	Ref clause no: 32 of Annexure-A1.
14	Recovery of Building and Other Const. workers' BOCW (RE& CS ) Cess.	Not Applicable (Ref clause no:27.8 of Annexure-A1)
15	Gate pass details	<del>H.S.W- 0/ S.W- 0 / S.S.W- 0 / U.S.W- 0/</del> <b>TEMPORARY- APPLICABLE</b>
16	Integrity Pact	APPLICABLE
17	Declaration by Bidder for Implementation of Integrity (ANNEXURE-C32)	NOT APPLICABLE
18	Security Deposit	Applicable as per Clause No.24.0 of Annexure-A1 of NIT

**IMPORTANT POINTS TO BE NOTED FOR SUBMISSION OF BID**

19.	The tender document should be digitally signed, before online submission.
20.	Correction & over writings are not permissible. Any corrections should be signed with date by the person, signing the tender document.
21.	If any tenderer is having any unauthorized structure / occupation inside Nalco Township / Plant, their offer will not be considered for evaluation and shall be liable for rejection.
22.	All the supporting documents (Issued by other agency/third party ) submitted with the offer should be attested by a gazetted officer or Notary Public.
23.	The bidder has to submit the 'Necessary Forms/ annexures as per NIT which are to be downloaded, filled up and self signed by bidder before uploading.
24.	Pre Contract Integrity Pact at <b>Annexure-C21</b> must be filled up and signed by the tenderer.
25.	You are requested to go through "Check list for bidder" and Clause No- 07 of Annexure-A1 of NIT details regarding Mode, Submission, Receipt & Opening of Tender.
26.	Scanned copy of EMD amount and Tender Fee are to be submitted along with online tendering. However, the original Draft instrument of Tender fee, a Cancelled Cheque and EMD amount should also be submitted to CPP Contract cell, so as to reach the Tender Inviting Authority, before the tender opening date and time. NALCO is not responsible for missing or delay in receiving those monetary instruments & documents.
27.	For reverse auction, Bid Decremental Value & Maximum Seal Percentage shall be uploaded in CPPP keeping in view the L-1 price. In order to have trouble -free elementary level reverse auction process, NALCO reserves the right to make any changes, as deemed fit. (APPLICABLE)

**(RAJESH SARKAR)**  
Tender Inviting Authority  
Tender & Contract Dept., CPP

SUB: R & M CONTRACT FOR CIVIL MAINTENANCE WORK FOR THE SYSTEM OF FLY ASH DISPOSAL IN LEAN SLURRY MODE FROM CPP, NALCO TO BHARATPUR (SOUTH) ABANDONED MINES VOID OF M/S MCL, INCLUDING RETURN WATER SYSTEM, CISF BARRACK, WATCH TOWERS FOR THE YEAR 2024-2026.

AGENCIES INTENDING TO PARTICIPATE SHALL FULFILL THE FOLLOWING MINIMUM PRE-QUALIFICATION CRITERIA (WITH SUPPORTING DOCUMENTS & THEY NEED TO FILL UP ANNEXURE-C25 TO ANNEXURE-C27 OF THE NIT TO ENSURE SUBMISSION OF ALL DOCUMENTS AS PER REQUIREMENT OF NALCO)

**PRE QUALIFYING CRITERIA.**

**A) TECHNICAL**

Experience criteria	Documentary proof
<p>The bidder should have experience of having successfully completed <b>“Similar work “</b> during the last seven years ending on last day of the month previous to the one in which the NITs are invited, should be either of the following :</p> <ol style="list-style-type: none"> <li>1. <b>Three</b> similar completed / partially completed works each (with above criteria) having <b>executed value (excluding taxes) not less than Rs. 28.83 Lakhs (Rupees Twenty eight lakhs and eighty three thousand only)</b> <b>OR</b></li> <li>2. <b>Two</b> similar completed/partially completed works each(with above criteria) having <b>executed value (excluding taxes) not less than Rs.36.03 Lakhs (Rupees Thirty six lakhs and three thousand only)</b> <b>OR</b></li> <li>3. <b>One</b> similar completed/partially completed works each (with above criteria) having <b>executed value (excluding taxes) not less than Rs. 57.65 Lakhs (Rupees Fifty seven lakhs and sixty five thousand only)</b></li> </ol> <p>The work experience should be of <b>“Working Directly”</b> and possess relevant experience as per the details given under experience criteria. <b>“Working directly”</b> implies, working as a Contractor or Sub Contractor under authorities who is the principle Owner of the Work.</p> <p><b><u>Evaluation criteria:</u></b> Cost of the completed works by the bidder shall be escalated @ 10% per annum (Simple rate) to bring them at the current price level.</p> <p>(The cost of work completed within one year prior to original date of bid opening shall not be considered for any weightage.</p>	<ol style="list-style-type: none"> <li>1. The bidder should submit copy of following documents duly attested by a notary public or Gazetted officer. <ol style="list-style-type: none"> <li>a) Work order value along with amendment (if any), Scope of Work &amp; Bill of quantity for assessment of Experience Criteria.</li> <li>b) Satisfactory Completion Certificate indicating the value of work executed &amp; period of contract obtained from Principal Owner of the work for whom the work has been executed.</li> </ol> </li> <li>2. In case the bidder submits the credentials as a subcontractor the following copies are to be submitted duly attested by a notary public or gazette officer: <ol style="list-style-type: none"> <li>a) Detailed work order / PO / Agreement from the main agency.</li> <li>b) Completion certificate issued by main agency indicating the value of work executed &amp; period of contract.</li> <li>c) Completion certificate issued by the Principal / project authorities in favour of the main agency showing due completion of the package.</li> </ol> </li> <li>3. In case of partially completed works the party has to submit the part completion certificate indicating the value of work completed and the performance / progress of the bidder should be satisfactory.</li> </ol> <p><b>NB : For the documents at (1), (2) &amp; (3) above, the Experience/Completion</b></p>

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

The weightage shall only be considered for work completed prior to one year of original date of bid opening on annual basis and no weightage shall be given for part of the year)

**“Similar Work”** means “Civil maintenance /Construction work like Earthwork, Concrete work, Brick masonry work, structural steel works, etc.”

Partially completed work in progress (not abandoned) shall be considered.

**Certificates shall be considered only when it bears the Name and Designation of Issuing Authority. This is only applicable for Experience/Completion Certificates issued after 30/06/2022.**

(RAJESH SARKAR)  
Tender Inviting Authority  
Tender & Contract Dept., CPP

**B) FINANCIAL**

Eligibility criteria	Documentary proof
<p>1. The average annual turnover of the vender for last three financial years should be minimum <b>Rs. 21.62 Lakhs (Rupees Twenty one Lakhs and sixty two thousand only)</b>. (Turn over shall be escalated @ 10% per annum (Simple Rate) to bring them at the current price level.</p> <p>The turnover of the latest previous year shall not be considered for any weightage.)</p> <p>2. Net worth of the bidder during the last financial year shall be positive as per audited balance sheet.</p>	<p>The bidders have to submit the copies of audited financial statement and profit &amp; loss accounts of the relevant years in support of both the qualifying criteria along with the bid.</p> <p><b>Note</b> 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. 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>

**C) CRIMINAL BACKGROUND:**

The bidder or its Proprietor/Partner(s)/Director(s) of the firm should not have been convicted by a court of Law for an offence involving moral turpitude in relation to business dealings during the past seven years for acceptance of the offer. The bidder shall give an **affidavit** to this effect. The affidavit must be affirmed before the competent judicial authority or duly notarized by the Notary only after date of said tender floating. Besides, bidder should furnish litigation history of their firm or group firm (if claiming fulfillment of PQC on group entity terms). The litigation history shall be as per the Format at Annexure-C22 for the purpose of affidavit:

**D)** The bidder should possess independent EPF, ESI, & PAN based GST registration certificates of their firm (as applicable). The party should also possess PAN in the name of the firm or sole proprietor The bidders are required to upload copy of EPF & ESI certificates and PAN along with the proof of ownership of their firm (in case of PAN is in the name of sole proprietor) along with the offer.

**Note:**

1. Agencies intending to participate shall fulfill minimum Pre-Qualification Criteria (With supporting documents & they need to fill up Annexure-C25 To Annexure-C27 Of The NIT. All the supporting documents submitted should be attested by a Notary Public or A Gazette Offer. They also have to submit EMD.
2. The bidder needs to submit (upload) the photocopies of all brief orders presently under execution by them as a part of their concurrent commitment.
3. The value indicated in the experience criteria against 03 (Three) OR 02 (Two) OR 01 (One) work order are excluding all taxes and duties. Therefore, value in work order and completion certificate of the vendor will be considered excluding all the taxes and duties.

4. The Experience/Completion Certificates shall be considered only when it bears the Name and Designation of Issuing Authority. This is only applicable for Experience/Completion Certificates issued after 30/06/2022.

**(RAJESH SARKAR)**  
Tender Inviting Authority  
Tender & Contract Dept., CPP

**ANNEXURE-B2**

**SUB: R & M CONTRACT FOR CIVIL MAINTENANCE WORK FOR THE SYSTEM OF FLY ASH DISPOSAL IN LEAN SLURRY MODE FROM CPP, NALCO TO BHARATPUR (SOUTH) ABANDONED MINES VOID OF M/S MCL, INCLUDING RETURN WATER SYSTEM, CISF BARRACK, WATCH TOWERS FOR THE YEAR 2024-2026.**

**Technical Specification:**

The Technical Specification of the major works are described below. However For detail specification, latest revision of CPWD specification and relevant Indian Standard codes of latest revision and correction slips shall be referred.

**1. Excavation of Earth**

- This shall be carried out as required for all kinds of works in foundations including trenches, embankment slopes, pavements, wall footings, foundations, pipe lines, cable trenches, pits etc in all types of strata.
- Excavation shall be done to widths, lines and levels as per the instructions of Manager In charge.
- Dressing of sides, levelling, grading, and ramming of bottoms, pumping and bailing out of rain water, sub-soil water at contractor's own cost.
- Providing temporary supports to existing service lines like water pipes, sewerage, electrical cables etc. including shoring and strutting at his own cost as per direction of Manager-in-charge.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**2. Back Filling of available excavated earth:**

- Back Filling of available excavated earth (excluding rock) in foundations, trenches, plinths, etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by mechanical means/manual means, ramming and watering, including loading, unloading, transportation by mechanical means all complete as per specifications and directions of MIC.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**3. Supplying & Filling Sand:**

- Sand filling shall be done in a manner similar to earth filling except that consolidation shall be done by flooding with water. The surface of the consolidated sand filling shall be dressed to the required level or slope and shall not be covered till the Engineer-in-Charge has inspected and approved the sand filling. Sand shall be clean and free from dust organic and foreign matter and its grading shall be within the limits.
- The rates include the cost of material, cost towards royalty, labour, machinery involved in all the operations described above.

**4. Providing & Laying Plain Cement Concrete-PCC :**

- The mix proportion of the concrete should be such that the concrete is of adequate workability for the placing conditions of the concrete and can properly be compacted with the means available. For most of the placing conditions, internal vibrators (needle vibrators) are suitable. The diameter of the needle shall be determined based on the density & thickness of placement.
- The determination of the proportion of cement, aggregate and water to attain the required strength for the plain cement concrete shall be made by designing the concrete mix or by adopting nominal concrete mix. Design mix concrete is preferred to nominal mix.
- Concrete shall be thoroughly compacted and fully worked around embedded fixtures and into corners of the form work. Compaction shall be done by mechanical vibrator of appropriate type till a dense concrete is obtained. To prevent segregation, over vibration shall be avoided. After

compaction the top surface shall be finished even and smooth with wooden trowel before the concrete begins to set.

- Curing is the process of preventing loss of moisture from the concrete. Exposed surfaces of concrete shall be kept continuously in a damp or wet condition by ponding or by covering with a layer of sacking, canvas, Hessian or similar materials and kept constantly wet for a period as specified for different type of structures as per IS code.
- The rates include the cost of material, cost towards royalty, labour, machinery involved in all the operations described above.

**5. Providing & Laying Reinforced Cement Concrete-RCC :**

- Water, cement, fine and coarse aggregate shall be as specified in the plain cement concrete work.
- Concreting shall be commenced only after Engineer-in-Charge has inspected the centering, shuttering and reinforcement as placed and passed the same. Shuttering shall be clean and free from all shavings, saw dust, pieces of wood, or other foreign material and surfaces shall be treated as prescribed.
- The concrete shall be deposited in its final position in a manner to preclude segregation of ingredients. In deep trenches and footings concrete shall be placed through chutes or as directed by the Engineer-in-Charge. In case of columns and walls, the shuttering shall be so adjusted that the vertical drop of concrete is not more than 1.5 meters at a time.
- No concrete shall be laid within half an hour of the closing time of the day, unless permitted by the Engineer-in-Charge.
- It is necessary that the time between mixing and placing of concrete shall not exceed 30 minutes so that the initial setting process is not interfered with.
- Concreting shall be carried out continuously up to the construction joints, the position and details of which shall be as shown in structural drawing or as directed by Engineer in-Charge.
- After the concrete has begun to harden i.e. about 1 to 2 hours after its laying, it shall be protected from quick drying by covering with moist gunny bags, sand, canvass Hessian or any other material approved by the Engineer-in-Charge. After 24 hours of laying of concrete, the surface shall be cured by ponding with water for a minimum specified period.
- IS 456- 2000 Code of Practice for Plain and Reinforced Concrete (as amended up to date) shall be followed in regard to Concrete Mix Proportion and its production.
- The rates include the cost of material, cost towards royalty, labour, machinery involved in all the operations described above.

**6. Form Work (Centring, Shuttering & Scaffolding):**

- Form work shall include all temporary or permanent forms or moulds required for forming the concrete which is cast-in-situ, together with all temporary construction required for their support.
- The form work shall be strong enough to withstand the dead and live loads and forces caused by earth pressure, ramming and vibrations of concrete and other incidental loads, imposed upon it during and after casting of concrete. It shall be made sufficiently rigid by using adequate number of ties and braces, screw jacks or hard board wedges where required shall be provided to make up any settlement in the form work either before or during the placing of concrete.
- Form work used shall be of sufficient stiffness to avoid excessive deflection and joints shall be tightly butted to avoid leakage of slurry. The steel shuttering should also be properly repaired before use and properly cleaned to avoid stains, honey combing, seepage of mortar/ slurry through joints etc.
- Only steel shuttering shall be used, except for unavoidable portions and very small works for which 12 mm thick water proofing ply of approved quality may be used.

- Form work shall be properly designed for self weight, weight of reinforcement, weight of fresh concrete, and in addition, the various live loads likely to be imposed during the construction process (such as workmen, materials and equipment). In case the height of centering exceeds 3.50 metres, the prop may be provided in multi-stages.
- The completed form work shall be inspected and approved by the Engineer-in-Charge before the reinforcement bars are placed in position.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**7. Reinforcements:**

- Steel reinforcement shall be clear and free from loose mill scales, dust, loose rust, coats of paints, oil or other coating which may destroy or reduce bond. It shall be stored in such a way as to avoid distortion and to prevent deterioration and corrosion.
- Reinforcement steel shall be of High strength deformed steel bars Fe- 500 / 500D Thermo Mechanically Treated conforming to IS 1786. Bars shall be bent correctly and accurately to the size and shape as shown in the detailed drawing or as directed by Engineer-in-Charge.
- The anchorage length of straight bar shall be equal to the 'Development length' of bars in compression as specified in IS: 456.
- Fabricated reinforcement bars shall be placed in position as shown in the drawings or as directed by the Engineer-in-charge. The bars crossing one another shall be tied together at every intersection with two strands of annealed steel wire 0.9 to 1.6 mm thickness twisted tight to make the skeleton of the steel work rigid so that the reinforcement does not get displaced during deposition of concrete. Tack welding in crossing bars shall also be permitted in lieu of binding with steel wire if approved by Engineer-in-Charge.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**8. Mortar Works:**

- The cement used in the cement mortar shall be any of the following grade and the type selected should be appropriate for the intended use.
- Portland slag cement conforming to IS 455.
- Portland Pozzolana cement (fly ash based) conforming to IS 1489 (Part 1).
- Different types of cement shall not be mixed together.
- Fine aggregate shall consist of natural sand most of which passes through 4.75 mm IS sieve. It shall be hard, durable, chemically inert, clean and free from adherent coatings, organic matter etc. and shall not contain any appreciable amount of clay balls or pellets and harmful impurities.
- Sand requiring use for mortar for plaster work shall conform to IS 1542 and for masonry work shall conform to IS 2116.
- The rates include the cost of material, cost towards royalty, labour, machinery involved in all the operations described above.

**9. Brick Masonry Works:**

- Specified/ Required size and quality of fly ash cement bricks shall be used in the brick masonry work. The scope also includes supplying of fly ash cement bricks inside the plant premises as indicated in the detail scope of work.
- The Fly-Ash cement bricks shall be of Non-modular size and compressive strength should not be less than 100 Kg/cm<sup>2</sup>. The dimension, tolerance, physical characteristics, sampling & testing criteria for Fly-Ash cement bricks shall confirm to IS: 12894.
- The mortar for the brick work shall be as specified, and conform to accepted standards.
- Bricks shall be soaked in water before use for a period for the water to just penetrate the whole depth of the bricks.
- When the bricks are soaked they shall be removed from the tank sufficiently early so that at the time of laying they are skin-dry. Such soaked bricks shall be stacked on a clean place where they are not again spoiled by dirt earth etc.
- Bricks shall be laid in English Bond unless otherwise specified.
- Bricks shall be laid on a full bed of mortar, when laying, each brick shall, be properly bedded and set in position by gently pressing with the handle of a trowel.
- Curing-The brick work shall be constantly kept moist on all faces for a minimum period of seven days. Brick work done during the day shall be suitably marked indicating the date on which the work is done so as to keep a watch on the curing period.
- Scaffolding-Scaffolding shall be strong to withstand all dead, live and impact loads which are likely to come on them. Scaffolding shall be provided to allow easy approach to every part of the work.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**10. Structural Steel Works:**

- The steel work in single section of flats, Tees, Angles, channels, fixed independently with or without connecting plate.
- Fabrication - The steel sections as specified shall be straightened and cut square to correct lengths. The cut ends exposed to view shall be finished smooth. No two pieces shall be welded or otherwise jointed to make up the required length of member.
- All straightening and shaping to form, shall be done by pressure. Bending or cutting shall be carried out in such a manner as not to impair the strength of the metal.
- Painting - All surfaces which are to be painted, oiled or otherwise treated shall be dry and thoroughly cleaned to remove all loose scale and loose rust. Surfaces not in contact but inaccessible after shop assembly, shall receive the full specified protective treatment before assembly. This does not apply to the interior of sealed hollow sections. Part to be encased in concrete shall not be painted or oiled. A priming coat of approved steel primer such as Red Oxide/Zinc Chromate primer conforming to IS 2074 shall be applied before any member of steel structure are placed in position or taken out of workshop.
- Erection-Steel work shall be hoisted and placed in position carefully without any damage to itself and other building work and injury to workmen, where necessary mechanical appliances such as lifting tackle winch etc. shall be used. The suitability and capacity of all plant and equipment used for erection shall be up to the satisfaction of the engineer-in-charge.
- The rates include the cost of material, labour, machinery, painting, supply, fabrication & erection involved in all the operations described above.

### 11. Exterior Painting On Wall

- Material-The paint shall be (Textured exterior paint/Acrylic smooth exterior paint/premium acrylic smooth exterior paint) of approved brand and manufacture.
- This paint shall be brought to the site of work by the contractor in its original containers in sealed condition. The material shall be brought in at a time in adequate quantities to suffice for the whole work or at least a fortnight's work. The materials shall be kept in the joint custody of the contractor and the Engineer-in-Charge. The empty containers shall not be removed from the site of work till the relevant item of work has been completed and permission obtained from the Engineer-in-Charge.
- Preparation of Surface-For new work, the surface shall be thoroughly cleaned off all mortar dropping, dirt dust, algae, fungus or moth, grease and other foreign matter of brushing and washing, pitting in plaster shall make good, surface imperfections such as cracks, holes etc. should be repaired using white cement. The prepared surface shall have received the approval of the Engineer in charge after inspection before painting is commenced.
- Before pouring into smaller containers for use, the paint shall be stirred thoroughly in its container, when applying also the paint shall be continuously stirred in the smaller containers so that its consistency is kept uniform. Dilution ratio of paint with potable water can be altered taking into consideration the nature of surface climate and as per recommended dilution given by manufacturer. In all cases, the manufacturer's instructions & directions of the Engineer-in-charge shall be followed meticulously.
- Paint shall be applied with a brush on the cleaned and smooth surface. Horizontal strokes shall be given, First and vertical strokes shall be applied immediately afterwards. This entire operation will constitute one coat. The surface shall be finished as uniformly as possible leaving no brush marks.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

### 12. Painting With Synthetic Enamel Paint:

- Synthetic Enamel Paint (conforming to IS 2933) of approved brand and manufacture and of the required colour shall be used for the top coat and an undercoat of ordinary Paint of shade to match the top coat as recommended by the same manufacturer as for the top coat shall be used.
- Surfaces where painting to be done shall be cleaned of grease, smoke etc. and rubbed with sand paper to remove all loose particles dusted off. All patches and cracks shall then be treated and the surface shall again be rubbed and made smooth and uniform.
- The number of coats including the undercoat shall be as stipulated in the item.
  - (a) Under Coat: One coat of the specified ordinary Paint of shade suited to the shade of the top coat, shall be applied and allowed to dry overnight. It shall be rubbed next day with the finest grade of wet abrasive paper to ensure a smooth and even surface, free from brush marks and all loose particles dusted off.
  - (b) Top Coat: Top coats of synthetic enamel Paint of desired shade shall be applied after the undercoat is thoroughly dry. Additional finishing coats shall be applied if found necessary to ensure properly uniform glossy surface.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**13. Painting With Acrylic distemper:**

- Distemping with 1st quality acrylic distemper (ready mixed) of approved manufacturer of required shade and colour complete, as per manufacturer's specification.
- The primer where used as on new work shall be cement primer or distemper primer. These shall be of the same manufacture as distemper. The distemper and primer shall be brought by the contractor in sealed tins in sufficient quantities.
- Preparation of the Surface - For new work the surface shall be thoroughly cleaned of dust, old white or colour wash by washing and scrubbing. The surface shall then be allowed to dry for at least 48 hours. It shall then be sand papered to give a smooth and even surface. Any unevenness shall be made good by applying putty, and then sand papering the same after it is dry.
- Application (i) Priming Coat : The priming coat shall be with distemper primer or cement primer, as required in the description of the item. (ii) Distemper Coat : For new work, after the primer coat has dried for at least 48 hours, the surface shall be lightly sand papered to make it smooth for receiving the distemper, taking care not to rub out the priming coat. All loose particles shall be dusted off after rubbing.
- Two or more coats of distemper as are found necessary shall be applied over the primer coat to obtain an even shade.
- The rate shall include the cost of all labour and materials involved in all the above operations (Including priming coat) described above.

**14. Rolling Shutters:**

- Rolling shutters shall conform to IS 6248. These shall include necessary locking arrangement and handles etc. The door shall be either push and pull type or operated with mechanical device.
- Shutters up to 10 sq. metre shall be of push and pull type and shutters with an area of over 10 sq. metre shall generally be provided with reduction gear operated by mechanical device with chain or handle, if bearings are specified for each of operation, these shall be paid for separately.
- Shutter : The shutter be built up of inter locking lath section formed from cold rolled steel strips. The thickness of the sheets from which the lath sections have been rolled shall be not less than 0.90 mm for the shutters upto 3.5 m width. Shutters above 9 metres width should be divided in 2 parts with provision of one middle fixed or movable guide channel or supported from the back side to resist wind pressure. The lath section shall be rolled so as to have interlocking curls at both edges and a deep corrugation at the centre with a bridge depth of not less than 12 mm to provide sufficient curtain of stiffness for resisting manual pressures and normal wind pressure. Each lath section shall be continuous single piece without any welded joint. When interlocked, the lath sections shall have a distance of 75 mm rolling centers. Each alternate lath section shall be fitted with malleable cast iron or mild steel clips securely riveted at either ends, thus locking in the lath section at both ends preventing lateral movement of the individual lath sections. The clips shall be so designed as to fit the contour of the lath sections.
- Spring : The spring shall be of coiled type. The spring shall be manufactured from high tensile spring steel wire or strips of adequate strength conforming to IS 4454- Part I .
- Roller and Brackets : The suspension shaft of the roller shall be made of steel pipe conforming to heavy duty as per IS 1161. For shutter upto 6 metre width and height not exceeding 5 metre, steel pipes of 50 mm nominal bore shall be used.
- When the width of the opening is greater than 3.5 mtr. The cast iron pulleys shall be interconnected with a cage formed out of mild steel flats of at least 32 x 6 mm and mild steel dummy rings made of similar flats to distribute the torque uniformly.

- In case of shutters of large opening with mechanical device for opening the shutter the roller shall be fitted with a pulion wheel at one end which in contact with a worm fitted to the bracket plate, caging and pulley with two ball bearing shall be provided.
- Guide Channel : The width of guide channel shall be 25 mm the minimum depth of guide channels Clear width of shutters Depth of guide channel Upto 3.5 m 65 mm ,3.5 m upto 8 m 75 mm ,8 m and above 100 mm
- The gap between the two legs of the guide channels shall be sufficient to allow the free movement of the shutter and at the same time close enough to prevent rattling of the shutter due to wind.
- Each guide channel shall be provided with a minimum of three fixing cleats or supports for attachment to the wall or column by means of bolts or screws. The spacing of cleats shall not exceed 0.75 m. Alternatively, the guide channels may also be provided with suitable dowels, hooks or pins for embedding in the walls.
- The guide channels shall be attached to the jambs, plumb and true either in the overlapping fashion or embedded in grooves, depending on the method of fixing.
- Cover : Top cover shall be of mild steel sheets not less than 0.90 mm thick and stiffened with angle or flat stiffeners at top and bottom edges to retain shape.
- Lock plates with sliding bolts, handles and anchoring rods shall be as per IS 6248.
- Brackets shall be fixed on the lintel or under the lintel as specified with rawl. Plugs and screws bolts etc. The shaft along with the spring shall then be fixed on the brackets.
- The lath portion (shutter) shall be laid on ground and the side guide channels shall be bound with ropes etc. The shutter shall then be placed in position and top fixed with pipe shaft with bolts and nuts. The side guide channels and cover frames shall then be fixed to the walls through the plate welded to the guides. These plates and bracket shall be fixed by means of steel screws bolts, and rawl plugs concealed in plaster to make their location invisible. Fixing shall be done accurately in a workmen like manner that the operation of the shutter is easy and smooth.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

#### 15. Pressed Steel Door Frames:

- Steel door frames shall be manufactured from commercial mild steel sheet of specified thickness, conforming to IS 2062 and 4351. Steel door frames with or without fan light shall be made in the profiles indicated in Fig. 10.8 which may be manufactured to suit doors of either type opening inwards or outwards as directed by the Engineer-in-Charge.
- Each door frame shall consist of hinge jamb, lock jamb, head and if required angle threshold .These shall be welded or rigidly fixed together by mechanical means. Where no angle threshold is required, temporary base tie shall be screwed to the feet of frames in order to form a rigid unit. Where so specified base ties shall be of pressed mild steel 1.25 mm thick adjustable to suit floor thickness of 35 or 40 mm and removable , or alternatively, threshold of mild steel angle of section 50 x 25 mm, minimum shall be provided for external doors frames.
- There shall be three adjustable lugs with split end tail to each jamb without fan light, and four for jamb with fan light. The head of the fixing lug shall be of one of the following lengths:
  - (a) 98 mm long for use with profile A
  - (b) 120 mm long for use with profile B
- Frames shall be fixed up right in plumb and plane. To avoid sag or bow in width during fixing or during construction phase, temporary struts across the width preventing sides bulging inwards may

be provided. Wall shall be built solid on each side and grouted at each course to ensure solid contact with frame leaving no voids behind the frame.

- Three lugs shall be provided on each jamb with spacing not more than 75 cm. The temporary struts should not be removed till the masonry behind the frame is set. In case screwed base tie is provided, this should be left in position till the flooring is laid when it can be removed. After pre-treatment of the surface, one coat of steel primer and two coats, of paint, as directed by Engineer-in-charge shall be applied to the exposed surface.
- The rates include the cost of material, labour, machinery involved in all the operations described above.

**Note:** Technical Specifications of some of the major works are described above. However for detailed Technical Specification of various works as per the BOQ, CPWD Specification may be followed.

## 1.0 **SCOPE OF WORK:**

The scope of work detailed herein shall be read in conjunction with the other tender documents i.e. Specifications, Special condition of contract, General Conditions of Contract (GCC) of NALCO, etc. enclosed with the bid. The detailed scope of work in general but not limited to the works listed below and shall be applicable, unless specifically mentioned otherwise.

### **A. Brief Description of the Ash disposal system:**

- Nalco's existing Captive Power Plant is located at Angul District, in the state of Odisha. The plant is located adjacent to National highway NH-55 and near NH-23 connecting to Talcher. Angul town is located on NH-55, which is connected to Cuttack to its east.
- The system of ash disposal to mines void of Bharatpur (South) is having main objective of disposal of Fly ash generated from Captive Power Plant (CPP) situated at NALCO, Angul to the Abandoned Mines void of Bharatpur (South) of M/s MCL in lean slurry mode.
- The OBPH(Online Boosting Pump House) is located inside CPP premises. OBPH consists of Pump House & MCC room along with installations like, Pumps, motors, valves electrical panels, PLC,etc.
- IPH(Intermediate Pump House) is located at Mahendrapur area which is at a approx. distance of 11.00 KM from CPP Boundary. IPH consists of Pump House, MCC room, Chemical house, Clarifier System, seal water filter pond, spillage ash collection reservoir, ash water sumps, ash slurry sumps, seal water sump, etc along with installations like, pumps, Motors, valves, electrical installations, chemical dosing system, etc.
- The ash slurry pumped from IPH is finally disposed at different locations on the periphery of Bharatpur abandoned coal mine which is located at an approx. distance of 6.0 KM from IPH area. 450 NB slurry pipeline is routed around the mines void.
- Inside mines area, there is arrangement of 6 Nos of return water pumps which were Pontoon mounted and total 6 Nos of flexible pipes were connected to common header of 700 NB in order to pumping back the return water from mines void. There is an earthen bund constructed up to mines top lowest contour level near pontoon arrangement, so as to use full capacity of the mines void.
- 8 Nos of 350 NB (MS/CB) pipe line is laid from CPP to IPH supported on concrete and Structural pedestals. The pipeline is routed along CPP's MGR railway track corridor consisting 5 nos of over head crossings like Bridge over E.Co railway line, Bridge over Nandira river, MGR overhead crossings near FCI L/c and Gobra, road over crossing at Gobra. There are also 4 Nos of Pipe pushings i.e at Bhaludhari sahi, Pingua, Badajorada, Karnapur and about 15 Nos of village/major road crossings along the pipeline route.
- 4 Nos of 450 NB (MS/CB) pipe lines are laid from IPH to Mines void periphery supported on concrete and Structural pedestals. The pipelines are routed along CPP's MGR railway track corridor and C-4 coal conveyor corridor consisting 2 nos of over head crossings i.e. MGR overhead crossings near DAV school & road over head crossing near CHP. There are about 4 Nos of village/major road crossings along the pipeline route.

- 700 NB return water MS pipe line (underground & overhead) is also laid from Mines void to IPH and IPH to ash water forebay inside CPP.
- CISF Barrack, Gumti & watch tower located at various locations.

**1.1 Battery limit of Ash disposal to mine void in lean slurry System:**

Sl. No.	Description of area	Battery limits for O&M
1	OBPH, CPP	PH building, MCC building, Switch yard, 350 NB supporting pedestals & thrust blocks.
2	OBPH, CPP to IPH, Bharatpur.	350 NB Pipe supporting RCC and Structural Pedestals, Thrust blocks, Overhead Civil / Structural Crossing across various road and MGR railway track, Pipe pushings at different locations across the MGR track, village road crossings, Maintenance roads and retaining walls, Bridges over E.Co. Railway crossing, Bridges over Nandira river, etc.
3	Intermediate Pump House area (IPH) (Located at approx. 11.00 Km from CPP, NALCO)	Pump house, MCC building, Chemical House, Ash slurry sumps, Ash water sumps, Seal water tank, Clariflocculator, Stilling Chamber, Parshall flume, Flash Mixture, Sludge sump, Sludge pump house, Seal water filter ponds (I & II) & it's pumping arrangements, 350NB Pedestals, 450 NB Pedestals, Thrust Blocks, Switch Yard, Firefighting system, Overflow water ponds, Roads & drains, CISF Barrack, Gumti, etc
4	IPH, Bharatpur to Mine void (For a length of approx. 6.0 Km from IPH)	450 NB Pipe supporting RCC/Structural pedestals, Thrust blocks, Overhead crossing across MGR, Overhead crossing at CHP square, Road crossings etc.
5	Inside Mines area / Barge area (Located at linear distance of approx. 6.0 Km from IPH / 17.0 km from CPP, NALCO)	Earthen Bund, PMCC building, Decanted water pumping arrangement system including all floating structures/ pontoons/ equipment , Cable racks and Rain water drainage arrangement and Roads etc.
6	Mine void periphery.	Pipe supporting pedestals and thrust blocks for 450 NB ash slurry pipelines, 450 NB ash slurry discharge laterals. Ash slurry deposition arrangement inside mines.
7	CISF Barrack & Gumti	Located at IPH Bharatpur at a linear distance of approx. 11.00 Km from CPP, NALCO.
8	Security watch towers	02 Nos located at IPH Bharatpur & inside Mines area at a linear distance of approx. 11.00 Km & 17 Km from CPP, NALCO respectively.

**1.2 SCOPE OF MAINTENANCE:**

- 1.2.1 The scope of work includes round the clock 24 X 7, execution of civil maintenance work on need base / preventive / maintenance activities of entire Civil / Structural installations mentioned at all locations above at 1.1 in the system "ash disposal to mine void in lean slurry mode" with improvements / Modifications / Relocations for achieving smooth, efficient and reliable operation of the ash disposal system and return water system.
- 1.2.2 Repair & maintenance of civil works includes works like earth work, construction / modification / repair of RCC / Structural pedestals /thrust blocks, maintenance of WBM

roads, maintenance of retaining walls, maintenance activity of Nandira Bridge related to pier protection & allied works, repairing of concrete, brick work, structural steel works, painting of structures, repairing of leakage /seepage from roof , dismantling works, cleaning of grass /tree, drain & pit cleaning, attending slurry leakage points along the pipeline corridor and also at other locations on need base & transporting the slushy ash/mud/etc to ash pond/mines area/etc as per direction of MIC, painting works, maintenance related to plumbing & sanitary works of various buildings, maintenance of various types of doors, windows, replacement of sand in seal water pond as per schedule / requirement, cleaning of Clarifier system & Sludge holding tank at IPH as per standard methodology, monitoring & checking of ash disposal system at mines void for its uniform deposition, maintenance of earthen bund and all type of civil works which are not mentioned but essential for smooth operation & maintenance of the entire system are included in the scope of the agency. Any new construction works if required during pendency of the contract, needs to be executed as per the direction of MIC.

- 1.2.3 Scope includes Civil maintenance works of OBPH area, IPH area, Mines Periphery, Inside mines area, CISF Barrack, Gumti & watch tower.
- 1.2.4 Maintenance of Road & Retaining wall from OBPH to Mines area.
- 1.2.5 Maintenance ash pipeline corridor and allied works.
- 1.2.6 Civil maintenance works of Clarifier system and other allied structures.
- 1.2.7 Civil maintenance works around mines area and inside mines area.
- 1.2.8 Inspection and cleaning of sumps/valve pits/drains.
- 1.2.9 Deployment of Hydraulic excavator, as and when required during maintenance work.
- 1.2.10 Complete Housekeeping of the entire ash disposal System. This includes area cleaning, cleaning of spillage ash, road cleaning, building roof cleaning, roof drains cleaning, floor cleaning, trenches & drains cleaning and toilets cleaning. Cleaning of all water tanks / sumps, ash sumps on requirement basis.
- 1.2.11 Monitoring healthiness of all the RCC / Structural Pipe supporting pedestals at regular intervals and attend the same on urgent basis where found cracked / damaged.
- 1.2.12 Regular as well as need base painting of all the Structural installations in this system as per direction of MIC.
- 1.2.13 Removal of spillage ash accumulated due to leakage from the coupling / pipe failure / pipe puncturing /etc, from the ash leakage area along the pipeline corridor from OBPH, CPP to Mines area, inside IPH, from overflow ponds, etc
- 1.2.14 Collection and disposal of spilled over ash during leakage from pipelines to destination locations like existing NALCO Ash pond / Mine void of Bharatpur South / other locations/etc as per instruction of MIC, needs to be carried out on urgent/priority basis. The agency needs to pre-mobilize accordingly with sufficient resources of machinery, material and man power to attend those leakage point areas. While transporting the ash from the leakage areas to destination points, proper care should be taken to avoid any type of ash spillage along the routes. Any IR issue if arises during ash transportation from leakage areas shall be taken care by the agency without any extra cost to NALCO.
- 1.2.15 Removal of sludge / mud / malba /etc from various pits like valve chamber / sludge / pits / junction pits / etc needs to be carried out on need base and also in regular intervals.
- 1.2.16 Quarterly / need base cleaning of drains and trenches.
- 1.2.17 The entire length of ash pipes line corridor are to be kept in good condition, free from vegetation growth by cleaning and grass cutting periodically. The generated ash/ debris shall be suitably disposed of / as directed by MIC. Any accumulation of the ash while clearing choking / jamming in the system, and due to cleaning of trenches, pits, sumps, ash

control room and ash slurry disposal pump house will have to be removed by the contractor and to be dumped on specified area mentioned by NALCO.

- 1.2.18 During carrying out maintenance works out side plant, construction power & water needs to be arranged by the agency at his own cost. In case of unavailability of power, the agency needs to make provision of DG sets required for carrying out maintenance activities.
- 1.2.19 Maintenance of any additional equipment / structure / installations added in future (as a part of ash disposal system) shall be in the scope of the agency with the same rate.
- 1.2.20 Any miscellaneous maintenance work /activity not mentioned in scope but is essential for smooth, safe and efficient operation of any equipment / ash disposal system/ return water system shall be deemed in the scope of agency.
- 1.2.21 The cost of all labor, all materials, all types of tools & equipment for various types of maintenance jobs, mobilizing and demobilizing equipment, fixtures, transport charges, testing, handling of materials, power and water supply arrangement outside OBPH, IPH and Barge area are all inclusive as a part of scope of work.
- 1.2.22 To maintain the ash disposal and decanted water recovery system, carrying out any repair required pertaining to regular, preventive and breakdown maintenance is in the scope of the Contractor.
- 1.2.23 Regular maintenance and/or modification and/or rectification due to accidents like fire, pipe failure etc. for all underground pipelines and cables is in contractor's scope. Any machinery and/or tools i.e. JCB, excavator and/or drill machine required for repairing the underground items, to be supplied by the contractor.
- 1.2.24 De-silting of the spillage ash collection pond inside IPH and disposal the same in mine void shall be carried out by the agency as and when required.
- 1.2.25 Painting of plant equipment / steel structure at different locations of this system to be carried out immediately where ever rust/damage observed as per instruction of MIC.
- 1.2.26 Contractor shall provide required machinery for handling of ash and its disposal to the designated locations as per requirement.
- 1.2.27 Conditions of the structural steel overhead crossings Between OBPH to Mine void shall be investigated regularly. Any damage or abnormality observed shall immediately be repaired to avoid further damage or failure of structure.
- 1.2.28 Any type of shutdown opportunities to be properly utilized for defect rectification and preventive maintenance works.
- 1.2.29 During of cleaning of Clariflocculator, all safety precautions to be taken so as to avoid any type of accidents/mis happenings.
- 1.2.30 Provide safety tools & tackles, PPEs and following safety procedures as per NALCO's guidelines.
- 1.2.31 The Maintenance Contractor shall ensure compliance with safety and statutory requirements and assist NALCO in implementation of Quality System / OHSAS/EMS etc.
- 1.2.32 The Contractor shall keep in safe custody all damaged/replaced material for return of the same to NALCO or to be dealt with in accordance with the instructions of the Manager-in-charge

- 1.2.33 Maintenance of the Clarifier system including Stilling chamber, Parshall flume, Flash mixture, Clariflocculator, Sludge holding tank, slow sand filters arrangement system for seal water in IBPH are also included in the scope.
- 1.2.34 Continuous co-ordination with operation personal of OBPH, IBPH , Barge area for any type of emergency maintenance work / attending the leakage points on priority basis / transportation of ash / mud / unserviceable materials are to be carried out on priority basis.
- 1.2.35 The agency has to be prepared to attend any emergency maintenance work at any point of time (24 X 7) due to leakage from slurry pipe lines or by any other means, unforeseen emergency situation in the total stretch from CPP to Mines, for which resource mobilization needs to be carried out accordingly considering all seasons of the year. The rate shall include all the additional expenditure, contingencies likely to be occurred during carrying out the above emergency works.

**List of Tools & Tackles:**

All the tools, tackles & plants required for safe execution of this contract have to be provided by the contractor.

1. Leveling instrument
2. Measuring tape
3. Belcha
4. Phowra
5. Grass cutting tools and machineries.
6. Steel pan
7. Steel bucket.
8. De-watering pump
9. Measuring box
10. Surveying instrument like Theodolite, staff, etc.
11. Any other tools required during carrying out maintenance works as per scope of the contract needs to be supplied by the agency.

**List of Machineries:**

All the required machineries required during carrying out civil maintenance activities of this contract needs to be provided by the contractor.

1. Concrete mixer.
2. Concrete vibrator (Needle type & surface type).
3. Concrete cutting machine
4. Tractor
5. Roller
6. Hydraulic excavator (JCB /PC 200)
7. Hydra
8. Any other machineries not mentioned above but required during carrying out maintenance works as per scope of the contract needs to be supplied by the agency.

ANNEXURE-B3

**SUB: R & M CONTRACT FOR CIVIL MAINTENANCE WORK FOR THE SYSTEM OF FLY ASH DISPOSAL IN LEAN SLURRY MODE FROM CPP, NALCO TO BHARATPUR (SOUTH) ABANDONED MINES VOID OF M/S MCL, INCLUDING RETURN WATER SYSTEM, CISF BARRACK, WATCH TOWERS FOR THE YEAR 2024-2026.**

SPECIAL CONDITINS OF CONTRACT

**1.0 GENERAL**

- 1.1 Unless specifically mentioned otherwise in the contract, the rate indicates complete cost including construction materials, construction power, construction water, fuel, tools, tackles, batching plant / equipment, labour, materials transport, layout, repairs, rectification, maintenance till completion of job, supervision, establishments, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the contract.
- 1.2 The bidders are advised to inspect all the areas of the “ash disposal system & return water system from CPP up to Bharatpur mines void” & its all installations, study the existing conditions of the sites and familiarise themselves with the site conditions, local working conditions before submitting their competitive bid. In no case ignorance on the above will be considered by NALCO after award of contract.
- 1.3 The agency shall maintain good liaison with local Police Stations for any law and order or unforeseen situation related assistance from them.
- 1.4 All the statutory payment as applicable from time to time shall be paid by the contractor on/before the due date as required under relevant laws/act.
- 1.5 All equipment required for carrying out the maintenance activity effectively in all seasons as per the BOQ and scope of work, in day-night (24 X 7) as per the system requirement shall be arranged by contractor and the rate offered shall be considered inclusive of these items.

**2.0 SCHEDULE OF RATES**

- 2.1 All expenses towards mobilization at site including bringing in equipment, work force, materials and demobilization, house keeping the site etc. shall be deemed to be included in the rates quoted and no separate payments on account of such expenses shall be entertained.
- 2.2 The prices / rates quoted by the bidder shall remain firm till issue of final completion certificate.
- 2.3 The schedule of rates shall be deemed to include and cover the cost of royalties / statutory fees for use of minor minerals like earth, sand, moorum, coarse aggregate, boulder, etc. used during the maintenance work.
- 2.4 NALCO reserves their right to execute any additional works/ extra works, during the execution of maintenance work through the agency, even though such works are incidental and necessary during maintenance work and rate/s for the same is/are not appearing in the BOQ of the contract. In the event of such decisions taken by Nalco, contractor is required to extend necessary cooperation, and act as per the instruction of Manager-in-Charge. The rates for such additional / altered / substituted/ extra work shall be worked out as per the provision under the clause no. 60 of General Condition of Contract (GCC).

**3.0 Free issue materials:** No FIM will be provided by NALCO. All materials are included in the scope of agency.

**4.0 Execution:**

- The agency is advised to deploy qualified personnel at his own cost to carry out maintenance activities.
  - All the construction materials & machineries brought to site by the agency shall be stacked / placed properly, so that movement of vehicles, equipments of other agency working in the same site shall not be obstructed and the work shall not be affected.
  - The maintenance work needs to be carried out with close coordination in line with the requirement of Mechanical / Electrical / C&I work during preventive maintenance / need base maintenance / regular maintenance / periodic maintenance, etc.
  - Agency has to arrange construction water & power at their own cost all along the contract period.
  - To carryout maintenance activity in rainy season, the agency has to pre mobilize his resources i.e. man power, machinery and material, so that maintenance activity in rainy season can also be carried out smoothly in line with the maintenance requirement.
  - Required safety measures as per the safety guidelines of NALCO needs to be followed for persons working in slushy area, in different heights, during handling of chemicals, working inside and around mines area, etc.
5. The components of Wages which are paid annually (Leave Wages & Bonus) or at the end of the Contract (Retrenchment Benefit & Gratuity) as applicable, is to be retained from the monthly RA Bills of the Contractor based on recommendation/ certification of HRD in respective HR Clearance as these components are not paid on monthly basis. The amount so retained will be released to the Contractor based on recommendation/ certification of HRD on production of documentary evidence against payment of these Wages related components to the Bank accounts of the Workers.
6. The Contractor shall have to pay Bonus/ Ex- gratia to all his Workmen as per the provisions of the Payment of Bonus Act, 1965 before "Durga Puja "every year or at the time of full and final settlement, if the Contract is completed before "Durga Puja".

**ANNEXURE-B4**

**SUB: R & M CONTRACT FOR CIVIL MAINTENANCE WORK FOR THE SYSTEM OF FLY ASH DISPOSAL IN LEAN SLURRY MODE FROM CPP, NALCO TO BHARATPUR (SOUTH) ABANDONED MINES VOID OF M/S MCL, INCLUDING RETURN WATER SYSTEM, CISF BARRACK, WATCH TOWERS FOR THE YEAR 2024-2026.**

**QUANTITY & RATE SCHEDULE**

**Online Tender Reference copy of Percentage BoQ to be filled up by the bidder**

**(Enclosed separately with this Tender)**

**(Page 1 to 37)**

**NOTES TO ONLINE PERCENTAGE BOQ**

I	<b>Total value of contract shall be as per the quoted % of the declared Estimate of the accepted L-1 bidder or The Estimate whichever is less.</b>
II	The contractor shall be fully & solely responsible to the statutory authorities for compliance of all the provisions of GST Rules and other statutory provisions applicable to this work as a service provider.
III	GST wherever applicable shall be paid extra, as applicable under existing GST Rules.
IV	Total unit rate as stated in column-6 of Annexure-B4 will be considered.
V	<b>Bidders are required to quote on % (Percentage) basis, either Plus (+) or Minus (-) of the total declared estimate in figure &amp; in words, in the Online Percentage BOQ format on online mode only.</b>

**Minimum Wages of Contract Labours**  
**W.E.F. 01/Apr/24**

SL NO	CATEGORY	MINIMUM RATES OF WAGES PAYABLE INCLUSIVE OF WAGES FOR WEEKLY OFF, VDA & CANTEEN SUBSIDY			
		MINIMUM WAGE RATES (INCLUSIVE OF WAGES FOR WEEKLY OFF & VDA) IN Rs. .	ADDITIONAL ELEMENT IN Rs.	CANTEEN SUBSIDY IN Rs	TOTAL IN Rs
1	UNSKILLED WORKER	522.00	44.00	25.00	591.00
2	SEMI SKILLED WORKER	651.00	44.00	25.00	720.00
3	SKILLED WORKER	778.00	44.00	25.00	847.00
4	HIGHLY SKILLED WORKER	906.00	44.00	25.00	975.00

**ADDITIONAL PPE/SAFETY REQUIRMENT SPECIFIC FOR THE JOB OTHER THAN PPE MATRIX AND SAFETY REQUIRMENT SPECIFIED at Page 31,32,33**

WRITE LIST OF PPEs HERE

**Declaration by the Bidder (Contractor)**

I do hereby agree to provide the ISI/CE marked PPEs as required to ensure safe working conditions in consultation with NALCO's Safety Dept. to the workers to be engaged by me while working inside the plant. I also agree to follow the "Safety Code for Contractors" issued by Safety dept, CPP, NALCO.

(Signature of bidder)

# PART – C

Formats for contract execution

**ANNEXURE-C 1**

**FORWARDING LETTER AND UNDERTAKING**

From: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

To  
Tender Inviting Authority  
National Aluminium Company Ltd.

Sub: **Letter of Undertaking.**

1. Having carefully examined all the Tender Documents under reference no. \_\_\_\_\_, ***Date:*** \_\_\_\_\_ we offer to complete the works in conformity with all the terms and conditions as detailed in the Tender Documents.
2. We here by confirm that we have downloaded the complete set of tender documents along with the set of enclosures hosted in [www.eprocure.gov.in](http://www.eprocure.gov.in) website. We confirm that the bid document has not been edited or modified by us. In case, it is observed by NALCO that the bid document has been edited or modified, we agree for the rejection of the bid by NALCO.
3. We undertake, if our tender is accepted, to commence the work from the effective date of contract and to carry out work as stipulated in the contract
4. We have submitted the Earnest Money Deposit (EMD) amount through DD/BC/PO/BG as instructed by you.
5. We agree to abide by this Tender initially for a period as mentioned at point -7 of F-02 form as validity of offer from the date of opening of Tender and it shall remain binding on us and may be accepted at any time before the expiry of that period
6. **Further we agree to the Pre-Contract Integrity Pact which is part of this tender and has signed the Pre Contract Integrity Pact as at Annexure-C21 duly filled up for further necessary action at your end.**
7. Should this Tender be accepted, we hereby agree to abide by and fulfill all Terms and Conditions of Tender Document as accepted by us and in default thereof, to forfeit and pay to NALCO such sums of money as stipulated in conditions contained in Tender Documents. We understand that NALCO is not bound to accept the lowest or any Tenders received and NALCO reserves the right to reject any or all tender without any liability.
8. This Tender together with written "Acceptance" thereof, shall constitute a binding CONTRACT between NALCO and us, till a formal contract is executed.

Date \_\_\_\_\_ day of \_\_\_\_\_

Signature \_\_\_\_\_

**(NAME IN BLOCK LETTERS)**

(To be signed by authorized person.)

Fax: \_\_\_\_\_, Mob: \_\_\_\_\_

Email: \_\_\_\_\_

(Seal of the Company)

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**ANNEXURE-C2**

**MANDATORY INFORMATION OF THE BIDDER**

<b>All Fields are Mandatory. Enclose Certificate/documentary evidence for fields marked with *.</b>	
Authorized Signatory * .....	
Legal Name of Firm as per PAN * .....	
Trade Name of Firm as per GST * .....	
Postal address of the firm: .....	
House No. / Plot No : .....	
Street Name : .....	
City : ..... District : .....	
State: ..... Pin Code : ..... Country: .....	
<b>* CPP Portal Login ID:</b> .....	
Phone No. : .....	Mobile No. : .....
Valid Email ID. : .....	
Gender : Male / Female / Other	.....
Category : General / SC / ST	.....
Type * Micro / Small/ Medium / Ancillary	Micro/Small/Medium.....Ancillary...Yes/No
EPF No. : .....	ESI No. : .....
PAN No. : .....	
GSTN No : .....	
Bank Name *.....Br.Name.....Br.Place.....	
Bank A/c No (enclose cancelled cheque)*..... IFS Code.....	

Date: \_\_\_\_\_

(Signature and official seal of the Proprietor / Authorized Person)

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**ANNEXURE-C3**

**EXCEPTION / DEVIATION STATEMENT TO THE TENDER TERMS & CONDITIONS**

**In case of no deviation please write 'No Deviation' in the space below:**

Sl. No	Reference of Tender Document			Subject	Deviation / Exception
	Page No.	Clause No.	Para No.		

**Signature & Seal of bidder.**

ANNEXURE-C4

**-: DECLARATION BY THE BIDDER :-**

I \_\_\_\_\_ representing the bidder, do declare on behalf of the firm as hereunder :

\* That, I am the PROPRIETOR of the bidder's firm. I undertake to submit proof of ownership as and when demanded by NALCO.

OR

\* That I am the authorized signatory to the tender documents holding valid Power of attorney. Certified copy of the valid power of Attorney is enclosed with the offer.

**NOTE: Strike out whichever is not applicable.**

- (a) That, we do not have any FINANCIAL/PROFESSIONAL stake in any of the other bidders participating in this tender;
- (b) That, this firm has not been blacklisted/debarred/banned in any unit of NALCO/Other PSUs / GOVT of India/ State Govts/ Quasi Govt. organizations.
- (c) That, we are not in any arbitration/legal cases with NALCO and no cases are pending in court of law.
- (d) That, the proprietor/partners/directors/ employees of the firm have never been a part of any blacklisted/debarred/banned firms or company in any unit of NALCO/Other PSUs / GOVT of India/ State Govts/ Quasi Govt. organizations.
- (e) That, we have never been prosecuted by any statutory authority
- (f) That, any change in the constitution of the firm shall be made with prior clearance from NALCO.
- (g) That, we have studied all the clauses/sub-clauses terms and conditions of the tender documents including GCC and our offer fully comply with the requirements spelt out in the tender documents.
- (h) We undertake to abide by and comply with all the safety and environmental regulations in force in NALCO during the execution of work.
- (i) We undertake to abide by and comply with all the applicable provisions of laws governing contract workers engaged by you for this work.
- (j) We undertake to receive payment through E-payment mode.
- (k) The **Annexure-19** and **Annexure-20** regarding relatives working in NALCO are filled up and enclosed.
- (l) The **Annexure-C8** regarding present commitment of the tenderer are also properly filled up and enclosed.
- (m) That we have quoted the rates in figures as well as words.
- (n) We undertake that we do not have any unauthorized structure / construction inside Nalco-nagar Township or Plant. We also undertake to remove any / all such structures, if detected by Nalco later on in compliance of GCC terms and conditions.
- (o) We declare that all supporting documents of the offer submitted are attested by a Gazetted officer / Notary public.
- (p) **I/we declare that the document down loaded by me/my company is/are not tampered in any form.**
- (q) **We under take that my workers shall use electronic Punch cards at the Plant gates at the time of entry and exit if introduced by NALCO. Failing which he shall not be allowed into the Plant.**
- (r) **That I have submitted EMD in absence of which my bid will be rejected.**

I further declare that all above statements are true. If at any time during pre-ordering/post ordering stage of the contract, it is found otherwise, action as deemed fit by NALCO including 'rejection of my offer'/'banning/blacklisting' me/my firm / my company etc. may be taken. The same will be binding on me / firm / company represented by me. I also hear by authorize and request any bank, person, firm, corporation, Govt. Officers etc. to furnish pertinent information as deemed necessary and as requested by Nalco to verify this statement or regarding my/our competency and general reputation.

Date: \_\_\_\_\_

Signature Authorized Person With seal

ANNEXURE-C5

Undertaking on Downloaded tender documents

We here by confirm that, we have downloaded the complete set of tender documents along with the set of enclosures hosted in Central Public Procurement Portal website, [www.eprocure.gov.in](http://www.eprocure.gov.in). We confirm that the bid document has not been edited or modified by us and all pages have been submitted. It is confirmed that we have quoted as per the original NIT unless otherwise specifically mentioned as deviation in the deviation sheet.

Suppression of this information in any form if detected at any stage will be disqualification and will lead to rejection of the offer or termination of the contract as the case may be.

Date: \_\_\_\_\_

Signature Authorized Person With seal

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**ANNEXURE-C6**

PQC – Technical

**Detailed Work Order and Execution Statistics**

Sl. No.	W.O no	Work description	W.O Period. (From Dt ----- To dt-----)	W.O value (In Rs.)	Final Executed Value (in Rs.)	Completion date.	Page Ref. for attachmen t.
1	2	3	4	5	6	7	8

Signature of the Bidder

ANNEXURE-C7

**(This is an Optional / Indicative Format)****PQC – Financial**  
**Details of Turnover / Net worth****NAME OF TENDERER****(A) - TURNOVER (Profit & Loss Account)**

Sl No	Financial Year	Turnover in Rs Lakh	Document placed at Page No & File No
1	Last year		
2	1st Previous Year to Last Year		
3	2nd Previous Year to Last Year		

**(B) - NETWORTH (Balance sheet)**

Sl No	Financial Year	Mention whether Networkth is Positive/Negative	Document placed at Page No & File No
1	Last year	Positive/Negative	

**Signature & Seal of bidder.****Countersigned by Chartered Accountant / Statutory Auditor.**

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

ANNEXURE-C8

**DETAILS OF PRESENT COMMITMENTS OF THE TENDERER**

**AS ON ...../...../..... (\*)**  
(Last day of Month Previous to Bid Due Date)

**Name of Work: (\*)** .....

**Tender Reference No.:(\*)** .....

I/We \_\_\_\_\_, age \_\_\_\_\_ years, son of \_\_\_\_\_ do hereby solemnly affirm and declare as follows for on behalf of Firm \_\_\_\_\_.

Sl. No.	Full postal Address of client & Name of Officer-in-Charge with telex / Telephone No.	Description of work	Value of contract	Date of commencement of work	Scheduled Completion period	Completion in % as on date	Expected date of completion	Amount of Balance work during the period of Next 12 Months from the date of declaration	Remarks
1	2	3	4	5	6	7	8	9	10
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

It is certified that the above particulars furnished are true and correct. If any information given is found to be misleading at a later date NALCO will have the authority to take necessary action as per provision of the contract and as per laid down procedure of the Company.

Signature of the bidder \_\_\_\_\_

Name of the Bidder \_\_\_\_\_

Company Seal

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 84 of 127

**ANNEXURE-C9**

**TAX INVOICE**

[See Rule 46 of the Central Goods and Services Tax Rules, 2017]

**Details of Supplier**

Name  
Address  
GSTIN/Unique ID

ORIGINAL FOR RECIPIENT

DUPLICATE FOR SUPPLIER OF SERVICE  
Date :  
Inv Serial No. :  
Service PO Ref. :

**Details of Recipient (Billed to)**

Name  
Address  
State  
State Code  
GSTIN/Unique ID  
Place of supply:  
Name of State:

**Details of Consignee (Shipped to)**

Name  
Address of delivery  
State  
State Code  
GSTIN/Unique ID

Sr. No.	Description of Goods / Services	HSN Code / SAC	Qty.	Unit	Rate (per item)	Total	Discount	Taxable Value	CGST		SGST /UTGST		IGST		CESS	
									Rate	Amt	Rate	Amt	Rate	Amt	Rate	Amt
	Freight															
	Insurance															
	Packing and Forwarding Charges															
	Total Invoice Value (In figure)															
	Total Invoice Value (In Words)															
	Amount of Tax subject to Reverse Charges															

E.&.O.E

Electronic Reference Number

Name of the Signatory  
Designation / Status

*Signature*

**Note:**

1. Payment of GST is subject to reflection of the party's invoice in GSTR 2A/Anx-2 (GST new return) of NALCO.
2. In case of Supply of service, the tax invoice shall be as follows: "ORIGINAL FOR RECIPIENT", "DUPLICATE FOR SUPPLIER".
3. The tax invoice can be signed with digital signature also.
4. In case of unregistered recipient where the value of the taxable supply is less than INR 50,000/-, name and address of the recipient and the address of delivery, along with the name of the State and its code shall be recorded in the invoice if he requests for the same.
5. Where an invoice is required to be issued under section 31(3)(f) of the CGST Act, a registered person may issue a consolidated invoice at the end of a month for supplies covered under section 9(4), the aggregate value of such supplies exceeds rupees five thousand in a day from any or all the suppliers.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**ANNEXURE-C10**

**Bank MANDATE FORM for e-payment**  
**(To be submitted in Duplicate)**

To  
National Aluminium Company Limited  
Nalco Nagar – 759145, Dist.-Angul, Orissa.

Dear Sir,  
Sub. :- Authorization for release of payment due from NALCO.....through e-mode facilities of RTGS/NEFT/Internet Banking.

Refer Order No..... Date.....

And/ or Tender/ Enquiry/ Letter No..... Date.....

(Please fill in the information in CAPITAL LETTER PLEASE tick wherever it is applicable)

1. Name of the party : .....

2. Address of the party : .....

.....  
: City: ..... Pin Code .....

E-mail ID : .....

Permanent Account Number. : .....

3. Particulars of Bank :

Bank Name				Branch name			
Branch Place				Branch City			
Pin Code				Branch Code			
MICR. No.							
Account type	Savings:	Current:	Cash Credit:				
Account No.(as appearing in the Cheque Book).							
( 9 digits code number appearing on the MICR band of the cheque supplied by the Bank. Please attach Xerox copy of a cheque of your bank for ensuring accuracy of the bank name, branch name & code and Account number )							
IFSC Code.							

4. Date from which the mandate should be effective:

I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold National Aluminium Company Limited responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through Internet / RTGS / NEFT.

Place:

Date:

**Signature of the Party / Authorized Signatory**

.....

Certified that particulars furnished above are correct as per our record.

Bank's Stamp:

Date:

**(Signature of the Authorized Official from the Banks)**

**N.B.:** 1) RTGS / NEFT charges if any, is to borne by the party.

2) One cancelled cheque of the concerned bank with signature & stamp of the bidder is to be attached with the bank mandate form.

**ANNEXURE-C11**

**INDEMINTY BOND AGAINST FREE ISSUE MATERIAL TO SELLER/CONTRACTORS**

WHEREAS National Aluminium Company Limited (here in after referred to as “THE OWNER”) which expression shall unless repugnant to the context includes their legal representatives, successors and assigns having their registered office at “NALCO BHAWAN, P/1,NAYAPALLI, BHUBANESWAR-13, Orissa” has entered into a Contract with M/s \_\_\_\_\_ placed a Telex of intent \_\_\_\_\_ (here in after referred to as the “Contractor their legal representatives, successors and assigns”)

On the terms and conditions as set out interalia, in the owner’s Contract No. \_\_\_\_\_/WO/\_\_\_\_\_, Date:\_\_\_\_\_and various documents forming part thereof herein after collectively referred to as the “Said Contract” which expression shall include all amendments, modification and/or verification thereto.

AND WHEREAS:

- i) The owner subject to availability has agreed to supply to the contractor raw materials for the purpose of execution of the said contract by the “Contractor” (the raw materials to be supplied by the owner to the contractor herein after for the sake of brevity referred to as the “said materials”) and pending execution by the “Contractor” of the said contract incorporating the said materials. The said materials shall be under the custody and charge of the contractor and shall be kept, stored, altered, worked upon and/or fabricated at the sole risk and expense of the contract.
- ii) As a pre-condition to the supply of the said materials by the owner to the “contractor”, the owner has required the contractor to furnish to the owner an Indemnity Bond in the manner and upon terms and conditions herein after indicated.

NOW, THEREOF, in consideration of the promises aforesaid the contractor hereby irrevocably and unconditionally undertakes to indemnify and kept indemnified the owner from and against all loss, damage and destruction (inclusive but not limited to any or all lose of damage or destruction to or of the said materials or any item or part thereof by theft, pilferage, fire flood, storm, tempest, lightning, explosion, storage, chemical or physical action or reaction, bending, warping, exposure, resting, faulty, workmanship, faulty fabrication or faulty method or technique of fabrication, strike, riot, civil commotion or other act or omission or commission whatsoever within or beyond the control of the contractor, misuse an misappropriation (inclusive but not limited to misuse or misappropriation by the contractor and the contractor’s servants and/or agents).

Whatsoever to or of in the said , materials or any part of item thereof from the date that the same or relative part of the item thereof or complete fabricated work(s) incorporating the said materials and undertake to pay to the owner forthwith on demand in writing with protest or demure the value AS SPECIFIED BY THE OWNER of the said materials or item or part thereof ,lost damage, destroyed, misused and /or misappropriated, as the case may be, TOGETHER WITH the owner’s cost and expense (inclusive of but not limited to handling, transportation, cartage, freight, packing and inspection cost/expenses) upto and aggregate limited or \_\_\_\_\_ (Rupees \_\_\_\_\_ only ) or ay penal recovery in respect of the same in the terms of the contract and the contractor hereby agree with the owner that:-

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 87 of 127

- i) The indemnity/undertaking shall be continuing Indemnity/undertaking shall remain valid and irrevocable for all claims, of the owner arising hereunder up to and until the midnight of \_\_\_\_\_ HOWEVER, if the contract for which this indemnity/undertaking is given is not completed by this date, the \*contractor hereby agree to extend the Indemnity/undertaking till time as required to fulfill the contract.
- ii) This Indemnity/undertaking shall not be determined or change of constitution or insolvency of the \* contractor but shall be in all respects and for all purpose be binding and operative until payment of all money payable the owner in terms thereof.
- iii) The mere statement of allegation made by or on behalf of the owner in any notice or demand or other writing addressed to the \* contractor as to any of the said materials or item or part thereof having been lost, damaged, destroyed, misused, or misappropriate while in the custody of the contractor and/or prior to the completion of the completed fabricated work(s) and delivery to job site thereof incorporating the said materials shall be conclusive of the fact of the said materials or item or part thereof having being supplied to the contractor and/or the loss, damaged, destruction, misused, or misappropriate thereof as the case may be, while in the custody of the contractor and/or prior to the completion of the completed fabricated work(s) and delivery to job site thereof incorporating the said materials without necessary of the part of the owner to produce any documentary proof or other evidence whatsoever in contract in support of this.
- iv) The amount sated in any notice of the demand addressed by the owner to the contractor as to the value of such said materials lost, damaged destroyed, misused or misappropriated, inclusive relative to the cost and expenses incurred by the owner in connection therewith shall be conclusive of the value of such said materials and the said cost and expense as also of the amount liable to be paid to be paid to the owner.

This Indemnity Bond is supplemental and not in super session of the contractual conditions.

The undersigned as full power to execute this Indemnity Bond on behalf of the contractor under the power delegated by the Board of directors of \_\_\_\_\_ vide its Board resolution dated \_\_\_\_\_ copy of which placed at Annexure-“A”

SIGNED BY COMPETENT AUTHORITY

Place:- SMELTER / CPP, NALCO, ANGUL

DATE:-

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**ANNEXURE-C12**

**PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT**

(To be executed on non-judicial stamped paper of appropriate value)

B. G. No. \_\_\_\_\_

Date: \_\_\_\_\_

1. WHEREAS M/s National Aluminium Company Limited (A Government of India Enterprise), having its Unit/Office at .....(UNIT/OFFICE ADDRESS ISSUING THE TENDER) (hereinafter called “The Company” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has issued Tender paper vide its Tender No..... dt.....for .....(hereinafter called “the said tender”) to M/s. ....(hereinafter called the said Tenderer(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns and as per terms and conditions of the said tender, the tenderer shall submit a Bank Guarantee for ` .....(Rupees .....only) towards earnest money in lieu of cash.
2. WE .....Bank having its branch office at .....do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the company which is final and binding, the amount claimed is due because of any withdrawal of the tender or any material alteration to the tender after the opening of the tender by way of any loss or damage caused to or would be caused or suffered by the Company by reason of any breach by the said tenderers(s) of any of the terms and conditions contained in the said tender or failure to accept the Letter of Intent Agreement or that the amount covered under this Guarantee is forfeited. Any such demand made on the Bank by the Company shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding `..... (Rupees.....only).
3. We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the tenderer(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the Company proceeding against the tenderer.
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said tenderer(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.
5. WE .....Bank Ltd. further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the finalization of the said tender and that it shall continue to be enforceable till the said tender is finally decided and order placed on the successful tenderer(s) and or till all the dues of the company under or by virtue of the said tender have been fully paid and its claims satisfied or discharged or till a duly authorised officer of the company certifies that the terms and conditions of the said tender have been fully and properly carried out by the said tenderer(s) and accordingly discharges the guarantee.
6. That the Company will have full liberty without reference to us and without affecting this guarantee to postpone for any time or from time to time. The exercise of any of the power of the Company under the tender.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 89 of 127

7. Notwithstanding anything contained herein before, our liability shall not exceed Rs..... (Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time on the request of Tenderer(s).
9. We \_\_\_\_\_Bank further agree that this Guarantee shall be invocable at our place of business at \_\_\_\_\_(Bank Name), \_\_\_\_\_(Branch Name and address of the branch), Bhubaneswar , Odisha-751\_\_\_\_\_.

Date.....

Corporate Seal of the Bank

.....Bank

By its constitutional Attorney

Signature of duly Authorised person

On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----

Address for Correspondence: -----

Telephone & Fax No.

E-mail:

Note: 1 : BGs to be furnished from any of the approved banks of NALCO.

Note 2: BG confirmation must be sent to our Banker through SFMS with the followings details :

Beneficiary : NATIONAL ALUMINIUM CO LTD CPP

Banker : State Bank of India

Branch : Kandsar(Nalco Nagar)

A/C No : 00000010657908589

IFSC Code : SBIN0008279

Address of Bank : AT/P.O – Kandsar,P.S - Nalco Nagar,Dist – Angul ,ODISHA,,Pin - 759145

**TENDER No.:**  
**CPP/T&C/827/MC-5429/NIT/2024/301**

**ANNEXURE-C13**

**CONTRACT CUM PERFORMANCE BANK GUARANTEE BY SELLER/ CONTRACTOR.**

(To be executed on non-judicial stamped paper of appropriate value)

B. G. No.....

Date.....

1. WHEREAS National Aluminium Company Limited (A Government of India Enterprise) having its Unit/Office at ..... (UNIT/OFFICE ADDRESS WHERE THE WORK IS EXECUTED) (hereinafter referred to as “The Company” which expressions shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has entered into a contract with M/s. .... has placed a purchase order on M/s.....( hereinafter referred to as “Contractor(s)/Seller(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) for .....(work/assignment description) on the terms and conditions as set out inter alia, in the Company’s contract No./ P.O. No. ....dated .....and various documents forming part thereof hereinafter referred to as the “said contract” which expression include all amendments, modifications and/ or variations thereto and whereas the Contractor(s)/Seller(s) has agreed for due execution of the entire contract and guarantees its performance including any parts executed through any other agencies/subcontractors.

AND WHEREAS one of the conditions of the “said contract” is that “contractor(s)/seller(s) shall furnish to the Company a Bank Guarantee from a bank for ....% (.....percent) of the total value of the “said contract” against due and faithful performance of the “said contract” including defect liability obligations and the performance guarantee obligations of the contractor(s)/seller(s) for execution/ supplies made under the “said contract.”

2. WE .....Bank, having its branch office at ....., IFS Code..... and Branch Mail ID.....do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Company stating that in the opinion of the Company, which is final & binding, the amount claimed is due by reason of default made by the Contractor(s)/Seller(s) in performing any of the terms & conditions of the said Contract including defect liability obligations, in fulfilling the performance guarantee obligation or loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractor(s)/Seller(s) of any of the terms & conditions of the contract. Any such demand made on the Bank by the Company shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However our liability under this guarantee shall be restricted to ` ..... (Rupees.....only).
3. We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the contractor(s)/Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the Company proceeding against the Contractor(s)/Seller(s).
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said Contractor(s)/Seller(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/Order(s) are fulfilled.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

5. We .....Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract(s)/Order(s) and that it shall continue to be enforceable till all the dues of the company under or by virtue of the said Contract(s)/Order(s) have been fully paid and its claims satisfied or discharged or till a duly authorised officer of the Company certifies that the terms and conditions of the said Contract(s)/Order(s) have been fully and properly carried out by the said contractor(s) and accordingly discharges the guarantee.
6. We .....Bank further agree with the Company that the company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract(s)/Order(s) or to extend the time of performance by the said Contractor(s)/Seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s)/Seller(s) and to forbear or enforce any of the terms and conditions relating to the said Contract(s)/Order(s) and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s)/Seller(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s)/Seller(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs.....(Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time at the request of Contractor(s)/Sellers(s).
9. We .....Bank further agree that this Guarantee shall be invocable at Angul / Bhubaneswar, ..... (Bank), Branch office at....., IFS Code..... with Address....., PIN 75....., having Branch Mail Id.....

Date.....

Corporate Seal of the Bank

.....Bank

By its constitutional Attorney

Signature of duly Authorised person

On behalf of the Bank With seal & signature code

**Details of Persons Issuing the BG:**

Name-----

Address for Correspondence: -----

Telephone & Fax No.

E-mail:

Note: 1 : BGs to be furnished from any of the approved banks of NALCO.

Note: 2 : BG confirmation must be sent to our Banker through SFMS with the followings details :

Beneficiary : NATIONAL ALUMINIUM CO LTD.

Banker : State Bank of India

Branch : Kandsar(Nalco Nagar)

A/C No : 00000010657908589(CPP)/ 00000010657908114(Smelter)

IFSC Code : SBIN0008279

Address of Bank : AT/P.O – Kandsar,P.S - Nalco Nagar, Dist – Angul ,ODISHA,, Pin - 759145

Mail id : sbi.08279@sbi.co.in

**TENDER No.:**  
**CPP/T&C/827/MC-5429/NIT/2024/301**

**ANNEXURE-C14**

**BANK GUARANTEE FOR PERFORMANCE SECURITY**  
 (To be executed on non-judicial stamped paper of appropriate value)

B. G. No. \_\_\_\_\_ Date: \_\_\_\_\_

1. In consideration of National Aluminium Company Limited (A Government of India Enterprise), having its UNIT/Office at \_\_\_\_\_ (UNIT/OFFICE ADDRESS WHERE THE WORK IS EXECUTED) (hereinafter called “ The Company” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) having agreed to exempt M/s. ....(Hereinafter called “the said Contractor(s)/ Seller(s)”), which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) from the demand under the terms and conditions of Contract(s)/ Order(s) No. .... dt. ....for ..... (work/assignment description) of Performance Security for the due fulfillment by the said contractor(s)/seller(s) of the terms and conditions contained in the said Contract(s)/Order(s), on production of Bank Guarantee for ` ..... (Rupees ..... only).
2. WE .....Bank, having its branch office at ....., IFS Code..... and Branch Mail ID.....do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the company which is final and binding, the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractor(s)/seller(s) of any of the terms and conditions contained in the said contract(s)/orders(s) or by reasons of the said Contractor(s)/ Seller(s) failure to perform the said Contract(s)/ Order(s) including defect liability obligations or that the amount covered under this guarantee is forfeited. Any such demand made on the Bank by the Company shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding `..... (Rupees.....only).
3. We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the contractor(s)/Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the Company proceeding against the Contractor(s)/Seller(s).
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said Contractor(s)/Seller(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.
5. We .....Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract(s)/ Order(s) and that it shall continue to be enforceable till all the dues of the company under or by virtue of the said Contract(s)/Order(s) have been fully paid and its claims satisfied or discharged or till a duly Authorised officer of the company certifies that the terms and conditions of the said Contract(s)/Order(s) have been fully and properly carried out by the said contractor(s) and accordingly discharges the guarantee.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

6. We .....Bank further agree with the Company that the company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract(s)/Order(s) or to extend the time of performance by the said Contractor(s)/Seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s)/Seller(s) and to forbear or enforce any of the terms and conditions relating to the said Contract(s)/Order(s) and we shall not be relieved from our liability by reason of any such variations, or extension being granted to the said Contractor (s)/ Seller(s) or for any forbearance, act or omissions on the part of the Company or any indulgence by the Company to the said Contractor(s)/Seller(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs.....(Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time at the request of Contractor(s)/ Sellers(s).
9. We .....Bank further agree that this Guarantee shall be invocable at Angul / Bhubaneswar, ..... (Bank), Branch office at....., IFS Code..... with Address....., PIN 75....., having Branch Mail Id.....

Date.....

Corporate Seal of the Bank

.....Bank

By its constitutional Attorney

Signature of duly Authorised person

On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----

Address for Correspondence: -----

Telephone & Fax No.

E-mail:

Note: 1 : BGs to be furnished from any of the approved banks of NALCO.

Note:2 : BG confirmation must be sent to our Banker through SFMS with the followings details :

Beneficiary : NATIONAL ALUMINIUM CO LTD.

Banker : State Bank of India

Branch : Kandsar(Nalco Nagar)

A/C No : 00000010657908589(CPP)/ 00000010657908114(Smelter)

IFSC Code : SBIN0008279

Address of Bank : AT/P.O – Kandsar, P.S - Nalco Nagar, Dist – Angul ,ODISHA, Pin - 759145

Mail id : sbi.08279@sbi.co.in

**ANNEXURE-C15**

**BANK GUARANTEE AGAINST FREE ISSUE OF MATERIALS / EQUIPMENTS TAKEN OUTSIDE THE PLANT**  
(To be executed on Non-judicial stamp paper or appropriate value)

GUARANTEE NO.....

DATE :.....

1. WHEREAS National Aluminium Company Limited (hereinafter referred to as "the Company") which expression shall unless repugnant to the context includes their legal representatives, successors and assigns having their registered office at NALCO BHAWAN, P/1, NAYAPALLI, BHUBANESWAR-751 061, Odisha, and their Branch Unit/office at \_\_\_\_\_(UNIT/OFFICE ADDRESS), has entered into a Contract with M/s \_\_\_\_\_ (hereinafter referred to as the Contractor which expression shall unless repugnant to the context include their legal representatives, successors and assigns for the work of \_\_\_\_\_ on the terms and conditions as set out, inter-alia, in the Company's Contract No. \_\_\_\_\_ dated: \_\_\_\_\_ and various documents forming part thereof hereinafter collectively referred to as the "said contract" which expression shall include all amendments, modifications and/or variations thereto.

AND WHEREAS one of the conditions of the said contract is that the Company has agreed to supply to the contractor raw-materials (hereinafter referred to as the "said materials") for the purpose of execution by the contractor of the said contract and pending execution by the contractor of the said contract incorporating the said materials, the said materials shall be under the custody and charge of the contractor and shall be kept, stored, altered, worked upon and/or fabricated at the sole risk and expense of the Contractor.

2. AND WHEREAS the Company has asked the contractor for adequate security for the said materials to be supplied to the contractor under the contract.

3. AND WHEREAS at the request of the contractor the Company has agreed to accept a bank guarantee from \_\_\_\_\_ with Registered Office at \_\_\_\_\_ (hereinafter referred to as "the surety").

4. NOW THIS GUARANTEE WITNESSETH that in consideration of the Company having at the request of contractor agreed to accept a Bank Guarantee of the Surety amounting to ` \_\_\_\_\_ (Rupees \_\_\_\_\_ only) in respect of the said materials against any and all loss, damage, destruction (inclusive of but not limited to any and all loss or damage or destruction to or of the said materials or any item or part thereof by theft, pilferage, fire, explosion, storage, chemical or physical action or reaction, bending, wrapping exposure, rusting, faulty workmanship, faulty methods or technique of fabrication, or other act of omission or commission whatsoever within the control of the contractor, misuse or misappropriation by the contractor and the contractor's servant and/or agents whatsoever to or of in the said materials or any part of items thereof from the date the said materials was supplied to the contractor upto and until the date of return to the Company of the said materials or relative part of item thereof or completed fabricated work(s) incorporating the said materials, the surety shall indemnify and pay, without protest or demur and without recourse to the contractor, the Company upto and not exceeding altogether a sum of ` \_\_\_\_\_ (Rupees \_\_\_\_\_ only) on demand by the Company. The decision of the Company as to any loss, damage, destruction, misuse and misappropriation under the terms and conditions of this guarantee shall be final and binding on the Surety.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

5. THIS GUARANTEE is irrevocable and will remain in force and effect upto and until the said materials have been returned to the Company as per terms of the said contract and intimation thereof being given by the Company to the surety on the aggregate amount payable hereunder has been paid by the surety to the Company, whichever is earlier.
6. Notwithstanding anything stated above, the liability of the surety under the guarantee is restricted to \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and this guarantee will remain in force upto \_\_\_\_\_ in the first instance. However, if the contractor's obligations under this guarantee is not completed or fully performed within this period, the surety hereby agrees to further extend the guarantee till such time as is required to fulfill such obligations.
7. We have the power to issue this guarantee in your favour under memorandum and Articles of Association and the undersigned has full power to do so under the power of Attorney dated \_\_\_\_\_ granted to him by the Bank.
8. Unless a claim made on us within three months from the date of expiry, i.e., \_\_\_\_\_, all our rights under the said guarantee shall be forfeited and we shall be relieved, and discharged from all liabilities there under.
9. We ..... Bank, having its branch office at ....., IFS Code..... and branch Mail ID.....lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time at the request of Consultant.
10. We .....Bank further agree that this Guarantee shall be invocable at Angul / Bhubaneswar, ..... (Bank), Branch office at....., IFS Code..... with Address....., PIN 75....., having Branch Mail Id.....

Date.....

IFSC Code:.....

Corporate Seal of the Bank

.....Bank

By its constitutional Attorney

Signature of duly Authorised person

On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----

Address for Correspondence: -----

Telephone & Fax No.

E-mail:

Note: 1 : BGs to be furnished from any of the approved banks of NALCO.

Note: 2 : BG confirmation must be sent to our Banker through SFMS with the followings details :

Beneficiary : NATIONAL ALUMINIUM CO LTD.

Banker : State Bank of India

Branch : Kandsar (Nalco Nagar)

A/C No : 00000010657908589(CPP)/ 00000010657908114(Smelter) IFSC Code : SBIN0008279

Address of Bank : AT/P.O – Kandsar, P.S - Nalco Nagar, Dist - Angul , ODISHA, Pin - 759145

Mail id : sbi.08279@sbi.co.in

**ANNEXURE-C16**

**BANK GUARANTEE FOR ADVANCE PAYMENT**

(To be executed on non-judicial stamped paper of appropriate value)

B. G. No. \_\_\_\_\_ Date: \_\_\_\_\_

1. In consideration of National Aluminium Company Limited (A Government of India Enterprise), having its Unit/Office at \_\_\_\_\_ (UNIT/OFFICE ADDRESS WHERE THE WORK IS EXECUTED) (hereinafter called “The Company” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) having agreed to make an advance payment of Rs.....(Rupees.....only) to M/s. .... (hereinafter called “the said Contractor(s)/Seller(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) from the demand, terms and conditions of Contract/Order No..... dated. .... for ..... (work/assignment description) on production of a bank guarantee equivalent to 110% of the advance payment indicated above.
2. We .....Bank having its branch office at .....do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the Company which is final and binding, the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of non-payment/adjustment of any part of the said advance or any dues to the company or any breach by the said Contractor(s)/seller(s) of any of the terms and conditions contained in the said contract(s)/orders(s) or by reasons of the Contractor(s)/Seller(s) failure to perform the said Contract(s)/Order(s). Any such demand made on the Bank by the Company shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We undertake to pay to the Company any money so demanded notwithstanding any claim dispute or disputes raised by the contractor(s)/Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependable or conditional on the Company proceeding against the Contractor(s)/Seller(s).
4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said tenderer(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/order(s) are fulfilled.
5. We .....Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract(s)/Order(s) and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Contract(s)/Order(s) have been fully paid and its claims satisfied or discharged or till a duly authorized officer of the Company certifies that the terms and conditions of the said Contract(s)/Order(s) have been fully and properly carried out by the said Contractor(s)/Seller(s) and accordingly discharges this guarantee.

6. That the Company/Company will have fully liberty without reference to us and without affecting this guarantee to postpone for any time or from time to time the exercise of any of the power of the Company under the Contract(s)/Order(s).
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs..... (Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time on the request of the Contractor(s)/Seller(s).
9. We .....Bank further agree that this Guarantee shall be invocable at Angul / Bhubaneswar, ..... (Bank), Branch office at....., IFS Code..... with Address....., PIN 75....., having Branch Mail Id.....

Date.....

.....Bank

Corporate Seal of the Bank

By its constitutional Attorney

Signature of duly Authorised person

On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----

Address for Correspondence: -----

Telephone & Fax No.

E-mail:

Note: 1 : BGs to be furnished from any of the approved banks of NALCO.

Note 2: BG confirmation must be sent to our Banker through SFMS with the followings details:

Beneficiary : NATIONAL ALUMINIUM CO LTD CPP  
 Banker : State Bank of India  
 Branch : Kandsar(Nalco Nagar)  
 A/C No : 00000010657908589  
 IFSC Code : SBIN0008279  
 Address of Bank : AT/P.O – Kandsar,P.S - Nalco Nagar,Dist – Angul ,ODISHA,,Pin - 759145

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 98 of 127

**ANNEXURE-C17**

**LIST OF STANDARDISED BANKS**

<b>I. List of PSU Banks</b>			
Sl. No.	Name of the Bank	Sl. No.	Name of the Bank
1.	Allahabad Bank	11.	Indian Bank
2.	Andhra bank	12.	Oriental Bank of Commerce
3.	Bank of Boroda	13.	Punjab and Sind Bank
4.	Bank of India	14.	Punjab National Bank
5.	Bank of Maharashtra	15.	State Bank of India
6.	Canara bank	16.	Syndicate Bank
7.	Central bank of India	17.	UCO Bank
8.	Corporation Bank	18.	Union Bank of India
9.	Dena Bank	19.	Vijaya Bank
10.	IDBI Bank		

<b>II. List of Private Banks</b>			
Sl. No.	Name of the Bank	Sl. No.	Name of the Bank
1	HDFC Bank	9	The South Indian Bank Ltd.
2	ICICI Bank	10	The Karur Vysya Bank Ltd.
3	Axis Bank	11	The Karnataka Bank Ltd.
4	Kotak Mahindra Bank Ltd.	12	IDFC Bank
5	YES Bank	13	RBL Bank
6	IndusInd Bank	14	The Lakshmi Vilas Bank Ltd.
7	The Federal Bank Ltd.	15	Tamilnadu Mercantile Bank Ltd.
8	The Jammu & Kashmir Bank Ltd.	16	City Union Bank Ltd.

<b>III. List of Foreign Banks</b>					
Sl. No.	Name of the Bank	BIC	Sl. No.	Name of the Bank	BIC
1	Abu Dhabi Commercial Bank Ltd.	ADCB AE AA	19	KEB Hana Bank	KOEX KR SE
2	Australia & New Zealand Banking Group Limited	ANZB AU 3M	20	Krung Thai Bank Public Company Ltd.	KRTH TH BK
3	Bank Of America NA	BOFA US 3N	21	Mashreqbank PSC	BOML AE AD
4	Bank of Bahrain and Kuwait B.S.C.	BBKU BH BM	22	Mizuho Bank Ltd.	MHCB JP JT
5	Bank of Ceylon	BCEY LK LX	23	National Australia Bank Ltd.	NATA AU 33
6	Barclays Bank PLC	BARC BG 22	24	Sberbank	SABR RU MM
7	BNP Paribas	BNPA FR PP	25	Shinhan Bank	SHBK KR SE
8	Citibank N.A.	CITI US 33	26	Societe Generale	SOGE FR PP
9	Commonwealth Bank of Australia	CTBA AU 2S	27	Sonali Bank Ltd.	BSON BD DH
10	Credit Agricole Corporate & Investment Bank	BSUI FR PP	28	Standard Chartered Bank	SCBL GB 2L
11	Credit Suisse AG	CRES CH ZZ	29	Sumitomo Mitsui Banking Corporation	SMBC JP JT
12	DBS Bank Ltd.	DBSS SG SG	30	The Bank of Nova Scotia	NOSC CA TT
13	Deutsche Bank AG	DEUT DE FF	31	The Bank of Tokyo-Mitsubishi UFJ, Ltd.	BOTK JP JT
14	Doha Bank	DOHB QA QA	32	The Hongkong & Shanghai Banking Corp. Ltd.	HSBC HK HH
15	FirstRand Bank Ltd.	FIRN ZA JJ	33	The Royal Bank of Scotland PLC	RBOS GB 2L
16	Industrial Bank of Korea	IBKO KR SE	34	United Overseas Bank Ltd.	UOVB SG SG
17	Industrial & Commercial Bank of China Limited	ICBK CN BJ	35	Westpac Banking Corporation	WPAC AU 2F
18	JP Morgan Chase Bank	CHAS US 33	36	Woori Bank	HVBK KR SE



**ANNEXURE-C19**

**NATIONAL ALUMINIUM COMPANY LIMITED**  
**SMEALTER PLANT / CAPTIVE POWER PLANT DIVISION**

**INSTRUCTION FOR BIDDERS: FILLING UP OF FOLLWING ANNEXURES ARE MUST, WITHOUT WHICH THE OFFER IS LIABLE FOR REJECTION.**

The tenderer shall carefully study the list of directors of NALCO from the website written below

<https://nalcoindia.com/company/nalco-leadership/board-of-directors/>

and state “Yes” or “No” to questions given below:

Sl.No.	Description	Write “Yes” or “No”
1.	Whether the tenderer is a relative of any of the directors of NALCO?	
2.	If the tenderer is a firm, any of NALCO Directors or any of their relatives is a partner in the tender’s firm?	
3.	If the tenderer is a Company Registered under Company’s Act 1956, whether any of NALCO’s Directors is a member of Director of the Company?	

**Note:** If Yes to any of the above questions, please give the name of NALCO’s Director and relationship of the tender / partner / member / Director as the case may be.

Sl. No.	Name	Relationship

**SIGNATURE OF THE TENDERER**

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 101 of 127

**ANNEXURE-C20**

**Important:** Suppression of information shall be viewed seriously and action deemed fit would be taken including termination of the contract.

(Strike out which is not applicable)

1. I/We hereby declare that none of my/our relative is an employee of NALCO.
2. I/We hereby declare the following are the employee/s of NALCO is/are my/our relative/s.

Sl.No.	Name of the employee/ P.No. / Designation/Place of Posting.	Relationship with the employee.
1		
2		
3		

(PLEASE ATTACH EXTRA SHEET, IF REQUIRED)

**SIGNATURE OF THE TENDERER**

ANNEXURE-C21

PRE CONTRACT INTEGRITY PACT

**General**

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on \_\_\_\_\_ day of the month of \_\_\_\_\_ 2024, between, on one hand, the National Aluminium Company Limited (NALCO), a company registered under the Companies Act 1956 and a Government of India Enterprise, having its Registered Office at NALCO Bhawan, P/1, Nayapalli, Bhubaneswar- 751013, Odisha, India (referred to as NALCO) acting through Shri **Rajesh Sarkar, DGM(Ceramic), Tender & Contract, CPP** (hereinafter called the "BUYER", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s. \_\_\_\_\_ represented by Shri \_\_\_\_\_, Chief Executive Officer (hereinafter called the "BIDDER / Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns ) of the Second Part.

WHEREAS the BUYER proposes to procure "**R & M contract for Civil Maintenance work for the system of Fly ash disposal in lean slurry mode from CPP, NALCO to Bharatpur (South) abandoned mines void of M/s MCL, including return water system, CISF Barrack, Watch Towers for the year 2024-2026**" and the BIDDER/Seller is willing to offer/has offered the stores and

WHEREAS the BIDDER is a private company / public company /Government undertaking/ partnership /registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Company under the administrative control of the Ministry of Mines, Govt. of India.

**NOW THEREFORE**

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to during and subsequent to the currency of the contract to be entered into with a view to :-

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will comment to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Commitments of the BUYER**

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person or organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

**Commitments of BIDDERS**

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following :-
  - 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
  - 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the

obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.

- 3.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4 BIDDERS shall disclose the payment to be made by them to agents / brokers or any other Intermediary, in connection with this bid / contract.
- 3.5 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 3.6 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.7 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.8 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 3.9 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable fact.
- 3.10 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.11. If the Bidder or any employee of the Bidder or any person acting on the behalf of the Bidder, either directly or indirectly, is a relative of any of the officers of the Buyer, or alternatively, if any relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender.
- The term "relative" for this purpose would be as defined in Section 6 of the Companies Act 1956.
- 3.12. The Bidder shall not lend to or borrow any money from or enter into monetary dealings or transactions, directly or indirectly, with any employee of the Buyer.
- 3.13 Bidder(s)/ Contractor(s) who have signed the integrity pact shall not approach the courts while representing the matter to IEMs and shall wait for their decision in the matter.

#### 4. **Previous Transgression**

- 4.1. The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could Justify Bidder's exclusion from the tender process.
- 4.2. The Bidder agrees that if it makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.
- 5.. **Sanctions for Violations :**
- 5.1. Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle of the BUYER to take all or any one of the following actions, wherever required: -
- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
  - (ii) The Earnest Money Deposit ( in pre-contract stage) and/or Security Deposit / Performance Bond ( after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
  - (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
  - (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
  - (v) To en-cash the advance bank guarantee and performance bond / warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
  - (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation / rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
  - (vii) To debar the BIDDER from participating in future bidding processes of NALCO for a minimum period of five years, which may be further extended at the discretion of the BUYER.
  - (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 5.2 The BUYER will be entitled to take all or any of the actions mentioned at para 5.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 5.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitor(s) appointed for the purposes of this Pact.
6. **Independent External Monitors (IEMs):**
- 6.1. The BUYER has a panel of Independent External Monitors (hereinafter referred to as-IEMs) for this Pact in consultation with the Central Vigilance Commission as mentioned in NALCO's NIT/NALCO's website ([www.nalcoindia.com](http://www.nalcoindia.com)).
- 6.2 The task of the IEMs shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 6.3 The IEMs shall not be subject to instructions by representatives of the parties and perform their functions neutrally and independently.
- 6.4 Both the parties accept that the IEMs have the right to access all the documents relating to the project / procurement including minutes of meetings.
- 6.5 As soon as the IEM notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
- 6.6 The BIDDER(s) accepts that the IEM has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the IEM, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The IEM shall be under contractual obligation to treat the information and documents of the BIDDER / Subcontractor(s) with confidentiality.
- 6.7 The BUYER will provide to the IEM sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the IEM the option to participate in such meetings.
- 6.8 The IEM will submit a written report to the designated Authority of BUYER / Secretary in the Department / within 8 to 10 weeks from the date of reference or intimation to his by the BUYER / BIDDER and should be occasion arise, submit proposals for correcting problematic situations.

**7. Facilitation of Investigation:**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the IEMs shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

**8. Law and Place of Jurisdiction:**

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

**9. Other Legal Actions:**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

**10. Validity:**

10.1 This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by CMD, NALCO.

10.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

11. If the bidder/ Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members

12. The parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

For & on behalf of

For & on behalf of

**BUYER**

**BIDDER**

Name of the Officer: **Shri Rajesh Sarkar**

Designation: **DGM(Ceramic), Tender & Contract, CPP**

Company: **NALCO**

Official Seal

Witness

Witness

1. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

2. \_\_\_\_\_

\*\*\*\*\*

**ANNEXURE-C22**

**BEFORE THE NOTARY PUBLIC  
A F F I D A V I T**

I ....., aged about ..... years, S/O: ....., At-....., PO-....., Dist-....., Pin-....., State: ....., Designation: ..... of M/s. .... have not been convicted by a court of Law for an offence involving moral turpitude in relation to business dealings during the past seven years for acceptance of the offer. I do hereby solemnly affirm and state as follows:

**INFORMATION REGARDING CURRENT LITIGATION, DEBARRING EXPELLING OF BIDED OR ABANDONMENT OF WORK BY THE BIDDER**

1.	(a)	Is the bidder currently involved in any litigation relating to the works.	Yes/No
	(b)	If yes, give details:	
2.	(a)	Has the bidder or any of its constituent partners been debarred/ expelled by any agency in India during the last 5 years.	Yes/No
	(b)	If yes, give details:	
3.	(a)	Has the bidder or any of its constituent partners failed to perform on any contract work in India during the last 5 years.	Yes/No
	(b)	If yes, give details:	
4.	(a)	Arbitration cases pending.	Yes/No
	(b)	If yes, give details:	
5.	(a)	Disputed incomplete works.	Yes/No
	(b)	If yes, give details:	
6.	(a)	Pending civil cases against the firm or its Proprietor/Partner(s)/Director(s) involving moral turpitude in relation to business dealings.	Yes/No
	(b)	If yes, give details:	
7.	(a)	Pending criminal cases against the firm or its Proprietor/Partner(s)/Director(s) involving moral turpitude in relation to business dealings.	Yes/No
	(b)	If yes, give details:	
8.	(a)	Punishments awarded under civil cases or criminal cases involving moral turpitude in relation to business dealings	Yes/No
	(b)	If yes, give details:	

**Note:**

If any information in this schedule is found to be incorrect or concealed, qualification application will be summarily be rejected.

**Signature of the bidder**

**Date :** .....

**ANNEXURE-C23**

**AGREEMENT**

**CONTRACT AGREEMENT FOR THE WORK OF.....(-.....) DATED. ..../...../.....,(the ...th day of the month of.....of the year two thousand.....)**  
between **M/s.....** in the town of..... **AT/PO-.....,DIST-.....STATE.....,PIN-.....** here in after called ,the "Contractor" (which terms shall unless excluded by or repugnant to the subject or context include its successors and permitted assignees) of the one part and the **NATIONAL ALUMINIUM COMPANY LIMITED** hereinafter called the "OWNER" (Which term shall, unless excluded by or repugnant to the subject or context include its successors and permitted assignees) of the other part.

**Whereas:**

- (A) The owner being desirous of having provided and executed certain works mentioned enumerated or referred to in the tender documents including Notice Inviting Tender/Letter Inviting Tender, General Conditions, Drawings, Plans, Time schedule of Completion of jobs, and other documents has called for Tender.
- (B) The Contractor has inspected the site and surroundings of the works specified in the tender documents and has satisfied himself by careful examination before submitting his tender as to the nature of the surface strata, soil, subsoil and ground, the form and nature of site and local conditions, the quantities, nature and magnitude of the work, the availability of labour and materials necessary for the execution of work, the means of access to site, the supply of power and water thereto and the accommodation he may require and has made local and independent enquiries and obtained complete information as to the matters and things referred to or implied in the tender documents or having any connection therewith, and has considered the nature and extent of all probable and possible situations, delays, hindrances or interferences to or with the executions and completion of the work to be carried out under the contract, and has examined and considered all other matters, conditions and things and probable and possible contingencies, and generally all matters incidental thereto and ancillary thereof affecting the execution and completion of the work and which might have influenced him in making his tender.
- (C) The Notice Inviting Tender/ Letter Inviting Tender, General conditions of Contract, Special Conditions of Contract, General Obligations, Specifications, Drawings, Plans, Time Schedule of Completion of jobs, Letter of Acceptance of Tender and any statement of agreed variations with its enclosures, copies for which are hereto annexed form part of this contract though separately set out herein and are included in the expression "CONTRACT" wherever herein used.

01) SERVICE PURCHASE ORDER NO: .....

**AND WHEREAS:**

The owner accepted the Tender of the Contractor for the provision and the execution of the said work at the rates stated in the schedule of quantities of works and finally approved by owner (Hereinafter called the 'Schedule of Rates') upon the terms and subject to the conditions of contract. Now this agreement witnesses and it is hereby agreed and declared as follows:-

- 01. In consideration of the payment to be made to the contractor for the work to be executed by him, the contractor hereby covenants with the owner that the contractor shall and will duly provide, execute and complete the said works and shall do and perform all other acts and things in the contract mentioned or described or which are to be implied there from or may be reasonably necessary, for the completion of the said works and at the said times and in the manner subject to the terms and conditions or stipulations mentioned in the contract.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

02. In consideration of the due provision execution and completion of the said work, the owner does hereby agree with the contractor that the owner will pay to the contractor the respective amounts for the work actually done by him and approved by the owner at the scheduled rates and such other sum payable to the contractor under provision of the such contract, payment to be made at such time and in such manner as provided for in the contract.

**AND**

03. In consideration of the due provisions execution and completion of the said work the contractor does hereby agree to pay such sums as may be due to the owner for the services rendered by the owner to the contractor such as power supply, water supply and others as set for in the said contract and such other sums as may become payable to the owner towards the controlled items of consumables materials or towards loss, damage to the owner's equipment, materials, construction plant and machinery, such payments to be made at such time and in such manner as is provided in the contract. It is specially and distinctly understood and agreed between the owner and the contractor that the contractor shall have no right, title or interest in the site made available by the owner for execution of the works or in the building, structure or works executed on the said site by the contractor or in the goods, articles, materials etc. brought on the said site (Unless the same specifically belongs to the contractor) and the contractor shall not have or deemed to have any lien whatsoever charge for unpaid bills nor will be entitled to assume or retain possession or control of the site or structures and the owner shall have an absolute and unfettered right to take full possession of the site and to remove the contractor, his servants, agents and materials belonging to the contractor and lying on the site.

The contractor shall be allowed to enter upon the site for execution of the works only as a licensee simplicitor and shall not have any claim, right, title or interest in the site or the structure erected thereon and the owner shall be entitled to terminate such license at any time without assigning any reason. The materials including sand, gravel, stone, loose earth rock etc. dug up or excavated from the said site shall unless otherwise expressly agreed under this contract, exclusively belong to the owner and the contractor shall have no right to claim over the same and such excavations and materials should be disposed off on account of the owner according to the instructions in writing issued from time to time by the Engineer-in-Charge.

In witness whereof the parties have executed these presents in the day and the year first above written.

Signed & delivered for &  
on behalf of Owner

Signed & delivered for &  
on behalf of Contractor.

(NATIONAL ALUMINIUM CO.LTD.)  
PLACE: NALCO CPP DIVISION ANGUL.

(M/S.....)  
PLACE:

**IN THE PRESENCE OF TWO WITNESSES.**

NALCO'S WITNESS.

CONTRACTOR'S WITNESS.

01) \_\_\_\_\_ 01) \_\_\_\_\_

02) \_\_\_\_\_ 02) \_\_\_\_\_

**PLACE: NALCO, CPP**

**ANNEXURE-C24**

**COMMERCIAL QUESTIONNAIRE**

Bidder's reply/ confirmation as furnished in the Commercial Questionnaire (CQ) shall supersede the stipulations mentioned elsewhere in their offer.

SL. NO.	NALCO'S QUERY	BIDDER'S REPLY/ CONFIRMATION
1.0	Confirm that your offer is valid for <b>04 (Four) Months</b> from the original date of Tender Opening / last Extended tender opening date, if extension done (As per CPP Portal).	
2.0	Confirm that Earnest Money Deposit (EMD) as per tender stipulations have been furnished along with bid.	
3.0	Confirm that the following documents are submitted with Part-I:	
a)	All documents as per CHECK LIST.	
b)	Master Index as enclosed with Bidding Document is submitted in unpriced part duly signed and stamped on each page.	
c)	Compliance letter for Addendum/ Amendments as a token of acceptance (Applicable, if issued).	
4.0	Confirm that price has been submitted in a separately sealed envelope superscribing "PRICE PART". 2 Copies (One original & One Photo copy)	
5.0	Schedule of Price	
a)	Price must be filled in the soft copy of the SOR furnished along with the tender document. Please note that the format of the Excel file including columns of Item No., Description, Unit, Quantity, name of file or worksheet etc. are not to be edited by the tenderer. Confirm that price part submitted is the print out of the soft copy submitted along with the price bid.	
b)	Confirm that rate/ price has been quoted for all items of SOR.	
c)	Confirm that deviation/terms & conditions are not mentioned in the price part. In case any terms and condition is mentioned in the price part, the same shall be treated as null and void.	
d)	Confirm that correction fluid is not used in the price part. (In case of any correction, the same shall be signed and stamped by authorized signatory.)	
6.0	Confirm your compliance to critical stipulations of bidding document as mentioned in ITB.	

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

SL. NO.	NALCO'S QUERY	BIDDER'S REPLY/ CONFIRMATION
7.0	Confirm that you have studied complete tender document including technical and commercial part and your offer is in accordance with the requirements of the tender document.	
8.0	Confirm your compliance to total Scope of Work mentioned in the Bidding Document.	
9.0	Confirm your acceptance for 'Scope of Supply' mentioned in the tender document and confirm that all materials shall be supplied as per Standards and Specification.	
10.0	Confirm your acceptance for Time Schedule as mentioned in tender document.	
11.0	Confirm that your quoted price includes all taxes, duties as applicable for this WORK in accordance with the provision of General Conditions of Contract and Special Conditions of Contract.	
12.0	Confirm that your quoted price includes all types of insurance as per the provisions of General Conditions of Contract and Special Conditions of Contract.	
13.0	Confirm that all costs resulting from safe execution of WORK, such as safety induction, use of protective clothing, safety glasses and helmet, safety precaution taken during monsoon, or any other safety measures to be undertaken by the Contractor for execution of work are included in the quoted rates.	
14.0	Confirm that adequate numbers of construction equipments, tools, tackles etc. have been proposed which will be sufficient to complete the work as per the time schedule.	
15.0	Confirm that you have proposed adequate project/site organization with qualified supervisory personnel having requisite experience including personnel responsible for safety, planning, stores, QA/QC etc.	
16.0	Confirm that while submitting your price, you have taken consideration of scope of supplies, scope of work and technical requirement mentioned in Bidding Document.	
17.0	Confirm that only exception and deviation indicated in the specific format shall be considered and evaluated. Deviations listed at any other places of the tender documents shall not be considered.	

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**Page 114 of 127**

SL. NO.	NALCO'S QUERY	BIDDER'S REPLY/ CONFIRMATION
18.0	Confirm that you have your own QA/QC programme for executing this work.	
19.0	Confirm that Bidder is not involved in any Litigation/ Arbitration/debarring/expelling, otherwise, if involved, please furnish information about the same.	
20.0	Confirm that the Bidder is not under liquidation, court receivership or similar proceedings.	
21.0	Confirm the following:	
a)	The planning schedule, S-curves etc., submitted by the bidder with his Bid, are indicative and shall not be basis for extra compensation in case actual needs are higher.	
b)	Detailed planning schedule developed by CONTRACTOR after contract award may be subject to fluctuations depending upon actual progress of the project and available work front.	
c)	Co-ordination and making available by Contractor of all staff, manpower, construction equipment, tools, cranes, etc. and materials as required for a timely completion of all WORK as per Owner's construction and priority schedule and in accordance with the available work front are included in the quoted rates.	
22.0	Please confirm whether you need Mobilization Advance or not.	
23.0	Please confirm that you have submitted Tender Fee in the Unpriced Part of your Bid in case Bidding Document downloaded from website. In case of non-submission of tender fee as specified, tender shall not be considered for evaluation.	

**SIGNATURE OF BIDDER :** \_\_\_\_\_

**NAME OF BIDDER :** \_\_\_\_\_

**COMPANY SEAL :** \_\_\_\_\_



NATIONAL ALUMINIUM COMPANY LIMITED

(A Government of India Enterprise)

TENDER & CONTRACT DEPT., SMELTER PLANT / CAPTIVE POWER PLANT

Web site: [www.nalcoindia.com](http://www.nalcoindia.com)

ANNEXURE-C25

**CHECKLIST FOR BIDDER.**

Following information along with the attested copy/copies of all the supporting documents as applicable, are to be submitted in the envelope of Single part/ two-part bid (Ref cl. No-25.1 of Annexure-A1).

Sl No.	Documents description	For Two Part	For Single Part	
1.	(a) EMD Amount as per NIT specification.	Yes / No	Yes / No	
	(b) Cost of tender document, if downloaded from Internet.	Yes / No	NA	
2.	E.P.F. A/c CODE	Yes / No	Yes / No	
3.	E.S.I. A/c CODE	Yes / No	Yes / No	
4.	PAN No.	Yes / No	Yes / No	
5.	E MAIL ID ( <b>Annexure-C4</b> )	Yes / No	Yes / No	
6.	Phone no/ Mobile no ( <b>Annexure-C4</b> )	Yes / No	Yes / No	
7.	PAN based GST registration No	Yes / No	Yes / No	
8.	GST No	Yes / No	Yes / No	
9.	Solvency Certificate from a Bank	Yes / No	NA	
10.	Power of Attorney of the signatory / Authorized signatory nominated by the company for the tender, if signed by other than proprietor.	Yes / No	Yes / No	
11.	Proof of ownership/partnership of the firm/company attached.	Yes / No	NA	
12.	Offer is submitted in the original NIT documents	(a) Obtained from T&C Department,	Yes / No	NA
		(b) Downloaded from Internet	Yes / No	NA
13.	Deviation from the NIT terms & conditions in deviation sheet only. (Ref :-Annexure-C3)	Yes / No	NA	
14.	Signed declaration form by authorized signatory as per <b>Annexure-C4</b>	Yes / No	Yes / No	
15.	Undertaking of downloaded tender documents as per <b>Annexure-C5</b>	Yes / No	NA	
16.	Bank mandate for e-payment form as per <b>Annexure-C10</b>	Yes / No	Yes / No	

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**Page 116 of 127**

Sl No.	Documents description	For Two Part	For Single Part
17.	<b>Annexure-C19 &amp; C20</b> regarding relatives in NALCO	Yes / No	Yes / No
18.	<b>Annexure-C8</b> regarding details of commitments and information of the tenderer	Yes / No	NA
19.	Documentary evidence in support of pre-qualifying criteria of the NIT  <b>Work Orders listing as per (Annexure-C6)</b> <b>Work Orders listing as per (Annexure-C7)</b>	Yes / No Yes / No	NA
20.	Copies of audited Balance Sheet / Profit & Loss account for the last three Financial Years	Yes / No	Yes / No
21.	Copy of statutory license, if applicable	Yes / No	Yes / No
22.	List of tools & tackles	Yes / No	NA
23.	All the pages of the offer including GCC are signed by the bidder	Yes / No	Yes / No
24.	Supporting documents are attested by Gazetted Officer / Notary Public	Yes / No	Yes / No
25.	Price Bid contains no conditions in any form	Yes / No	Yes / No
26.	Pre Contract Integrity Pact ( <b>Annexure-C21</b> )	Yes/No	NA
27.	<b><u>Preference to Make In India (Annexure-A09)</u></b>	Yes / No	Yes / No
28.	<b>Compliance of Public order on Restrictions under Rule 144 (xi) of the General Financial Rules (Annexure-A10)</b>	Yes / No	Yes / No

NB:- If any of the information is not furnished, the offer of the party shall be liable for rejection and the consideration of the offer is at the discretion of NALCO.

**SIGNATURE OF TENDERER WITH SEAL**

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 117 of 127

ANNEXURE-C26

**CHECK LIST FOR SUBMISSION OF OFFER**

Bidder is requested to fill this check list and ensure that all details/ documents have been furnished as called for in the tender document along with duly filled in, signed and stamped **checklist with Part-I bid**.

Please tick the box and ensure compliance:

- 1.0 **Bid submission Letter** as per proforma attached in bidding document.  
Submitted.
- 2.0 **Information about Bidder** as per proforma attached in bidding document.  
Submitted.
- 3.0 **EMD** of requisite amount is submitted in the form of DD/BG/BC from any scheduled bank as mentioned in tender document, in separate sealed envelope marked "Earnest Money Deposit".  
Submitted in the form  EMD value: Rs. \_\_\_\_\_  
of DD/ BG
- BG No. \_\_\_\_\_ Dated \_\_\_\_\_ Valid up to \_\_\_\_\_ Claim period upto \_\_\_\_\_  
DD No. \_\_\_\_\_ Dated \_\_\_\_\_ Drawn on \_\_\_\_\_ Valid up to \_\_\_\_\_  
BC No. \_\_\_\_\_ Dated \_\_\_\_\_ Drawn on \_\_\_\_\_ Valid up to \_\_\_\_\_
- 4.0 **Validity of Bank Guarantee** towards Earnest Money Deposit enclosed with Techno-commercial Part of your offer (if submitted in the form of BG) is \_\_\_\_ **Months** from the tender opening/Extended tender opening date. (Annexure-C12)  
Yes  Valid Up to \_\_\_\_\_.
- 5.0 **Validity of Offer** is up to \_\_\_\_ **Months** from the tender opening/Extended tender opening date.  
Yes  Valid Up to \_\_\_\_\_.
- 6.0 **Annual Turnover Details** as per proforma including **Audited Balance Sheets including Profit and Loss Account Statement** for the last 3 (Three) years.  
Submitted.  Submitted for the years:  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_
- 7.0 **Fresh Solvency Certificate** from your Bankers (Date of issue of this certificate should not be earlier than one year from the date of opening of Techno-commercial Part).  
Submitted.  Certificate dated \_\_\_\_\_  
From (Name of Bank) \_\_\_\_\_
- 8.0 **Details of Past Experience** in the proforma enclosed in the Bidding Document.  
Submitted.
- 9.0 **Details of Present Commitments** in the proforma enclosed in the proforma enclosed in the Bidding Document.  
Submitted.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**Page 118 of 127**

- 10.0 List of minimum equipment proposed to be deployed for the work in the proforma enclosed in the Bidding Document.  
Submitted.  Ref.: \_\_\_\_\_
- 11.0 Deployment Schedule of equipment proposed for the work in the proforma enclosed in the Bidding Document.  
Submitted.  Ref. \_\_\_\_\_
- 12.0 Proposed Site Organisation (as per proforma enclosed in the Bidding Document)
- i) Submitted  Ref. \_\_\_\_\_
- ii) Qualification and Experience of Resident Engineer/ Site-in-Charge and other key personnel have been mentioned in the site organization chart.  
Yes  Ref. \_\_\_\_\_
- iii) Number of Key Personnel under different heads have been mentioned in the Site Organisation Chart.  
Yes  Ref. \_\_\_\_\_
- iv) Site Organization Chart includes qualified and experienced Quality Control Engineer, Planning Engineer and Safety Officer.  
Yes  Ref. \_\_\_\_\_
- 13.0 Deployment Schedule of Supervisory Personnel proposed for the work in the proforma enclosed in the Bidding Document.  
Submitted  Ref. \_\_\_\_\_
- 14.0 Power of Attorney in favour of person who has signed the offer in stamp paper of appropriate value.  
Submitted.  Ref. \_\_\_\_\_
- 15.0 Partnership Deed in case of partnership firm and Articles of Association in case of limited company.  
Submitted.
- 16.0 Declaration regarding relationship with client's Director  
Submitted.
- 17.0 Copy of P.F & ESI code, Service Tax registration certificate:  
Submitted.
- 18.0 An Overall Schedule, clearly indicating all important milestone of the construction activities.  
Submitted.  Ref. \_\_\_\_\_
- 19.0 Bid Compliance Statement (confirmation for no deviation stipulated in Bid) in the proforma enclosed.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Submitted.

Ref. \_\_\_\_\_

20.0 Exception and Deviation Statement in the proforma enclosed.

Submitted.

21.0 All the documents submitted in requisite number of copies as mentioned in the Bidding Document and are readable/legible.

Submitted.

No. of copies submitted: \_\_\_\_\_

22.0 Original Bidding Document along with blank (un-priced) copy of Price Bid/ Schedule of Rates, corrigendum and addendum (if any).

Submitted.

23.0 All pages/ documents are stamped and signed by the authorised signatory of the bidder.

Yes.

SIGNATURE OF BIDDER: \_\_\_\_\_

NAME OF BIDDER: \_\_\_\_\_

COMPANY SEAL: \_\_\_\_\_

ANNEXURE-C27

APPENDIX FOR DOCUMENTS TO BE SUBMITTED BY BIDDER

Sl. No.	Contents	File Name (To be saved as)	Page Nos.
1	DD / Banker's Cheque /MSME / NSIC / UAM	EMD.pdf	---- to ---
2	i) Work Order Copy with scope of work and BOQ	Tech PQC.pdf	---- to ---
	ii) Completion Certificate		---- to ---
	iii) Amendment Copy ,if applicable		---- to ---
3	i) Balance Sheet and Profit & Loss statements of last 3 financial years <b>(Audited by C.A)</b>	Fin PQC.pdf	---- to ---
	ii) Bank Solvency of last financial year		---- to ---
4	i) PF	Comm PQC.pdf	---- to ---
	ii) ESI		---- to ---
	iii) PAN		---- to ---
	iv) PAN based GSTIN		---- to ---
	v) Power of Attorney /ownership/Certificate of Incorporation		---- to ---
	vi) Affidavit of No Litigation <b>(Original)</b>		---- to ---
5	i) Declaration of Relatives (Appendix – C19 & C20 of NIT)	Forms.pdf	---- to ---
	ii) Details of Present Commitments of the tenderer (ANNEXURE-C8 of NIT)		---- to ---
	iii) Exception / Deviation statement to the tender terms & conditions (ANNEXURE-C3 of NIT)		---- to ---
	iv) Declaration by the bidder (ANNEXURE-C4 of NIT)		---- to ---
	v) Bank Mandate Form for e-payment (Annexure-C10 of NIT)		---- to ---
	vi) SAC Code (Annexure-C18 of NIT)		---- to ---
	vii) Undertaking of downloading of tender document (Annexure-C5 of NIT )		---- to ---
6	Pre-Contract Integrity Pact (Annexure-C21 of NIT)	PCI.pdf	---- to ---
7	Preference to Make In India(Annexure-A09)	A09.pdf	---- to ---
8	<b>Compliance of Public order on Restrictions under Rule 144 (xi) of the General Financial Rules (Annexure-A10)</b>	A10.pdf	---- to ---

**NOTE –**

1. The above details must be filled up and submitted, along with the bid document.
2. All the above mentioned documents needs to be submitted along with the offers.
3. The bid submitted must have 8 files as mentioned above and must contain the contents specified against each file.
4. Page nos. (Ex:- pages --- to ---) must be mentioned against each file.

**TENDER No.:**  
**CPP/T&C/827/MC-5429/NIT/2024/301**

**Annexure-C28**

**NO DUE CERTIFICATE**

- 1. Vendor Code: Vendor Name:
- 2. Work Order Ref with Date:
- 3. Description of Work as per Order :
- 4. Reference of User Dept :

This is to certify that the contractor do not have any due regarding Material, Tools, Equipment, Consumables, Rent, Electricity, Water Charges, Ground Rent, Hiring Charges, etc. and Compensation for damages if any.

However, dues of contractor under the performance guarantee / defect liability shall continue for the performance guarantee / defect liability period notwithstanding the above certificate/ agreement.

for National Aluminium Co. Ltd.

Date:

Signature.

Name:

Designation:

Department:

.....

**NO CLAIM CERTIFICATE**

- 1. Vendor Code: Vendor Name:
- 2. Work Order Ref with Date:
- 3. Description of Work as per Order:
- 4. Reference of User Dept:
- 5. Final Bill Value Claimed:

This is to certify that we do not have any other claims on M/s. National Aluminium Company Limited against the above contract except what is already claimed in the Final Bill subject to processing/passing in Finance as per Contract Conditions and Security Deposit/Performance guarantee.

for National Aluminium Co. Ltd.

for Contractor

Date:

Signature

Name:

Designation:

Department:

Signature

Name:

Seal:

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 122 of 127

**Annexure-C29**

NATIONAL ALUMINIUM COMPANY LTD.  
CAPTIVE POWER PLANT, ANGUL, ODISHA

*Integrated Management System*

**CONTRACTS DEPARTMENT**

Title: **WORK COMPLETION CERTIFICATE**

Doc. No.: F-24 / CNT/ IDPM/ 02

Issue No: 002

Rev. 02

Page 122 of 1

Effective Date of format: 17.08.2022

Sl. No.	Description	Details	
01	Name of the Work		
02	Work Order Reference No. & Date		
03	SAP Purchase Order No		
04	Name of the Contractor & SAP Vendor code		
05	Contract Period	From	To
06	Amended Contract Period	From	To
07	Contract Value (excluding GST) (Rs.)		
08	Final Amended Contract Value (in Rs.)		
09	Actual Value of Completed Work (excluding GST) (Rs.)		
10	Date of Actual Commencement of Work		
11	Date of Completion of Work		

Certified that the above work has been completed in all respects as per-terms & conditions of the contract and the performance is satisfactory.

(Signature of EIC/MIC)

(Signature of HOD)

Name:  
Designation:  
Dept:  
Date:

Name:  
Designation:  
Dept:  
Date:

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**Annexure-C29 A**

NATIONAL ALUMINIUM COMPANY LTD.  
CAPTIVE POWER PLANT, ANGUL, ODISHA

*Integrated Management System*  
**CONTRACTS DEPARTMENT**

Title: **PARTIAL WORK COMPLETION CERTIFICATE**

Doc. No.: F-25 / CNT/ IDPM/ 02

Issue No: 002

Rev. 02

Page 123 of 1

Effective Date of format:17.08.2022

Sl. No.	Description	Details	
01	Name of the Work		
02	Work Order Reference No. & Date		
03	SAP Purchase Order No		
04	Name of the Contractor & SAP Vendor code		
05	Contract Period	From	To
06	Amended Contract Period	From	To
07	Contract Value (excluding GST) (Rs.)		
08	Final Amended Contract Value (in Rs.)		
09	Date of Actual Commencement of Work		
10	Value of the partially completed work (excluding GST) (Rs.)		As on Dt:

Certified that the performance of the contractor till date is satisfactory. This partial work completion certificate is being issued to the contractor, as per their request vide letter No..... dated .....

(Signature of EIC/MIC)

(Signature of HOD)

Name:  
Designation:  
Dept:  
Date:

Name:  
Designation:  
Dept:  
Date:

**Annexure-C30**

**Format:- (To be submitted with BID)**

**ANTI-PROFITEERING DECLARATION FORMAT**

To whomsoever it may concern.

I, Mr. \_\_\_\_\_, Proprietor/\_\_\_\_\_ (other authorized signatories) of M/s. \_\_\_\_\_, hereby solemnly and sincerely declare that, while giving this quotation to 'Nalco' against Tender No. \_\_\_\_\_

Dt. \_\_\_\_\_, me/my firm/my company has abided by all Tax Laws and Rules including but not limited to Section 171 of the Central Goods and Services Tax Act, 2017.

I, hereby solemnly and sincerely further declare that me/my firm/my company will continue to abide by the said laws, including but not limited to Section 171 of the Central Goods and Services Tax Act, 2017, as applicable from time to time during the life of the tender and during execution of any order placed with reference to the said tender.

I further declare that, me/my firm/my company, in furtherance and in compliance to the said section, will make commensurate reduction in the basic prices w.r.t. Input Tax benefits and reduction in Tax charged to 'Nalco' w.r.t. Output Tax benefits in connection with goods and/or services provided.

I further declare that the foregoing is true and correct and the same is a legal obligation and failure to fulfil if could result in penalties under the law.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

To be signed by the authorized person under the firm's seal.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

**Page 125 of 127**

**Annexure-C31**

**Format:- (To be submitted at the time of release of Final Due)**

**ANTI-PROFITEERING DECLARATION FORMAT**

To whomsoever it may concern.

I, Mr. \_\_\_\_\_, Proprietor/\_\_\_\_\_ (other authorized signatories) of M/s. \_\_\_\_\_, hereby solemnly and sincerely declare that, while executing the Order No. \_\_\_\_\_ Dt. \_\_\_\_\_, me/my firm/my company has abided by all Tax Laws and Rules including but not limited to Section 171 of the Central Goods and Services Tax Act, 2017.

I further declare that, me/my firm/my company, in furtherance and in compliance to the said section, have not made profit out of reduction in Input Tax benefits where ever applicable and reduced Tax charged to 'Nalco' w.r.t. Output Tax benefits in connection with goods and/or services provided.

I also declare that "Commensurate benefit of reduction in rate of tax or benefit of input tax credit in the Purchase Order / Work Order / Contract No..... Dt..... has been passed on to NALCO."

I further declare that the foregoing is true and correct and the same is a legal obligation and failure to fulfil if could result in penalties under the law.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

To be signed by the authorized person under the firm's seal.

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

Page 126 of 127

**Annexure-C32**

**Declaration by Bidder for Implementation of Integrity**

**Tender Ref:** \_\_\_\_\_

I/We \_\_\_\_\_ (Name of the Bidder) commit to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post-contract stage in order to secure the contract.

I/ We further undertakes that

- Will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage to any official of the Buyer, connected directly or indirectly with the bidding process, evaluation, contracting and implementation of the Contract.
- will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- will commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable fact.
- will not instigate or cause to instigate any third person to commit any of the actions mentioned above.

Yours faithfully

(Authorized signatory of the Bidder)

Date:

**TENDER No.:**  
CPP/T&C/827/MC-5429/NIT/2024/301

## GENERAL CONDITIONS OF CONTRACT (GCC)

(Enclosed separately with this Tender)

\*\*\*\*\*

Validate

Print

Help

**Percentage BoQ**

ANNEXURE-B4

Tender Inviting Authority: Mr RAJESH SARKAR, DGM(CERAMIC), CONTRACTS, CPP, NALCO, ANGUL

Name of Work: R &amp; M contract for Civil Maintenance work for the system of Fly ash disposal in lean slurry mode from CPP, NALCO to Bharatpur (South) abandoned mines void of M/s MCL, including return water system, CISF Barrack, Watch Towers for the year 2024-2026.

Contract No: MC-5429

Name of the Bidder/ Bidding Firm / Company :	
--	--

**PRICE SCHEDULE**

- Note:**
1. This BOQ template must not be modified/replaced by the bidder and the same shall be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only.
  2. The total amount mentioned at Col no.6 is based on Unit Quantity for all items. However, the total tentative value of the contract shall be based on % of accepted deviation ( $\pm$  %) quoted by the L-1 bidder against our estimate of (Rs.2,62,05,785.77)
  3. The bidder shall quote their rates upto two decimal places only. Decimal digit beyond two will be rounded off to two decimal for evaluation/placement of the order.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1.00	Earth excavation up to 1.50 m: Earth work in excavation in all type of soil, including ordinary rock, by mechanical means (Hydraulic excavator) / Manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed, dewatering of sub-soil water, as directed by Engineer-in-charge.	1000.00	Cubic meter	125.95	125950.00	INR One Lakh Twenty Five Thousand Nine Hundred & Fifty Only
2.00	Earth excavation beyond 1.5m up to 3.00: Same as Item Sl. No.1 above but earth work in excavation beyond 1.5 m but upto 3.00 m depth, dewatering of sub-soil water, including getting out and disposal of excavated earth lead upto 50 m and lift upto 3.00m, as directed by Engineer-in-charge.	500.00	Cubic meter	177.70	88850.00	INR Eighty Eight Thousand Eight Hundred & Fifty Only

3.00	Excavation in foundation: Earth work in excavation in all kinds of soil including ordinary rock by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	1000.00	Cubic meter	166.40	<b>166400.00</b>	INR One Lakh Sixty Six Thousand Four Hundred Only
4.00	Back Filling of excavated soil: Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	1800.00	Cubic meter	125.75	<b>226350.00</b>	INR Two Lakh Twenty Six Thousand Three Hundred & Fifty Only
5.00	Earth Filling: Earth work in filling including excavation, loading, unloading, transportation. Earth to be filled in layers not exceeding 20 cm in depth, breaking clods, watering, compacting each layer with wooden or steel rammers and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, etc in all kinds of soil.	3000.00	Cubic meter	523.65	<b>1570950.00</b>	INR Fifteen Lakh Seventy Thousand Nine Hundred & Fifty Only
6.00	De-watering of water: De-watering of sub soil /surfaced/ rain water from foundation trenches, drains, low lying areas, sumps, reservoirs, pit, manholes chambers, valve chambers using minimum 1 HP pump sets including cost of supply, erection and transportation charges of pumps and cost of labour etc. all accessories and tools, tackles etc. complete.	100.00	Hours	148.92	<b>14892.00</b>	INR Fourteen Thousand Eight Hundred & Ninety Two Only
7.00	De-watering of water: De-watering of sub soil /surfaced/ rain water from foundation trenches, drains, low lying areas, sumps, reservoirs, pit, manholes chambers, valve chambers using minimum 3 HP pump sets including cost of supply, erection and transportation charges of pumps and cost of labour etc. all accessories and tools, tackles etc. complete.	100.00	Hours	176.42	<b>17642.00</b>	INR Seventeen Thousand Six Hundred & Forty Two Only
8.00	Engagement of Backhoe Excavator/JCB: Engagement of Backhoe earth excavator(JCB) for excavation/dozing purpose as and when required as per direction of Manager in charge. The Engagement of machinery includes cost of fuel,operator/helper/lubricant and to and fro toing time to the place of operation etc complete.	600.00	Hours	1019.40	<b>611640.00</b>	INR Six Lakh Eleven Thousand Six Hundred & Forty Only

9.00	Engagement of Hydra: Engagement of Hydra crane as and when required as per direction of Manager in charge. The Engagement of machinery includes cost of fuel,operator/helper/lubricant and to and fro toing time to the place of operation etc complete.	30.00	Hours	815.52	<b>24465.60</b>	INR Twenty Four Thousand Four Hundred & Sixty Five and Paise Sixty Only
10.00	Engagement of Hydraulic Excavator/PC-200: Engagement of hydraulic excavator (Poclain) PC-200 for excavation/dozing purpose as and when required as per direction of Manager in charge. The Engagement of machinery includes cost of fuel,operator/helper/lubricant and to and fro toing time to the place of operation etc complete.	30.00	Hours	2038.80	<b>61164.00</b>	INR Sixty One Thousand One Hundred & Sixty Four Only
11.00	Ash excavation up to 1.50 m depth: Excavation of ash/removal of spillage ash in fields,etc by mechanical / manual means in overareas, trenches,etc up to a depth of 1.50 m, including disposal of excavated ash upto a lead of 50m ,disposed ash to be levelled and dressed as directed by MIC.	7500.00	Cubic meter	125.95	<b>944625.00</b>	INR Nine Lakh Forty Four Thousand Six Hundred & Twenty Five Only
12.00	Ash excavation beyond 1.5m up to 3.00 m: Excavation of ash/removal of spillage ash in fields,etc by mechanical / manual means in overareas, trenches,etc from 1.50 m up to a depth of 3.0 m, including disposal of excavated ash upto a lead of 50m ,disposed ash to be levelled and dressed as directed by MIC.	500.00	Cubic meter	177.70	<b>88850.00</b>	INR Eighty Eight Thousand Eight Hundred & Fifty Only
13.00	Ash /waste material disposal from CPP up: Disposal of ash/mud/rubbish/ malba/ similar unserviceable or waste material generated due to spillage / leakage from ash slurry pipe lines or by any other sources, by mechanical transport including excavation,loading, transporting and disposed off to the designated area as noted below-The above ash /mud/etc generated / collected between CPP boundary wall up to Gobra MGR over crossing along the lean slurry pipe line corridor needs to be disposed off at existing ash pond of NALCO, CPP, complete as per directions of Engineer-in-Charge. The area from where the ash /mud/etc is taken, needs to properly dressed & cleaned and making it to original/good shape.	1500.00	Cubic meter	335.85	<b>503775.00</b>	INR Five Lakh Three Thousand Seven Hundred & Seventy Five Only

14.00	Ash /waste material disposal from Gobra: Disposal of ash/mud/rubbish/ malba/ similar unserviceable or waste material generated due to spillage / leakage from ash slurry pipe lines or by any other sources/ash deposited in the overflow pond at IPH, Bharatpur, by mechanical transport including excavation,loading, transporting and disposed off to the designated area as described below- The above ash /mud/etc generated / collected between Gobra MGR over crossing up to Bharatpur (South) mines area, along the lean slurry pipe line corridor needs to be disposed off in the mines void at existing Bharatpur (South) mines area, complete as per directions of Engineer-in-Charge. The area from where the ash / mud/etc is taken, needs to properly dressed & cleaned and making it to original/good shape.	1500.00	Cubic meter	335.85	<b>503775.00</b>	INR Five Lakh Three Thousand Seven Hundred & Seventy Five Only
15.00	Clearing of jungle, grass,bush,tree,etc: Clearing of jungle including uprooting of rank vegetation, grass,bush, wood,trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared along the pipe line corridor from OBPH to Mines, below & around pedestals and structures, inside OBPH/IPH/Mines,etc	600000.00	Square meter	7.20	<b>4320000.00</b>	INR Forty Three Lakh Twenty Thousand Only
16.00	Cleaning of drains top width up to 500 m: Cleaning of drains of top width between up to 500mm including removal of ash, vegetation, slushy soil, garbage, loose materials, construction rubbishes, earth etc. and disposal and leveling of the matters cleaned from the drain within 100m lead suitably.	1000.00	Meter	14.45	<b>14450.00</b>	INR Fourteen Thousand Four Hundred & Fifty Only
17.00	Cleaning of drains top width above 500 m: Cleaning of drains of top width above 500mm including removal of vegetation slushy soil, garbage, loose materials, construction rubbishes, earth etc. and disposal and leveling of the matters cleaned from the drain within 100m Lead suitably.	1000.00	Meter	28.71	<b>28710.00</b>	INR Twenty Eight Thousand Seven Hundred & Ten Only

18.00	Cleaning of valve pits /sludge pits/cham: Cleaning of all sections of valve pits/sludge pits/chambers/etc and disposal of unservicable material/waste material upto a lead of 100m all complete as per the direction of MIC.	50.00	Meter	58.52	<b>2926.00</b>	INR Two Thousand Nine Hundred & Twenty Six Only
19.00	Roof Cleaning: Cleaning of Roofs of Buildings including removing waste materials, malba, leaves,unservicable waste, fungi, algae, including scraping & removal of foreign materials if any, watering (if required) and disposal of the same suitably as per the direction of EIC.	10000.00	Square meter	7.20	<b>72000.00</b>	INR Seventy Two Thousand Only
20.00	Scrap Removal: Cleaning/removal of unservicable materials/debries/etc from all types of buildings/installations/all floors/cable trenches/filtration bed/etc including dewatering if necessary & stacking them within a lead 200m at any depth & height as directed by MIC.	20.00	Cubic meter	262.25	<b>5245.00</b>	INR Five Thousand Two Hundred & Forty Five Only
21.00	Tree Cutting: Cutting of trees (measured at a height of 1m & above ground level Beyond 60 cm girth ) and removal of debries within lead of 50m outside the periphery of the area cleaned including stacking of serviceable materials properly as per direction of MIC	40.00	NO	972.70	<b>38908.00</b>	INR Thirty Eight Thousand Nine Hundred & Eight Only
22.00	Cleaning of Toilets,wash basins,etc: Cleaning of toilets, wash basins, etc, including providing of detergent, phynol, jhadu, brush, bucket, etc	1800.00	NO	312.78	<b>563004.00</b>	INR Five Lakh Sixty Three Thousand &Four Only
23.00	Upkeeping of floors with moping: Cleaning and upkeeping of office room floors, mopping of floors including providing of disinfectants, detergents, mopping brush, buckets etc, tools & tackles etc	900000.00	Square meter	0.77	<b>693000.00</b>	INR Six Lakh Ninety Three Thousand Only
24.00	Cleaning of roads & approach areas: Cleaning of various roads, pavements with Jhadu (to be provided by the agency) and disposal of all the waste materials up to a lead of 50m from the clean area.	1000000.00	Square meter	0.36	<b>360000.00</b>	INR Three Lakh Sixty Thousand Only

25.00	Providing grass Turfing: Providing turfing on embankment side slope with grass sods including cutting grass sods not less than 50mm thick from nearby area , transporting and laying/ fixing the same ,watering for a period of minimum two weeks etc. complete.	1000.00	Square meter	77.00	<b>77000.00</b>	INR Seventy Seven Thousand Only
26.00	Supplying & Filling-Sand: Supplying and filling in plinth with approved quality of sand under floors, foundations, trenches,filter support, etc. as directed including watering,ramming, consolidating and dressing complete.	150.00	Cubic meter	917.75	<b>137662.50</b>	INR One Lakh Thirty Seven Thousand Six Hundred & Sixty Two and Paise Fifty Only
27.00	Supplying & Laying Sand filled bags: Supplying and laying/filling of sand filled in empty Polythene bag/ empty cement bag including stitching, laying in required position, etc all complete.	300.00	NO	30.90	<b>9270.00</b>	INR Nine Thousand Two Hundred & Seventy Only
28.00	Stone Aggregate providing & laying-20 mm: Supplying and laying Stone aggregate 20 mm nominal size for use as per site requirement / in required thickness in filter bed / as backing layer below stone boulder soling to the profile and consolidation etc. complete. (Payment shall be made after deduction of 7.5% from the quantity, for voids)	50.00	Cubic meter	1755.33	<b>87766.50</b>	INR Eighty Seven Thousand Seven Hundred & Sixty Six and Paise Fifty Only
29.00	Replacement of sand in Seal water Pond: Replacement of required thickness of Sand from the filter bed of the existing seal water pond at IPH Bharatpur. The contaminated Silty Sand needs to be removed manually including cleaning, removing for all lifts , stacking, loading, unloading transporting, complete. The removed sand shall be suitably disposed into Mines void of Bharatpur (South) complete or else wher as per direction of EIC. The Top sand filter layer shall be brought to its original thickness by supplying/providing/filling of consolidated coarse/filter sand of same thickness to brought to its original level. The agency needs to approve the quality of sand before brought to site.	720.00	Cubic meter	1253.60	<b>902592.00</b>	INR Nine Lakh Two Thousand Five Hundred & Ninety Two Only

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30.00	Stone Pitching-225 mm thick: Dry stone pitching 22.5 cm thick including supplying of stone boulder of required size and laid in courses and required profile with hammer dressed stones having no side less than 15 cm, with minimum depth of 20 cm including preparing the bedding surface or over the stone aggregate backing, etc. all complete.	150.00	Square meter	499.65	<b>74947.50</b>	INR Seventy Four Thousand Nine Hundred & Forty Seven and Paise Fifty Only
31.00	Boulder Soling-150 to 300 mm size: Supplying and laying of dry hard stone boulders of 150 to 300 mm size of approved quality, tightly hand packed in voids, packed with stone spalls and grading to required thickness and profile as per drawing for drains/ pitching / floor base, etc. (Payment will be made after deduction of 15% from the quantity, towards voids)	100.00	Cubic meter	2220.67	<b>222067.00</b>	INR Two Lakh Twenty Two Thousand & Sixty Seven Only
32.00	Area Grading: Surface dressing of the ground including removing vegetation and inequalities with top surface levelled & dressed and disposal of rubbish, lead upto 50 m and lift upto 1.5 m - All kinds of soil.	1000.00	Square meter	13.95	<b>13950.00</b>	INR Thirteen Thousand Nine Hundred & Fifty Only
33.00	Supplying & filling-Moorum/Crusher dust: Supplying, stacking, laying, watering and compacting of Moorum/Crusher dust at site.	400.00	Cubic meter	768.95	<b>307580.00</b>	INR Three Lakh Seven Thousand Five Hundred & Eighty Only
34.00	Supplying of stone metal Size 90 mm to 4: Supplying and stacking at site.- 90 mm to 45 mm size stone aggregate	100.00	Cubic meter	1336.05	<b>133605.00</b>	INR One Lakh Thirty Three Thousand Six Hundred & Five Only
35.00	Supplying of stone metal Size 63 mm to 4: Supplying and stacking at site.- 63 mm to 45 mm size stone aggregate	100.00	Cubic meter	1449.30	<b>144930.00</b>	INR One Lakh Forty Four Thousand Nine Hundred & Thirty Only

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36.00	Laying WBM: Laying spreading & compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand packing, rolling with three wheeled road /vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening/blinding material to fill of interstices of coarse aggregate watering and compacting to the required density (All material required shall be taken from the stack.)	200.00	Cubic meter	449.10	<b>89820.00</b>	INR Eighty Nine Thousand Eight Hundred & Twenty Only
37.00	Providing & laying P.C.C. (1:2:4): Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - works at all levels : 1:2:4 (1 Cement: 2 Sand : 4 graded stone aggregate 20 mm nominal size).	40.00	Cubic meter	5481.95	<b>219278.00</b>	INR Two Lakh Nineteen Thousand Two Hundred & Seventy Eight Only
38.00	Providing & laying P.C.C. (1:3:6): Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - works at all levels: 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	20.00	Cubic meter	4814.55	<b>96291.00</b>	INR Ninety Six Thousand Two Hundred & Ninety One Only
39.00	Providing & laying P.C.C. (1:4:8): Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 Sand : 8 graded stone aggregate 40 mm nominal size)	100.00	Cubic meter	4478.15	<b>447815.00</b>	INR Four Lakh Forty Seven Thousand Eight Hundred & Fifteen Only
40.00	Providing & laying R.C.C (1:1.5:3)- up : Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	150.00	Cubic meter	6215.35	<b>932302.50</b>	INR Nine Lakh Thirty Two Thousand Three Hundred & Two and Paise Fifty Only

41.00	Providing & laying R.C.C (1:1.5:3)- above: Reinforced cement concrete work in column,beams, floors, roofs, landings, balconies, chajjas, lintels, bridges,cross overs, walls, pipe pushings, thrust blocks,etc above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	150.00	Cubic meter	7390.80	<b>1108620.00</b>	INR Eleven Lakh Eight Thousand Six Hundred & Twenty Only
42.00	Providing CC flooring: Cement concrete flooring 1:2:4 (1cement :2sand:4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry ,rounding of edges and strips etc but excluding the cost of nosing of steps etc.all complete.. 40mm thick with 20mm nominal size stone aggregate.	30.00	Square meter	362.60	<b>10878.00</b>	INR Ten Thousand Eight Hundred & Seventy Eight Only
43.00	P/f glass strips in floor: Providing and fixing glass strips in joints of cement concrete floors - 40 mm wide and 4 mm thick	100.00	Meter	52.50	<b>5250.00</b>	INR Five Thousand Two Hundred & Fifty Only
44.00	Roof Grading: Grading roof for water proofing treatment with cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 12mm size) with Sika / Fosroc / equivalent type of water proofing compound as direction by Manager-in-charge.	20.00	Cubic meter	5583.80	<b>111676.00</b>	INR One Lakh Eleven Thousand Six Hundred & Seventy Six Only
45.00	Providing steel reinforcement for R.C.C.: Providing steel reinforcement for R.C.C. work including, straightening, cutting, bending, placing in position and binding all complete - For all works Thermo-Mechanically Treated bars of grade Fe-500 / 500D.	20000.00	Kilogram	56.60	<b>1132000.00</b>	INR Eleven Lakh Thirty Two Thousand Only
46.00	Shuttering- foundations, footing: Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete for all heights & all locations	300.00	Square meter	193.95	<b>58185.00</b>	INR Fifty Eight Thousand One Hundred & Eighty Five Only

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47.00	Shuttering- walls any thickness: Centering and shuttering including strutting, propping etc. and removal of form for all heights : walls (any thickness) including attached pilasters,butteresses, plinth and string courses, curved walls, etc. for all heights & all locations	700.00	Square meter	378.60	<b>265020.00</b>	INR Two Lakh Sixty Five Thousand &Twenty Only
48.00	Shuttering- roofs, landings: Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform for all heights & all locations	200.00	Square meter	442.30	<b>88460.00</b>	INR Eighty Eight Thousand Four Hundred & Sixty Only
49.00	Shutterings-lintels, beams: Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers for all heights & all locations	300.00	Square meter	342.90	<b>102870.00</b>	INR One Lakh Two Thousand Eight Hundred & Seventy Only
50.00	Shuttering- columns, pillars: Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts for all heights & all locations	400.00	Square meter	467.85	<b>187140.00</b>	INR One Lakh Eighty Seven Thousand One Hundred & Forty Only
51.00	Fly ash brick masonry-up to plinth level: Brick work with fly ash bricks, in foundation up to plinth : Cement mortar 1:6 (1 cement : 6 sand) including supply of fly ash Bricks	100.00	Cubic meter	5336.00	<b>533600.00</b>	INR Five Lakh Thirty Three Thousand Six Hundred Only
52.00	Fly ash brick masonry- above plinth leve: Brick work with fly ash bricks, in super structure above plinth level up to roof level : Cement mortar 1:6 (1 cement : 6 sand) including supply of fly ash Bricks	100.00	Cubic meter	6167.20	<b>616720.00</b>	INR Six Lakh Sixteen Thousand Seven Hundred & Twenty Only
53.00	Half brick work-In foundation and Plinth: Half brick work with cement mortar 1:4(1cement and 4 coarse sand) In foundation and plinth, including supply of fly ash Bricks	10.00	Square meter	593.50	<b>5935.00</b>	INR Five Thousand Nine Hundred & Thirty Five Only

54.00	Half brick work-In superstructure: Half brick work with cement mortar 1:4(1cement and 4 coarse sand) In super structure upto Floor V level, including supply of fly ash Bricks	10.00	Square meter	684.20	<b>6842.00</b>	INR Six Thousand Eight Hundred & Forty Two Only
55.00	Brick Pitching: Brick Pitching/ Soling/ Brick on edge with Fly ash bricks, filling joints with cement mortar(1:6) including supply of bricks and preparing the surface complete, as per the instruction of Manager-in-charge.	100.00	Square meter	447.45	<b>44745.00</b>	INR Forty Four Thousand Seven Hundred & Forty Five Only
56.00	Pointing on Brick work: Raised and cut pointing on brick work with cement mortar 1:3 (1 cement: 3 fine sand)	50.00	Square meter	188.70	<b>9435.00</b>	INR Nine Thousand Four Hundred & Thirty Five Only
57.00	RR masonry: Random rubble masonry with hard granite stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement:6 coarse sand:12 agg.of 20mm nominal size) at plinth level and finishing with cement mortar 1:6 (1cement: 6 coarse sand)as per specification at all heights complete.	30.00	Cubic meter	3965.85	<b>118975.50</b>	INR One Lakh Eighteen Thousand Nine Hundred & Seventy Five and Paise Fifty Only
58.00	Pointing on Stone work: Pointing on stone work with cement mortar 1:3 (1 Cement:3 coarse sand) Raised and cut pointing	30.00	Square meter	305.70	<b>9171.00</b>	INR Nine Thousand One Hundred & Seventy One Only
59.00	Providing & Fixing Flush door-35mm: Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, including cutting of rebates - 35 mm thick including hinges with necessary screws	10.00	Square meter	2616.70	<b>26167.00</b>	INR Twenty Six Thousand One Hundred & Sixty Seven Only

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60.00	Providing & Fixing Flush door-25mm: Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, including cutting of rebates -25 mm thick including hinges with necessary screws	10.00	Square meter	2256.85	<b>22568.50</b>	INR Twenty Two Thousand Five Hundred & Sixty Eight and Paise Fifty Only
61.00	P/f Curtain Rods: Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate of 20 mm dia, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :	15.00	Meter	359.30	<b>5389.50</b>	INR Five Thousand Three Hundred & Eighty Nine and Paise Fifty Only
62.00	MS Sheet Door frame of Profile B: Providing and fixing pressed steel door frames manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb.	20.00	Meter	340.35	<b>6807.00</b>	INR Six Thousand Eight Hundred & Seven Only
63.00	Providing and fixing MS Flush door: Providing and fixing flush door with 1mm thick M.S. sheet welded on both side with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.: Using M.S. angles 40x40x6 mm for diagonal braces	15.00	Square meter	2870.25	<b>43053.75</b>	INR Forty Three Thousand & Fifty Three and Paise Seventy Five Only
64.00	Repair & refixing of door: Removing of steel door alongwith chowkath & re-fixing the same after necessary repair including making good the walls with plaster & painting etc. as required-all complete.	10.00	NO	1010.55	<b>10105.50</b>	INR Ten Thousand One Hundred & Five and Paise Fifty Only

65.00	Providing and fixing of PVC door frame: Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	10.00	Meter	438.75	<b>4387.50</b>	INR Four Thousand Three Hundred & Eighty Seven and Paise Fifty Only
66.00	Providing and fixing of PVC flush door: 25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures.	10.00	Square meter	2154.75	<b>21547.50</b>	INR Twenty One Thousand Five Hundred & Forty Seven and Paise Fifty Only
67.00	PTMT Handle: Providing and fixing PTMT handles with necessary screws etc. complete. - 125x34x24 mm	5.00	NO	34.40	<b>172.00</b>	INR One Hundred & Seventy Two Only
68.00	PTMT Towerbolt: Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete. 152x42x18 mm	5.00	NO	66.25	<b>331.25</b>	INR Three Hundred & Thirty One and Paise Twenty Five Only

69.00	Providing and fixing of steel glazed win: Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, other fittings, 4 mm thick float glass panes cut to size with special metal sash putty of approved make, priming coat of approved steel primer, complete all as per approved design, (sectional weight of only steel members shall be measured for payment. No extra payment shall considered for glass pans):. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 sand : 6 graded stone aggregate 20 mm nominal size)	100.00	Kilogram	113.60	<b>11360.00</b>	INR Eleven Thousand Three Hundred & Sixty Only
70.00	Providing& Fixing Aluminium work-Fixed: Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, Handles, tower bolt, Hinges, Fastners, Locking arrangements,etc all complete as per the directions of Engineer-in-charge -For fixed portion-Powder coated aluminium	100.00	Kilogram	384.50	<b>38450.00</b>	INR Thirty Eight Thousand Four Hundred & Fifty Only

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71.00	Providing& Fixing Aluminium work-Doors,W: Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make , fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws,Handles,tower bolt, Hinges, Fastners, Locking arrangements,etc all complete as per the directions of Engineer-in-charge - For shutters of doors, windows & ventilators-Powder coated aluminium	100.00	Kilogram	444.90	<b>44490.00</b>	INR Forty Four Thousand Four Hundred & Ninety Only
72.00	Providing& Fixing Aluminium grill: Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Manager-in-charge. (Only weight of grill to be measured for payment).	100.00	Kilogram	408.85	<b>40885.00</b>	INR Forty Thousand Eight Hundred & Eighty Five Only
73.00	Providing and fixing 12 mm thick prelam: Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 , in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge - Pre-laminated particle board with decorative lamination on both sides	30.00	Square meter	866.60	<b>25998.00</b>	INR Twenty Five Thousand Nine Hundred & Ninety Eight Only

74.00	Providing and fixing glazing in aluminium: Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the the directions of Engineer-in-charge - With float glass panes of 4.0 mm thickness	15.00	Square meter	741.50	<b>11122.50</b>	INR Eleven Thousand One Hundred & Twenty Two and Paise Fifty Only
75.00	Providing and fixing glazing in aluminium: Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the the directions of Engineer-in-charge - With float glass panes of 5.5 mm thickness	15.00	Square meter	1003.95	<b>15059.25</b>	INR Fifteen Thousand & Fifty Nine and Paise Twenty Five Only
76.00	Aluminium-Hydraulic door closure: Providing and fixing Aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete as directed by Manager-in-charge.	5.00	NO	388.40	<b>1942.00</b>	INR One Thousand Nine Hundred & Forty Two Only
77.00	Renewing glass panes: Providing and fixing of 4 mm thick float glass pans cut to required size with glazing clips and special metal sash putty of approved make, etc all complete.	150.00	Square meter	637.90	<b>95685.00</b>	INR Ninety Five Thousand Six Hundred & Eighty Five Only
78.00	Providing and Fixing Rolling shutter: Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.: 80x0.9 mm M.S. laths with 0.9 mm thick top cover.	10.00	Square meter	1717.50	<b>17175.00</b>	INR Seventeen Thousand One Hundred & Seventy Five Only
79.00	Rolling shutter-providing and fixing ball: Providing and fixing ball bearing for rolling shutters and making it operational.	15.00	NO	379.30	<b>5689.50</b>	INR Five Thousand Six Hundred & Eighty Nine and Paise Fifty Only
80.00	Rolling shutter - providing and fixing: Extra for providing & fixing mechanical device chain and crank operation for operating rolling shutters.	15.00	Square meter	724.05	<b>10860.75</b>	INR Ten Thousand Eight Hundred & Sixty and Paise Seventy Five Only

81.00	Repairing of Rolling shutter: Removing of Rolling Shutter completely from its fixed position and refixing the same after necessary repairs to the rolling shutter including cleaning, greasing, aligning, straightening, fixing, grouting, repairing , repainting, etc with supplying and fixing of missing fixtures if any required for proper functioning of the shutter.	30.00	Square meter	932.10	<b>27963.00</b>	INR Twenty Seven Thousand Nine Hundred & Sixty Three Only
82.00	Providing and laying Vitrified Floor Til: Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08%, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry including grouting the joints with white cement and matching pigments etc., complete.	50.00	Square meter	1119.40	<b>55970.00</b>	INR Fifty Five Thousand Nine Hundred & Seventy Only
83.00	Providing and laying Kota Stone in floor: Supplying & laying Kota stone slabs 20 mm thick in floors, steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete	50.00	Square meter	1238.20	<b>61910.00</b>	INR Sixty One Thousand Nine Hundred & Ten Only
84.00	Providing and laying granite in flooring: Providing and laying to proper line and level 18mm thick granite stone slabs of suitable colour and size in floors over a bed of 20mm thick base course of cement mortar 1:4 mix (1 cement: 4 sand) including finishing the joint, smooth cleaning polishing etc. all complete. The granite slabs should be of best available quality having good texture and reflective properties.	20.00	Square meter	3113.30	<b>62266.00</b>	INR Sixty Two Thousand Two Hundred & Sixty Six Only

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85.00	Providing & laying Ironite Flooring: 52 mm thick cement concrete flooring with metallic concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick metallic concrete hardener consisting of mix 1:2 (1 cement : 2 stone aggregate 6mm nominal size) by volume with which matallic hardening compound (Uniformly graded iron particles free from non-ferrous metal particles, oil, grease, sand, soluble alkaline compounds) of approved quality is mixed in the ratio 4:1 ( 4 parts of cement : 1 part of metallic floor hardening compound of approve quality.) by weight including cement slurry, rounding of edges, etc in all complete.	50.00	Square meter	555.25	<b>27762.50</b>	INR Twenty Seven Thousand Seven Hundred & Sixty Two and Paise Fifty Only
86.00	Providing & laying Non-skid ceramic glaz: Providing and laying ceramic glazed non-skid floor tiles of minimum size 300x300 mm of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	40.00	Square meter	688.35	<b>27534.00</b>	INR Twenty Seven Thousand Five Hundred & Thirty Four Only
87.00	Providing and fixing acid and / or alkali: Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge. : In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 sand) : acid and / or alkali resistant tile.	50.00	Square meter	1073.35	<b>53667.50</b>	INR Fifty Three Thousand Six Hundred & Sixty Seven and Paise Fifty Only
88.00	Providing 15mm Cement Plaster (1:6): Providing 15 mm thick Cement Plaster in coarse sand of mix: 1:6 (1 cement: 6 coarse sand)	1000.00	Square meter	194.60	<b>194600.00</b>	INR One Lakh Ninety Four Thousand Six Hundred Only
89.00	Providing 12mm Cement Plaster (1:6): Providing 12 mm thick Cement Plaster in coarse sand of mix: 1:6 (1 cement: 6 coarse sand)	1000.00	Square meter	168.25	<b>168250.00</b>	INR One Lakh Sixty Eight Thousand Two Hundred & Fifty Only
90.00	Providing 6 mm Cement Plaster (1:3): Providing 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	100.00	Square meter	143.80	<b>14380.00</b>	INR Fourteen Thousand Three Hundred & Eighty Only

91.00	Providing Neat Cement Punning: Providing Neat Cement Punning	100.00	Square meter	42.60	<b>4260.00</b>	INR Four Thousand Two Hundred & Sixty Only
92.00	Providing cement concrete gola: Providing gola 75x75mm in cement concrete 1:2:4 (1 cement :2 sand : 4 stone aggregate 10mm and down) including finishing with cement mortar 1:3 (1 cement :3 fine sand ) as per standard and design in 75x75mm deep chase.	50.00	Meter	153.00	<b>7650.00</b>	INR Seven Thousand Six Hundred & Fifty Only
93.00	Applying cement slurry wash: Applying one coat of cement slurry wash on wall surface /concrete surface etc. including supply of cement, preparation of the surface ,scaffolding,curing etc.all complete at all elevation	1000.00	Square meter	29.54	<b>29540.00</b>	INR Twenty Nine Thousand Five Hundred & Forty Only
94.00	Providing Plaster of Paris: Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	50.00	Square meter	118.70	<b>5935.00</b>	INR Five Thousand Nine Hundred & Thirty Five Only
95.00	Painting with distemper: Distemping with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification including supply of distemper- Two or more coats	3000.00	Square meter	29.80	<b>89400.00</b>	INR Eighty Nine Thousand Four Hundred Only
96.00	Painting with Cement paint: Finishing walls with water proofing cement paint of required shade including supply of cement paint : Two or more coats	3000.00	Square meter	37.90	<b>113700.00</b>	INR One Lakh Thirteen Thousand Seven Hundred Only
97.00	Painting with weather coat: Providing and applying with premium acrylic smooth exterior paint of approved brand i.e. "Berger Weather coat Long life/ Asian Apex Ultima/ Similar type of required shade including cleaning preparation of surface at all height and location with all work complete as per specification. to give an even shade. (a)Two or more coats including a coat of primer	500.00	Square meter	68.95	<b>34475.00</b>	INR Thirty Four Thousand Four Hundred & Seventy Five Only
98.00	Epoxy Paint-On Steel work: Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface,supply of paints,etc all complete. - On steel work	50.00	Square meter	122.50	<b>6125.00</b>	INR Six Thousand One Hundred & Twenty Five Only

99.00	Epoxy Paint-On Concrete work: Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, supply of all paints etc. all complete. - On Concrete work	50.00	Square meter	124.50	<b>6225.00</b>	INR Six Thousand Two Hundred & Twenty Five Only
100.00	Painting on G.I. sheet: Painting on G.I. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats including a coat of approved steel primer including supply of all paints complete.	250.00	Square meter	84.00	<b>21000.00</b>	INR Twenty One Thousand Only
101.00	Acid proof painting: Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade : Two or more coats, including supply of paints.	50.00	Square meter	85.85	<b>4292.50</b>	INR Four Thousand Two Hundred & Ninety Two and Paise Fifty Only
102.00	Painting enamel paint-Str. Steel: Providing & Painting with synthetic enamel paint of approved brand and manufacture to give an even shade after preparation of the surface : Two or more coats on structural steel works.	200.00	Metric Tonne	2587.20	<b>517440.00</b>	INR Five Lakh Seventeen Thousand Four Hundred & Forty Only
103.00	Painting-enamel paint-door, window, rail: Providing & Painting with synthetic enamel paint of approved brand and manufacture to give an even shade after preparation of surface : Two or more coats for steel doors, windows, rolling shutters, ventilators, railings, etc.	200.00	Square meter	78.40	<b>15680.00</b>	INR Fifteen Thousand Six Hundred & Eighty Only
104.00	Providing and fixing - european type wat: Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	2.00	NO	4593.75	<b>9187.50</b>	INR Nine Thousand One Hundred & Eighty Seven and Paise Fifty Only

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105.00	Providing and fixing - Urinal: Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C. automatic flushing cistern	3.00	NO	3494.15	<b>10482.45</b>	INR Ten Thousand Four Hundred & Eighty Two and Paise Forty Five Only
106.00	Providing and fixing - Wash Basin: Providing and fixing wash basin with C.I. brackets, 15 mm C.P. Brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a 15 mm C.P. brass pillar tap.	3.00	NO	2298.55	<b>6895.65</b>	INR Six Thousand Eight Hundred & Ninety Five and Paise Sixty Five Only
107.00	Providing & fixing PVC cistern: Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	8.00	NO	831.50	<b>6652.00</b>	INR Six Thousand Six Hundred & Fifty Two Only
108.00	Providing & fixing SS Kitchen sink: Providing and fixing Stainless Steel kitchen sink as per IS with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : without drain board 610x510 mm bowl depth 200 mm	2.00	NO	2476.60	<b>4953.20</b>	INR Four Thousand Nine Hundred & Fifty Three and Paise Twenty Only
109.00	Providing and fixing-Beveled edge Mirror: Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board / plain asbestos sheet ground fixed to wooden cleats with C.P. brass screws and washers complete.	5.00	NO	817.95	<b>4089.75</b>	INR Four Thousand & Eighty Nine and Paise Seventy Five Only
110.00	P/f CI waste pipe-75 mm: Providing and fixing 75mm dia sand cast iron S&S soil, waste pipes	15.00	Meter	712.20	<b>10683.00</b>	INR Ten Thousand Six Hundred & Eighty Three Only
111.00	P/f CI waste pipe-100 mm: P/f CI waste pipe-100 mm	20.00	Meter	862.80	<b>17256.00</b>	INR Seventeen Thousand Two Hundred & Fifty Six Only

112.00	P/f joints with spun yarn-75 mm pipe: Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : 75 mm dia pipe	10.00	NO	72.95	<b>729.50</b>	INR Seven Hundred & Twenty Nine and Paise Fifty Only
113.00	P/f joints with spun yarn-100 mm pipe: Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : 100 mm dia pipe	10.00	NO	85.95	<b>859.50</b>	INR Eight Hundred & Fifty Nine and Paise Fifty Only
114.00	P/f lead caulked joints-75 mm pipe: Providing and filling lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm dia.	6.00	NO	263.60	<b>1581.60</b>	INR One Thousand Five Hundred & Eighty One and Paise Sixty Only
115.00	P/f lead caulked joints-100 mm pipe: Providing and filling lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm dia.	8.00	NO	309.95	<b>2479.60</b>	INR Two Thousand Four Hundred & Seventy Nine and Paise Sixty Only
116.00	Providing and fixing bend-75 mm pipe: Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete: 75 mm dia Sand cast iron S&S as per IS - 1729	5.00	NO	271.40	<b>1357.00</b>	INR One Thousand Three Hundred & Fifty Seven Only
117.00	Providing and fixing bend-100 mm pipe: Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete: 100 mm dia Sand cast iron S&S as per IS - 1729	3.00	NO	340.75	<b>1022.25</b>	INR One Thousand & Twenty Two and Paise Twenty Five Only
118.00	P/f GI pipe-15 mm dia-Internal work: Providing and fixing G.I. pipes,bends complete with G.I. fittings and clamps, including cutting and making good the walls etc - on wall-15 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	10.00	Meter	192.40	<b>1924.00</b>	INR One Thousand Nine Hundred & Twenty Four Only
119.00	P/f GI pipe-20 mm dia-Internal work: Providing and fixing G.I. pipes,bends complete with G.I. fittings and clamps, including cutting and making good the walls etc - on wall-20 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	10.00	Meter	231.25	<b>2312.50</b>	INR Two Thousand Three Hundred & Twelve and Paise Fifty Only

120.00	P/f GI pipe-25 mm dia-Internal work: Providing and fixing G.I. pipes,bends complete with G.I. fittings and clamps, including cutting and making good the walls etc - on wall-25 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	256.95	<b>5139.00</b>	INR Five Thousand One Hundred & Thirty Nine Only
121.00	P/f GI pipe-25 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-25 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	214.95	<b>4299.00</b>	INR Four Thousand Two Hundred & Ninety Nine Only
122.00	P/f GI pipe-32 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-32 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	258.25	<b>5165.00</b>	INR Five Thousand One Hundred & Sixty Five Only
123.00	P/f GI pipe-40 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-40 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	313.40	<b>6268.00</b>	INR Six Thousand Two Hundred & Sixty Eight Only
124.00	P/f GI pipe-50 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-50 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	357.50	<b>7150.00</b>	INR Seven Thousand One Hundred & Fifty Only
125.00	P/f GI pipe-65 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-65 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	469.95	<b>9399.00</b>	INR Nine Thousand Three Hundred & Ninety Nine Only

126.00	P/f GI pipe-80 mm dia pipe-External work: Providing and fixing G.I. pipes,bends complete with G.I. fittings including trenching and refilling etc. - External works-80 mm dia nominal bore, including painting of pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.	20.00	Meter	597.50	<b>11950.00</b>	INR Eleven Thousand Nine Hundred & Fifty Only
127.00	P/f GI union-15 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 15 mm nominal bore	10.00	NO	147.75	<b>1477.50</b>	INR One Thousand Four Hundred & Seventy Seven and Paise Fifty Only
128.00	P/f GI union-20 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 20 mm nominal bore	10.00	NO	170.95	<b>1709.50</b>	INR One Thousand Seven Hundred & Nine and Paise Fifty Only
129.00	P/f GI union-25 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 25 mm nominal bore	10.00	NO	205.80	<b>2058.00</b>	INR Two Thousand & Fifty Eight Only
130.00	P/f GI union-32 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 32 mm nominal bore	10.00	NO	240.65	<b>2406.50</b>	INR Two Thousand Four Hundred & Six and Paise Fifty Only
131.00	P/f GI union-40 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 40 mm nominal bore	10.00	NO	298.75	<b>2987.50</b>	INR Two Thousand Nine Hundred & Eighty Seven and Paise Fifty Only
132.00	P/f GI union-50 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 50 mm nominal bore	10.00	NO	384.90	<b>3849.00</b>	INR Three Thousand Eight Hundred & Forty Nine Only
133.00	P/f GI union-65 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 65 mm nominal bore	10.00	NO	617.20	<b>6172.00</b>	INR Six Thousand One Hundred & Seventy Two Only

134.00	P/f GI union-80 mm bore: Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete - 80 mm nominal bore	10.00	NO	698.50	<b>6985.00</b>	INR Six Thousand Nine Hundred & Eighty Five Only
135.00	P/f gate valve-25 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	5.00	NO	428.20	<b>2141.00</b>	INR Two Thousand One Hundred & Forty One Only
136.00	P/f gate valve-32 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	5.00	NO	500.75	<b>2503.75</b>	INR Two Thousand Five Hundred & Three and Paise Seventy Five Only
137.00	P/f gate valve-40 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	5.00	NO	584.70	<b>2923.50</b>	INR Two Thousand Nine Hundred & Twenty Three and Paise Fifty Only
138.00	P/f gate valve-50 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	5.00	NO	749.90	<b>3749.50</b>	INR Three Thousand Seven Hundred & Forty Nine and Paise Fifty Only
139.00	P/f gate valve-65 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 65 mm nominal bore	5.00	NO	1286.80	<b>6434.00</b>	INR Six Thousand Four Hundred & Thirty Four Only
140.00	P/f gate valve-80 mm bore: Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 80 mm nominal bore	5.00	NO	1919.50	<b>9597.50</b>	INR Nine Thousand Five Hundred & Ninety Seven and Paise Fifty Only
141.00	P/f CP Brass shower: Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	3.00	NO	71.65	<b>214.95</b>	INR Two Hundred & Fourteen and Paise Ninety Five Only
142.00	P/f CP Brass - Bib cock: Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	10.00	NO	371.70	<b>3717.00</b>	INR Three Thousand Seven Hundred & Seventeen Only

143.00	P/f CP Brass long body Bib cock-15 mm bo: Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards - 15 mm nominal bore	10.00	NO	492.55	<b>4925.50</b>	INR Four Thousand Nine Hundred & Twenty Five and Paise Fifty Only
144.00	P/f CP Brass long body Stop cock-15 mm b: Providing and fixing C.P. brass stop cock of standard design and of approved make conforming to IS - 15 mm nominal bore	10.00	NO	545.95	<b>5459.50</b>	INR Five Thousand Four Hundred & Fifty Nine and Paise Fifty Only
145.00	P/f CP Brass - Pillar cock: Providing and fixing CP brass pillar cock 15mm nominal bore of approved quality	10.00	NO	267.17	<b>2671.70</b>	INR Two Thousand Six Hundred & Seventy One and Paise Seventy Only
146.00	P/f CP Brass extension nipple.: Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality.	10.00	NO	58.10	<b>581.00</b>	INR Five Hundred & Eighty One Only
147.00	P/f PTMT Bib cock: Providing and fixing PTMT bib cock of approved quality and colour - 15 mm nominal bore, 122mm long.	10.00	NO	143.95	<b>1439.50</b>	INR One Thousand Four Hundred & Thirty Nine and Paise Fifty Only
148.00	P/f PTMT Stop cock: Providing and fixing PTMT stop cock of approved quality and colour - 15 mm nominal bore, 86 mm long.	10.00	NO	103.30	<b>1033.00</b>	INR One Thousand & Thirty Three Only
149.00	P/f PTMT angle Stop cock: Providing and fixing PTMT angle stop cock - 15 mm nominal bore.	10.00	NO	134.65	<b>1346.50</b>	INR One Thousand Three Hundred & Forty Six and Paise Fifty Only
150.00	P/f PTMT shower: Providing and fixing PTMT swivelling shower, 15 mm nominal bore.	10.00	NO	100.70	<b>1007.00</b>	INR One Thousand & Seven Only
151.00	P/f PTMT Pillar cock: Providing and fixing PTMT pillar cock of approved quality and colour - 15 mm nominal bore, 107 mm long.	10.00	NO	168.90	<b>1689.00</b>	INR One Thousand Six Hundred & Eighty Nine Only

152.00	P/f PTMT Push cock: Providing and fixing PTMT, push cock of approved quality and colour - 15 mm nominal bore, 98 mm long.	10.00	NO	91.70	<b>917.00</b>	INR Nine Hundred & Seventeen Only
153.00	P/f PTMT grating-100 mm dia: Providing and fixing PTMT grating of approved quality and colour -Circular type-100 mm nominal dia	10.00	NO	32.75	<b>327.50</b>	INR Three Hundred & Twenty Seven and Paise Fifty Only
154.00	Providing and fixing CPVC Pipes-15 mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls/ laying outside work etc - for 15 mm nominal outer dia Pipes	30.00	Meter	246.20	<b>7386.00</b>	INR Seven Thousand Three Hundred & Eighty Six Only
155.00	Providing and fixing CPVC Pipes-20 mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls/ laying outside work etc - for 20 mm nominal outer dia Pipes	30.00	Meter	284.85	<b>8545.50</b>	INR Eight Thousand Five Hundred & Forty Five and Paise Fifty Only
156.00	Providing and fixing CPVC Pipes-25mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls/ laying outside work etc - for 25 mm nominal outer dia Pipes	30.00	Meter	333.60	<b>10008.00</b>	INR Ten Thousand & Eight Only

157.00	Providing and fixing CPVC Pipes-32 mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls/ laying outside work etc - for 32 mm nominal outer dia Pipes	30.00	Meter	250.55	<b>7516.50</b>	INR Seven Thousand Five Hundred & Sixteen and Paise Fifty Only
158.00	Providing and fixing CPVC Pipes-40 mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls / laying outside work etc - for 40 mm nominal outer dia Pipes	30.00	Meter	321.15	<b>9634.50</b>	INR Nine Thousand Six Hundred & Thirty Four and Paise Fifty Only
159.00	Providing and fixing CPVC Pipes-50 mm: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge for Concealed work, including cutting chases and making good the walls / laying outside work etc - for 50 mm nominal outer dia Pipes	30.00	Meter	484.25	<b>14527.50</b>	INR Fourteen Thousand Five Hundred & Twenty Seven and Paise Fifty Only
160.00	Providing and fixing P.V.C. waste pipe: Providing and fixing P.V.C. waste pipe for sink or wash basin / urinal including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	5.00	NO	73.25	<b>366.25</b>	INR Three Hundred & Sixty Six and Paise Twenty Five Only
161.00	Providing and fixing uplasticsised PVC co: Providing and fixing uplasticsised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	5.00	NO	67.80	<b>339.00</b>	INR Three Hundred & Thirty Nine Only

162.00	P/f PVC soil waste pipe: Providing/Laying/fixing of unplasticised Rigid PVC soil,weste, vent pipes, including jointing with seal ring conforming to IS , leaving 10 mm gap for thermal expansion-Single socketed pipes 110 mm dia	5.00	NO	236.35	1181.75	INR One Thousand One Hundred & Eighty One and Paise Seventy Five Only
163.00	P/f PVC Rain water Pipes: Providing and fixing on wall face unplasticised Rigid PVC rain water pipes, including clamping to walls,providing & fixing shoes/bends at bottom, jointing with seal ring, leaving 10 mm gap for thermal expansion,-110 mm diameter	70.00	Meter	236.35	16544.50	INR Sixteen Thousand Five Hundred & Forty Four and Paise Fifty Only
164.00	P/f PVC shoe: Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS - 110mm Shoe.	15.00	NO	98.00	1470.00	INR One Thousand Four Hundred & Seventy Only
165.00	Providing and placing - HDPE Water Tank: Providing and placing on terrace (at all floor levels) Circular polyethylene water storage tank / HDPE tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes, all fittings, complete.	500.00	Liter	7.25	3625.00	INR Three Thousand Six Hundred & Twenty Five Only
166.00	Providing and laying RCC Pipes- 150 mm : Providing and laying non pressure 150mm dia NP2 class (light duty) RCC pipes with collars jointed with spun yarn caulking and stiff mixture of cement mortar in proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete as directed by Manager-in-charge.	20.00	meter	356.70	7134.00	INR Seven Thousand One Hundred & Thirty Four Only
167.00	Providing and laying RCC Pipes- 250 mm: Providing and laying non pressure 250mm dia NP2 class (light duty) RCC pipes with collars jointed with spun yarn caulking and stiff mixture of cement mortar in proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete as directed by Manager-in-charge.	20.00	meter	482.05	9641.00	INR Nine Thousand Six Hundred & Forty One Only
168.00	Providing and laying RCC NP-3 Pipes 600: Providing and laying manually / mechanically Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 600 mm dia RCC pipes.	50.00	meter	2517.85	125892.50	INR One Lakh Twenty Five Thousand Eight Hundred & Ninety Two and Paise Fifty Only

169.00	Providing and laying RCC NP-3 Pipes 900: Providing and laying manually/mechanically Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 900 mm dia RCC pipes.	10.00	meter	3964.45	<b>39644.50</b>	INR Thirty Nine Thousand Six Hundred & Forty Four and Paise Fifty Only
170.00	Providing and laying RCC NP-3 Pipes 1000: Providing and laying manually/mechanically Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1000 mm dia RCC pipes.	10.00	meter	4905.35	<b>49053.50</b>	INR Forty Nine Thousand & Fifty Three and Paise Fifty Only
171.00	Providing and laying RCC NP-3 Pipes 1200: Providing and laying manually/mechanically Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1200 mm dia RCC pipes.	10.00	meter	6457.85	<b>64578.50</b>	INR Sixty Four Thousand Five Hundred & Seventy Eight and Paise Fifty Only
172.00	Structural Steel- Supply, Fabrication: Supplying, fabricating and erection of structural steel work from angles, channels, beams, flats, sheets,etc, riveted, bolted or welded in built up sections, trusses and framed work,insert plates, MS gratings, MS grills/door frame/door etc for all type of works i.e. in supporting structures/over head crossings / pipe pushings/thruoct blocks/MS pontoons/work inside barge, including transportation to work site from plant / fabricating yard. Also including cutting, hoisting, fixing in position, welding and applying a priming coat of approved steel primer all complete.	20.00	Metric Tonne	67600.00	<b>1352000.00</b>	INR Thirteen Lakh Fifty Two Thousand Only
173.00	Structural Steel - Fabrication: Fabrication of steel structure in single or built up sections made out of all types of steel sections including carting from NALCO store, cutting, welding, grinding, brushing, cleaning the surface and applying a priming coat of approved steel primer (red oxide zinc chromate of Asian/ Berger make), return of surplus, scrap steel to NALCO stores/ scrap yard etc including the cost of all transportation, labour, consumables, tools etc., all complete at any elevation as per the specifications and direction of the Manager-in-charge.	5.00	Metric Tonne	8899.00	<b>44495.00</b>	INR Forty Four Thousand Four Hundred & Ninety Five Only

174.00	Structural Steel - Erection: Erection of steel structure in single or built up sections made out of all types of steel sections including the cost of welding, bolting, consumables, labour, tools, hoisting arrangement, transportation, cutting grooves/holes for proper alignment etc all complete at any elevation as per the specifications and direction of the Manager-in-charge.	5.00	Metric Tonne	4792.00	<b>23960.00</b>	INR Twenty Three Thousand Nine Hundred & Sixty Only
175.00	Dismantling, shifting and re-erecting of: Dismantling, shifting and re-erecting of Equipments/structures as per direction of MIC. Item includes removing, cutting,shifting to designated position, welding, bloting, refixing,etc all complete as directed by MIC. Scope includes all material /consumables/ machinery to make the work complete in all respect.	75.00	Metric Tonne	10788.00	<b>809100.00</b>	INR Eight Lakh Nine Thousand One Hundred Only
176.00	Providing and fixing Hand railing- M.S t: Providing and fixing hand rail of approved design and size by cutting and welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer -with M.S. tube	200.00	Kilogram	92.00	<b>18400.00</b>	INR Eighteen Thousand Four Hundred Only
177.00	Providing and fixing Hand railing-G.I. p: Providing and fixing hand rail of approved design and size by cutting and welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer- with G.I. pipes.	200.00	Kilogram	100.25	<b>20050.00</b>	INR Twenty Thousand & Fifty Only
178.00	Providing and fixing Hand railing-S S pi: Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size. ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	200.00	Kilogram	472.40	<b>94480.00</b>	INR Ninety Four Thousand Four Hundred & Eighty Only
179.00	Providing & fixing GS Ridge: Providing & fixing ridges or hips of width 60 cm overall width plain G.S. Sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers, all complete.: 0.80 mm thick with zinc coating	50.00	Meter	608.35	<b>30417.50</b>	INR Thirty Thousand Four Hundred & Seventeen and Paise Fifty Only

180.00	Providing & fixing GS Roofing: Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.: 0.8 mm thick with zinc coating	50.00	Square meter	818.95	<b>40947.50</b>	INR Forty Thousand Nine Hundred & Forty Seven and Paise Fifty Only
181.00	Providing & fixing pre coated GI profile: Providing and fixing precoated galvanized iron profile sheets of TATA Bluescope LYSAGHT TRIMDEK 1015 or equivalent including Ridges plain (upto 600mm)/ Flashings/ Aprons (Upto 600 mm)/ Barge board (Upto 300 mm) etc. The sheets shall be manufactured as per IS 15961. Total coated thickness and Total Painted thickness of the sheets shall be 0.50 mm and 0.53 mm respectively. The Sheets should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 6 metre. The sheets shall have brand mark at regular intervals on the reverse side of profile including name of the profile. The sheet shall be fixed using self drilling /self tapping steel screws of Hilti/Tata Bluescope/ Jindal stainless steel of size (5.5x 55 mm) with EPDM seal, all complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape, sealing of openings/ holes wherever required for all elevation as per specifications and directions of Manager-in-charge.	50.00	Square meter	550.40	<b>27520.00</b>	INR Twenty Seven Thousand Five Hundred & Twenty Only
182.00	Providing & Fixing anchor and fastner: Procurement & fixing of Anchor fastener : Anchor fasteners of different size are to be procured & fixed at different required locations, as per instruction of MIC.	100.00	NO	23.44	<b>2344.00</b>	INR Two Thousand Three Hundred & Forty Four Only
183.00	Providing and fixing-Holding Down Bolts: Providing and fixing mild steel round holding down bolts of required diameter / sizes with nuts , washer plates, anchor plates, fixing the same in required locations with templates,etc all complete.	100.00	Kilogram	68.00	<b>6800.00</b>	INR Six Thousand Eight Hundred Only

184.00	Providing and laying water proofing trea: Providing and laying water proofing treatment with self adhesive flash strip Lafarge/STP or equivalent over roof of RCC, AC & CGI sheets etc. in position including over lapping adjoining surfaces by 15mm as direction of Manager-in-charge.	1500.00	Square meter	727.93	<b>1091895.00</b>	INR Ten Lakh Ninety One Thousand Eight Hundred & Ninety Five Only
185.00	Supplying & fixing barbed concertina: Supplying and fixing of 600mm dia reinforced punched barbed concertina with a stretched up length of 8.0Meter and having 50 nos. of turns in each concertina including all accessories, joining with galvanized special "U" clips for all heights all complete as per direction of EIC.	500.00	Meter	466.58	<b>233290.00</b>	INR Two Lakh Thirty Three Thousand Two Hundred & Ninety Only
186.00	Providing and fixing false ceiling with: Supplying and fixing Armstrong acquastic mineral fibre board false ceiling system with Ultima Microlook / BEVD TEG 20mm thick 600x600 mm size placed on hook suspension grid system with silhouette grid with web height of 38mm and 24mm wide tee section (prelude) including main runner to be fixed with 2mm thick prestretched GI wirw from main roof to be fixed at 1200mm c/c and fixing light fixture, speakers, AC grills, etc including dismantling existing damaged ceilings if any complete as per the direction of MIC.	100.00	Square meter	1946.18	<b>194618.00</b>	INR One Lakh Ninety Four Thousand Six Hundred & Eighteen Only
187.00	P/a sika mono top: Providing and applying sika mono top-122 F / Sika top 122HS or equivalent for repairing of spalling concrete in various structures like beam, column etc for patch repairing including chipping, cleaning the surface etc. complete as directed by Manager-in-charge.	5.00	Kilogram	89.76	<b>448.80</b>	INR Four Hundred & Forty Eight and Paise Eighty Only
188.00	P/a bonding between old and new concrete: Providing and applying sikadur 32 / Nitobond EP Std of Fosroc / Dr.Fixit 301 Pidicrete URP or equivalent for bonding between old & new concrete to be used as per manufacturers specifications.	5.00	Kilogram	856.30	<b>4281.50</b>	INR Four Thousand Two Hundred & Eighty One and Paise Fifty Only
189.00	P/a curing compound: Providing and applying curing compound ANTISOL-EWP of Sika or equivalent as per manufacturers specifications.	5.00	Liter	174.02	<b>870.10</b>	INR Eight Hundred & Seventy and Paise Ten Only
190.00	P/l non metallic floor hardner: Providing and laying non metallic floor hardener Sika Chapdur or equivalent as per manufacturers specifications.	5.00	Kilogram	32.62	<b>163.10</b>	INR One Hundred & Sixty Three and Paise Ten Only

191.00	P/a bonding agent: Supplying and applying bonding agent Sika Latex or equivalent as per manufacturer's specifications.	5.00	Kilogram	375.58	<b>1877.90</b>	INR One Thousand Eight Hundred & Seventy Seven and Paise Ninety Only
192.00	P/a accelerating admixture: Supplying and applying accelerating admixture Sika rapid-1 of Sika or equivalent as per manufacturers specifications.	5.00	Kilogram	114.44	<b>572.20</b>	INR Five Hundred & Seventy Two and Paise Twenty Only
193.00	P/a water proofing admixture: Supplying and applying waterproofing admixture plasto crete plus of Sika / Nitocote CM210 of Fosroc or equivalent as per manufacturers specifications & procedure.	5.00	Kilogram	163.81	<b>819.05</b>	INR Eight Hundred & Nineteen and Paise Five Only
194.00	Pressure Grouting in concrete structures: Grouting of voids in concrete structures with cement slurry of required proportion and construction chemical of SIKA/ Latex/ BASF/ Fosroc by pressure grouting as per manufacturers specification for sealing of voids in the concrete as per the standard procedure including opening out the grouting points, inserting and fixing of nozzle pipes of required diameter including supply of nozzles, staging to all depths & heights and finishing the concrete surface after the grouting is completed. Providing cement and required chemical are in the scope of the agency.	50.00	NO	540.99	<b>27049.50</b>	INR Twenty Seven Thousand & Forty Nine and Paise Fifty Only
195.00	Lettering with paint: Lettering with synthetic enamel paint of approved shade, brand and manufacture, including supply of paints. (Unit of measurement shall be per letter per cm height)	1000.00	Letter per centimeter height	2.70	<b>2700.00</b>	INR Two Thousand Seven Hundred Only
196.00	Cleaning of Septic Tank: Cleaning of septic tanks by manually or by pumping out/removal of the sludge and sewage with mechanically operated vacuum based septic tank cleaner including disposal of sludge far away suitably from the collection area by mechanical transportation using covered tanks without disturbing the public life etc. complete as per the direction of the Engineer-in-charge.	600.00	Cubic meter	76.95	<b>46170.00</b>	INR Forty Six Thousand One Hundred & Seventy Only

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197.00	Dismantling structural work: Dismantling steel work/structural work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead. Scope includes dismantling work from all heights and location and returning to designated places including loading, unloading, transportation all complete.	500.00	Kilogram	2.40	<b>1200.00</b>	INR One Thousand Two Hundred Only
198.00	Dismantling of RCC: Demolishing/Demolishing of R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 100 metres lead as per direction of MIC.	15.00	Cubic meter	1454.55	<b>21818.25</b>	INR Twenty One Thousand Eight Hundred & Eighteen and Paise Twenty Five Only
199.00	Dismantling of PCC: Dismantling/Demolishing of PCC (Plain Cement Concrete) works manually / by mechanical means including stacking of serviceable material & disposal of unserviceable material, debris etc. within a lead of 100m as per the direction of MIC.	15.00	Cubic meter	615.15	<b>9227.25</b>	INR Nine Thousand Two Hundred & Twenty Seven and Paise Twenty Five Only
200.00	Demolishing Brick work: Demolishing Brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 100 metres lead as per direction of MIC.	20.00	Cubic meter	842.75	<b>16855.00</b>	INR Sixteen Thousand Eight Hundred & Fifty Five Only
201.00	Dismantling of RR masonry works: Dismantling/demolishing of R R masonry/Stone pitching/etc works manually / by mechanical means including stacking of serviceable material & disposal of unserviceable material, debris etc. within a lead of 100 m as per the direction of MIC.	10.00	Cubic meter	1005.70	<b>10057.00</b>	INR Ten Thousand & Fifty Seven Only
202.00	Dismantling of Plastering works: Dismantling/demolishing of Old plaster/skirting including raking out joints & cleaning the surface for plaster manually / by mechanical means including stacking of serviceable material & disposal of unserviceable material, debris etc. within a lead of 100 m as per the direction of MIC.	50.00	Square meter	22.40	<b>1120.00</b>	INR One Thousand One Hundred & Twenty Only
203.00	Dismantling tile work: Dismantling tile work in floors/walls/Skirting/etc including disposal of unserviceable material up to 100 meters lead.	50.00	Square meter	31.55	<b>1577.50</b>	INR One Thousand Five Hundred & Seventy Seven and Paise Fifty Only

204.00	Dismantling doors, windows: Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. of all size complete and stacking within 50 metres lead	10.00	NO	216.40	<b>2164.00</b>	INR Two Thousand One Hundred & Sixty Four Only
205.00	Dismantling of PVC rain water pipe: Dismantling of CI/AC/PVC rain water pipe/ waste pipe Up to 150mm dia pipe with fittings, clamps and stacking at owner's store as directed.	50.00	Meter	32.90	<b>1645.00</b>	INR One Thousand Six Hundred & Forty Five Only
206.00	Dismantling of flushing cistern: Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	4.00	NO	391.20	<b>1564.80</b>	INR One Thousand Five Hundred & Sixty Four and Paise Eighty Only
207.00	Dismantling of Roofing: Dismantling roofing (GI /AC/ translucent sheets) including ridges, hips, varies and gutters etc. and stacking the materials at departmental store including transportation etc. all complete as directed for all heights.	50.00	Square meter	70.10	<b>3505.00</b>	INR Three Thousand Five Hundred & Five Only
208.00	Dismantling of fixed glazing and false: Dismantling aluminum/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge	100.00	Square meter	24.30	<b>2430.00</b>	INR Two Thousand Four Hundred & Thirty Only
209.00	Cleaning of Clariflocculator: Cleaning of Clariflocculator including sludge tank, stilling chamber, Parshall flume under & flash mixture. The following activities needs to be carried out for cleaning the same. (1) Removal of water from Clariflocculator through sludge removal pumps (2) any balance residual sludge /slurry deposit after de-watering through sludge line to be removed with the help of dewatering pumps (3) removal of deposited sludge inside the base of the clariflocculator, central shaft, stilling chamber, Parshall flume under & flash mixture (4) cleaning of any algie deposit on the RCC walls of the above structures (5) The structure of rotating bridge to be neatly cleaned (6) the removed sludge to be disposed suitably as per the direction of MIC. During cleaning process pressurised water jet to be used for effective removal of sludge if necessary. The rate includes engagement of all necessary equipments / scaffoldings / transporting for sludge disposal, etc , dewatering pumps, labours, tools & tackles.	1.00	LOT	98862.32	<b>98862.32</b>	INR Ninety Eight Thousand Eight Hundred & Sixty Two and Paise Thirty Two Only

Total in Figures	<b>26205785.77</b>	INR Two Crore Sixty Two Lakh Five Thousand Seven Hundred & Eighty Five and Paise Seventy Seven Only
Quoted Rate in Figures		Select
Quoted Rate in Words	<b>INR Zero Only</b>	

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