

NOTICE INVITING TENDER (NIT)

NIT No: SMLT/T&C/S20/OMC-6116/NIT/5424

DATE: 12.08.2026

Sub: Miscellaneous Civil Maintenance Works of Smelter Plant for the year: 2026-28.

Designation - AGM (Chemical)

Tender Inviting Authority

Tender & Contract Dept., Smelter Plant

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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

2. GeM-Procurement

- 2.2 The bidder wishes to participate in the published tender should have his firm registered in the GeM portal. Accordingly, bidder should do the registration in the tender site <http://gem.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. SMELTER-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 GeM Portal (www.gem.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.gem.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, SMLETER, NALCO, Angul-759145 (Odisha) by Speed Post/By Hand before the due date & time of bid opening.

4.9.1 Earnest Money Deposit (EMD) (Refer Clause no. 4.0 of Annexure-A1 & Format for BG-EMD is available at **Annexure-C12**)

4.9.2 Tender Fee (In case of Open/LTE/Single/Proprietary, Tender Fee is not applicable)

NB:- Earnest Money Deposit(EMD) is a prerequisite, otherwise the Tender will be normally rejected. Earnest Money Deposit (EMD) may be submitted in the account details of respective Unit of NALCO as available at 4.0 of NIT. **However, the bidder may submit attested copy of certificate such as NSIC / MSME / other category for Earnest Money Deposit (EMD) exemption.**

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

4.9.4 Affidavit in Original towards Litigation History (**Annexure-C22**) duly signed after the NIT publication date.

4.9.5 Bid submission conformation page from GeM System Government of India

4.9.6 Internet Bank Mandate along with Cancelled Cheque (all in original) as per Annexure-C10.

4.9.7 The party, if registered with NSIC/MSME, then they should submit the documentary proof of the same mandatorily.

Copy of all these above documents are also required to be uploaded in GeM Portal along with Bid documents.

4.10 Clarifications, if any, regarding this tender can be obtained from the undersigned through mail or phone no. at Pg-8 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. [Not applicable for this tender]

4.13 It is mandatory for the bidder to fill up the **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 GeM 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.gem.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 normally one chance under GeM 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 turnover of the bidder during the last three Financial Years, then the price bid of such a bidder shall not be recommended for opening as the bidder may not have adequate resources to execute the tendered work.~~ **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. [Not applicable for this tender]**
- 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, against application submitted by Main Contractor, needs to be submitted along with the 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.

Designation - AGM(Chemical)

Tender Inviting Authority

Tender & Contract Dept., Smelter Plant

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ANNEXURE-A1

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.**~~ **[Not applicable for this tender]**

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	10657908114	10657908589

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 (OMC-_____) 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-C12**) 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 Earnest Money Deposit (EMDBG), Performance Guarantee Bond (PGB), Security deposit (SDBG), Free Issue Material (FIMBG), Advance BG (ADVBG) Performance Bank Guarantee (PBG), 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 Conformation 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 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.

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.gem.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 GeM web site (www.gem.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.gem.gov.in website.
- 7.8 Bidders are advised to submit complete set of Tender documents along with ANNEXURE-B4 & ANNEXURE-C3 etc. under GeM 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 statement 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 Financial implications of the agreed deviation as per assessment of NALCO will be loaded on the price quoted by the bidder. Deviation not accepted by NALCO will have to be withdrawn by the bidder otherwise such bids may be disqualified/rejected.
- 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 tender 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**.
- 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.
- 11.6 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 Odisha 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/SPO or before the effective date mentioned in the Service Purchase Order whichever is later.
- 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 10th 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 10th of subsequent month without any further intimation.
- 17.4 If the date of payment is beyond 10th 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 & Co₂ 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 SI 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-C10 & Annexure-C15**).

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, 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. EMD of such tenderer, who refuses to justify their quoted rate shall be forfeited.
- 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 GeM 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 adequate supervision of experienced and qualified personnel 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 SECURITY DEPOSIT:

- 24.1 On receipt of the order, the successful bidder shall deposit with NALCO an amount, equivalent to 10% of the order value of the contract as security deposit (SD) within 20 days from the effective date, mentioned in Service Purchase Order / LOA / LOI.
- 24.2 Alternatively, successful bidder can deposit Initial Security Deposit (ISD) amounting 2.5% of the contract value, within 20 days from effective date, mentioned in Service Purchase Order / LOA / LOI. In this case, the balance amount of the security deposit shall be recovered through deductions from RA bills in installments through deductions @ 10% from gross RA bill of contract value till total SD is collected.
- 24.3 In case the successful bidder fails to submit the ISD / SD, within scheduled date, the amount along with a simple interest @12% per annum plus GST on interest amount, applicable from the schedule date till the date of submission or full recovery amount shall be made starting from 1st RA bill.
- 24.4 The contractor can submit the security deposit in the form of either bank draft or bank guarantee from any NALCO approved bank in the prescribed format (**Annexure-C13**)
- 24.5 The Earnest Money Deposited, except in the form of BG along with the tender, if any shall be adjusted towards security deposit / as per clause no 19.4 of GCC
- 24.6 The security deposit 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 contractor 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.

25.4 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 Odisha 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 nth 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 Vendor/Party categorised/designated as "specified person" under Section 206AB of Income Tax Act, 1961, shall be liable for TDS at higher rate as provide 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.

26.4 The RA Bill (in duplicate) will be accompanied by

26.4.1 Joint Measurement Sheet signed by Contractor & EIC/MIC.

26.4.2 R.A. Bill Form signed by Contractor & EIC/MIC.

26.4.3 Human Resource Dept. (HRD) Clearance (if applicable)

26.4.4 Safety Certificate in 1st RA Bill issued by Safety Dept

26.4.5 Any other document required by EIC/MIC or as per directive from statutory authorities.

26.4.6 Deviation statement once the executed value reaches 80% of the Order value.

- 26.5 Similarly, in addition to above the Final Bill (in quadruplicate) will be accompanied by
- 26.5.1 Material Reconciliation Statement for Free Issue Material, (if applicable)
 - 26.5.2 Stores Issue Voucher, Stores Return Voucher, Material Transfer Voucher if any.
 - 26.5.3 No claim certificate duly signed by the contractor. **(Annexure-C28)**
 - 26.5.4 No due certificate from suggested by MIC. **(Annexure-C28)**
 - 26.5.5 Work Completion certificate from EIC/MIC. **(Annexure-C29)**
 - 26.5.6 Deviation Statement
 - 26.5.7 Handing over / taking over certificate (wherever applicable)
 - 26.5.8 Satisfactory commissioning protocol (wherever applicable)
 - 26.5.9 Royalty clearance certificate (wherever applicable)
 - 26.5.10 Electrical License (if required)
 - 26.5.11 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.
 - 26.5.12 Anti-Profitteering Declaration Format.
 - 26.5.13 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.

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 not 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.

27.10 Mobilisation Advance: Not applicable for this contract.

27.10.1 The Rate of Interest applicable on Mobilisation Advance shall be made variable instead of fixed for entire tenure of contract, as prevailing at present.

27.10.2 The Rate of Interest applicable on balance amount of Mobilisation Advance, applicable for the financial year shall be fixed to MCLR (1-year-tenor) or SBI declared in the month of April of that financial year plus 1%.

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 half yearly through online assessment system by the respective Managers-in-Charges for the works being executed at site / at party's premises.
- 33.4.2** Half-yearly 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 Six-monthly 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 delistment 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 1st stage of closure. Successful completion of Defect Liability Period and Performance Guarantee Period is the 2nd Stage of closure. Settlement of all outstanding payables and receivables is the 3rd 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** 1st stage - Submission of Final Bill, and Performance Guarantee Bond (PGB) maximum within 3 months from the end date of contract period.
- 36.2.2** 2nd 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** 3rd 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:

38.0 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 .

- 39.0** 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.
- 40.0** 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.

ANNEXURE-A2**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 Contactor.
- 5- The Contactor 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 CO2, 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)**

PARTS TO BE PROTECTED	PERSONAL PROTECTIVE EQUIPMENT	PROTECTION AGAINST	REMARKS
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/SMELTER 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

1	<u>CARBON AREA</u> - Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 OR its equivalent. - For Bake Oven area Industrial Safety Shoes with 4" ankle height having Nitrile sole as per IS 15298 Part-II -2002 or its equivalent. - Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent. - Safety Helmet as per IS 2925:1984, material-HDPE. - Full body harness as per IS 3521 or its equivalent. - Cotton / Leather Hand Gloves as per latest IS mark or its equivalent - Dust / Mist Respirator shall be FFP2 SL Class as per IS: 9473-2002 or its equivalent. - Apron (Pin repair Shop) - Head Cover & Apron (Coke & Pitch handling area) - Pitch / Fume respirator as per IS 14166:1994 or its equivalent. - Safety Helmet with visor as per latest IS or its equivalent {for induction furnace & ladle cleaning of RS (O)}. - Safety goggle with blue glass as per latest IS or its equivalent {for induction furnace & ladle cleaning of RS (O)} - Special nose mask against fumes & odour as per latest IS or its equivalent for Baking Furnace.	5	<u>POT LINE (Mechanical & Operation)</u> - Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 or its equivalent. - Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent. - Safety Helmet as per IS 2925:1984, material HDPE. - Safety Goggles as per IS 5983 or its equivalent. - HF Nose Mask shall be FFP2 SL as per IS 9473-2001 or its equivalent. - Cotton / Leather Hand Gloves as per latest IS mark or its equivalent. - Safety helmet with visor as per latest IS or its equivalent. - Ear Plug / Muff as per latest IS or its equivalent. - Apron, Leg Guard as per latest IS or its equivalent. - Full body harness as per IS 3521 or its equivalent
2	<u>CIVIL WORK</u> - Protective Footwear as per latest IS mark or its equivalent (Ladies & Gents). - Safety Helmet as per IS 2925:1984, material HDPE. - Dust / Mist Respirator shall be FFP2 SL class as per IS: 9473-2002 or its equivalent. - Hand Gloves - Full body harness as per IS 3521 or its equivalent - Safety Net as per latest IS mark.	6	<u>HORTICULTURE WORK</u> - Protective Footwear as per latest IS mark or its equivalent (Ladies & Gents). - Safety Helmet as per IS 2925:1984, material HDPE - Safety Goggles as per IS 5983. - Dust / Mist Respirator shall be FFP2 SL class as per IS:9473-2002 - Cotton Hand Gloves & Rubber Hand Gloves as per latest IS mark. - Organic vapor nose mask as per latest IS mark or its equivalent. - Full body harness as per IS 3521 or its equivalent
3	<u>CAST HOUSE (Mechanical & Operation) & Rolling Plant</u> - Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 2-2002 or its equivalent. - Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent - Safety Helmet as per IS 2925:1984, material HDPE - Safety Goggles as per IS 5983 or its equivalent. - Cotton / Leather Hand Gloves - Dust / Mist Respirator - Leather Leg Guard - Helmet with Visor (Skimming Area) - Apron (Direct Sow Casting Area & Ingot Skimming Station) - Ear Plug / Muff (Billet Casting Area) of latest IS mark. - Full body harness as per IS 3521 or its equivalent - Safety helmet with visor as per latest IS or its equivalent	7	<u>MISCELLANEOUS WORK</u> <u>MES, CRS, CENTRAL STORES, LAB, UTILITY & DESPATCH, FINANCE, PLANT HRD & ADMINISTRATION.</u> Safety Helmet as per IS 2925:1984, material HDPE - Industrial Safety Shoes as per IS 15298 Part 2-2002/ or its equivalent/Protective Footwear as per latest IS mark or its equivalent (Ladies & Gents). - Safety Goggles as per IS 5983. - Cotton / Leather Hand Gloves - Ear muff/Ear plug (Utility) of latest IS mark or its equivalent. - Dust / Mist Respirator shall be FFP2 SL class as per IS: 9473-2002. - Rubber / Surgical hand gloves (for acid / alkali use and at the time of chemical analysis) Lab. - Full body harness as per IS 3521 or its equivalent - Safety helmet with visor as per latest IS or its equivalent
4	<u>ELECTRICAL WORKS</u> - Industrial Safety Shoes with 4" ankle height as per IS 15298 or its equivalent. - Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent. - Safety Helmet as per IS 2925:1984, material HDPE or its equivalent - Safety Goggles of latest IS mark or its equivalent. - Rubber Hand Gloves (for 6.6 / 11 KV test) as per latest IS or its equivalent. - Dust / Mist Respirator of latest IS mark or its equivalent. - Full body harness as per IS 3521 or its equivalent.		

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

1.	<u>MECHANICAL AREA</u> (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 per latest IS or its equivalent. (vii) Boiler Suit/Apron.	6.	<u>POWER HOUSE OPERATION:</u> (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
2.	<u>CIVIL WORK</u> (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	7	<u>HORTICULTURE WORK</u> (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 & Rubber Hand Gloves as per latest IS mark. (vi) Full body harness as per IS 3521 or its equivalent.
3.	<u>CHP WORK</u> (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.	8	<u>MISCELLANEOUS WORK AREAS:</u> (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.
4.	<u>ELECTRICAL WORKS:</u> (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		
5	<u>DM Plant & Water Treatment Plant:</u> (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 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		

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

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 any PPE of workmen the same shall be replaced by the contractor irrespective of the time of use.
3. 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

ANNEXURE-A4

ENVIRONMENTAL POLICY (CAPTIVE POWER PLANT)

The Captive Power Plant, NALCO located at Angul, Odisha, generating coal based thermal power, being committed to the Corporate Environmental Policy of the Company, further resolves to minimize the pollution and protect the environment in the impact zone of its operation.

OBJECTIVES SPECIFIC TO CAPTIVE POWER PLANT:

- To achieve continual improvement in use of natural resources.
- To reduce, contain and treat all effluents and emissions of the plant harmful to the environment.
- To take special care in minimizing emission of fly ash and its safe disposal including continual effort for agricultural use of fly ash.
- To reduce dust level in the coal and ash handling areas.
- To create and conserve green belt in and around the plant.
- To create awareness and concern for the environment among the employees and persons working on behalf of the organization.

COMMITMENT:

We, the employees of Captive Power Plant of NALCO commit ourselves for prevention of pollution, continual improvement of the environment. We also resolve to comply with all legal & other requirements on environment applicable to our organization.

S/d
Executive Director (S&P), NALCO

ENVIRONMENTAL POLICY (SMELTER PLANT)

In recognition of interests 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 and 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 & local authorities to prevent or minimise adverse consequences of the industrial activities on the environment.
- To comply with all applicable laws governing environmental 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.

S/d
Executive Director (S&P), NALCO

ANNEXURE-A5

OCCUPATION HEALTH & SAFETY POLICY

Nalco is committed to maintain 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 & other requirements related to Safety and Occupational Health of persons and establishing clearly defined goals & 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.
- ✦ Involving the workmen in Policy implementation as well as identification of potential issues.
- ✦ 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 & practices.
- ✦ Striving for continual improvements, exceeding statutory compliance levels, wherever feasible.

22.10.2015
Bhubaneswar

Sd/-
Chairman-cum-Managing Director

QUALITY POLICY

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 stakeholders.
- ✦ 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 fulfilment.

22/10/2015
Bhubaneswar

Chairman-cum-Managing Director

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.

Sd/-

Date: 23.02.2017

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.

ANNEXURE-A8

GENERAL GUIDELINE TO BIDDER ON REVERSE AUCTION

1. 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.
2. **Price bid shall be opened at 10.00 Hrs. on DD/MM/YYYY and Reverse Auction shall commence at *Not applicable* Hrs. and shall remain open for minimum *Not applicable* hours.**
3. Starting bid price shall be the L-1 offer price received against the tender.
4. **Bid Decremental Value shall be *Not applicable* /- (which is @ *Not applicable* % of the declared estimated value).**
5. Auto Extension Time shall be fixed at 10 Minutes
6. Other relevant parameters shall be displayed in the GeM Portal reverse auction window.
7. GeM Portal Server time shall be the basis of Start time & Closing time for bidding and shall be binding for all.
8. 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.
9. The bidders to participate in tender-cum-auction process in GeM Portal, has to log into GeM Portal (i.e. <https://gem.gov.in>) 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.
10. 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.
11. System displays L1 landed price in auction creation form and allows TIA to edit the value as 'start bid' price. Normally, TIAs will enter the L-1 Price as the start bid price.
12. **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.
13. **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.
14. 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.

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)

At present there is a panel of Independent External Monitors (IEMs) in NALCO. The panel of IEMs consists of the following.

A.	Mr. Hare Krushna Das, IAS (Retd.) e-mail: hkdash184@hotmail.com	B.	Shri Prashant Kumar Jha, IFoS (Retd.) e-mail: pkjhaforest@yahoo.co.in	C.	Shri N. Shanker Reddy, IPS (Retd.) e-mail: shankerreddyips@gmail.com
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- In respect of this Tender, the panel of Independent External Monitors (IEMs) would be monitoring the Bidding Process and execution of Agreement to oversee implementation and effectiveness of the Integrity Pact Program.

The details of the Independent External Monitors (IEMs) are given above who will oversee the compliance to the terms of The Integrity Pact (IP) which forms a part of this Tender.

IEMs are authorized to examine /consider all references made to it under this 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 IEMs.

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.

- The Independent External Monitors (IEMs) have the right to access without restriction to all Project documentations of the NALCO. The Monitors are 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.
- 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. 2.1above.
 - 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. 2.1above.
 - 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. 2.1above.
 - 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 L1bidder.

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:

- a) 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.
- b) 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.
- c) 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.

=====XXXX=====

(Declaration by the bidder on their letter head)

To,
GM(T&C),
M/s. National Aluminium Company Limited,
Smelter Plant, Nalconagar,
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 as _____ % 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.

TENDER No.:
SMLT/T&C/S20/OMC-6116/NIT/5424

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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

**SMELTER T&C DEPARTMENT
Web site: www.gem.gov.in
CONTRACT DETAILS**

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

Page 1 of 2

1.0	Name of the Work	Miscellaneous Civil Maintenance Works of Smelter Plant for the year: 2026-28.
1.1	Nature of the Work	REVENUE (REPETITIVE CONTRACT)
1.1(i)	Details of "Items Critical to quality" in case of "Specialized Jobs".	Non Applicable
1.1(ii)	Minimum Workable offer if applicable	Clause No.22.2 of Annexure-A1 may be referred for detail.
1.2	Location of the work	INSIDE PLANT PREMISES
2.0	NIT reference	SMLT/T&C/S20/OMC-6116/NIT/5424, Date: 12.08.2026
3.0	Contract Period	24 (TWENTY FOUR) MONTHS
4.0	No. of Agency required and %distribution of work(subject to availability of bidders)	a) Number of Agency: 05 (FIVE) b) Distribution of Work: 28%:18%:18%:18%:18%
4.1	Mode of tendering	OPEN (GeM e-Tendering)
4.2	Type of bidding	TWO PART (E-tender)
4.3	Earnest Money Deposit (EMD)	` 2,50,000.00 (Rupees Two Lakhs Fifty Thousand Only) (Ref. Clause 4.0 of Annexure-A1).
4.4	Tender fee	Not applicable
5.0	Tender e-Submission Start Date/Time.	As per GeM Portal
5.1	Tender e-Submission Last Date/Time.	As per GeM Portal
6.0	e-Tender Opening Date/Time	As per GeM Portal
7.0	Validity of Offer	04 (Four) Months From the date of Tender Opening
8.1	Bank Guarantee / Indemnity Bond value Against Free Issue Materials.	(i) B.G.: Not applicable (ii) I.B: Applicable (`1,10,51,152.00 for 28% job & ` 71,04,312.00 for 18% job) (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 ₀ and Y applicable (L ₀ =Minimum labour rate) (Y =Labour component)	L₀ = ` 644.52 Y_L = 62.22% (Ref <u>Annexure-B5</u>)
10.2.2	The values of D ₀ and Y applicable (D ₀ = Diesel rate at Angul at the time of tendering) (Y = Fuel cost component)	Not applicable

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

Issue No. :002 Rev.: 00

Page 2 of 2

10.3.1	Labor hike reimbursement against change in minimum wages.	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. (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	H.S.W- Nil / S.W- 05 (Five) Nos. / S.S.W- 27 (twenty Seven) Nos. / U.S.W-55 (fifty Five) Nos. for 100% job.

IMPORTANT POINTS TO BE NOTED FOR SUBMISSION OF BID

16.	The tender document should be digitally signed, before online submission.
17.	Correction & over writings are not permissible. Any corrections should be signed with date by the person, signing the tender document.
18.	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.
19.	All the supporting documents submitted with the offer should be attested by a gazetted officer or Notary Public.
20.	The bidder has to submit the 'Necessary Forms' which are to be downloaded, filled up and signed before uploading.
21.	Pre Contract Integrity Pact at Annexure-C21 must be filled up and signed by the tenderer.
22.	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.

Mrs. Anjana Mundu

Tender Inviting Authority

Tender & Contract Dept., Smelter Plant

SUB: MISCELLANEOUS CIVIL MAINTENANCE WORKS OF SMELTER PLANT FOR THE YEAR: 2026-28.
**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
The bidder should have experience of having successfully completed "Similar Work" during the last seven years ending on last day of the month previous to the one in which NITs are invited, should be either of the followings; (i) Three similar completed/partially completed works each (with above criteria) having executed value not less than ` <b>43.06 Lakhs (Rupees Forty Three Lakhs Six Thousands only).</b></p> <p style="text-align: center;"><b>OR</b></p> <p>(ii) <b>Two</b> similar completed/partially completed works each (with above criteria) having <b>executed value</b> not less than ` 53.83 Lakhs (Rupees Fifty Three Lakhs Eighty Three Thousands only). OR (iii) One similar completed/partially completed work (with above criteria) having executed value not less than ` 86.12 Lakhs (Rupees Eighty Six Lakhs Twelve Thousand only). The work experience should be of "Working directly" and possess relevant experience as per the details given under experience criteria. "Working directly" implies, working as a Contractor or Sub Contractor under above authorities who is the Principal Owner of the work. Evaluation criteria: Cost of the completed works by the bidder shall be escalated @ 10% per annum (simple rate) to bring them at the current price level. (The cost of work completed within one year prior to original date of bid opening shall not be considered for any weightage. 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 "All type of Industrial Construction Works/Civil Maintenance Works of Residential or Non-Residential Building/Civil Maintenance Works of Plant or Non-Plant Buildings". Partially completed work in progress (not abandoned) shall be considered.	- The bidder should submit copy of following documents duly attested by a Notary Public or Gazetted Officer. - Work Order with value along with Amendment, if any, Scope of Work & Bill of quantity for assessment of Experience Criteria. - Satisfactory Completion Certificate indicating the value of work executed & period of contract obtained from Principal Owner of the work for whom the work has been executed. - In case the bidder submits the credentials as a sub-contractor the following copies are to be submitted duly attested by a Notary Public or Gazetted Officer: - Detailed work order / PO / Agreement from the main agency. - Completion certificate issued by main agency indicating the value of work executed & period of contract. - Completion certificate issued by the Principal / project authorities in favour of the main agency showing due completion of the package. - 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. NB:- 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.

Mrs. Anjana Mundu
Tender Inviting Authority
Tender & Contract Dept., Smelter Plant

B) FINANCIAL

Eligibility criteria	Documentary proof
1) The average annual turnover of the vendor for last three financial years should be minimum ` 32.30 Lakhs (Rupees Thirty Two Lakhs Thirty Thousands only). (Turn over shall be escalated @10% per annum (simple rate) to bring them at the current price level. The turnover of the latest previous year shall not be considered for any weightage) 2) Net worth of the bidder during the last financial year shall be positive as per audited balance sheet. Note: (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.)	1. The bidders have to submit the copies of audited financial statements and profit & loss accounts of the relevant years duly attested by a Notary Public or Gazetted Officer in support of both the qualifying criteria of turnover and net worth along with the bid. All certificates or documents issued by a Chartered Accountant (CA) or Cost Accountant (CMA/CWA) in support of the technical or financial qualifying criteria shall bear a valid UDIN (Unique Document Identification Number) in accordance with the guidelines issued by ICAI and ICAI. Certificates without a valid UDIN shall not be considered for evaluation.

) CRIMINAL BACKGROUND: APPLICABLE FOR THIS CONTRACT

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 and original hard copy of the same to be submitted to Tender Inviting authority.

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.

E) ~~The bidder needs to submit (upload) the photocopies of all brief orders presently under execution by them as a part of their concurrent commitment (Ref. Cl. No. 5.4 of General Information of NIT, Part-A).~~ **[Not applicable for this tender]**

Note: Agencies intending to participate shall fulfill minimum Pre-Qualification Criteria (With supporting documents & they need to fill up Annexure-C6 To Annexure-C7 Of The NIT. All the supporting documents submitted should be attested by a Notary Public or A Gazette Officer. They also have to submit Earnest Money Deposit.

Mrs. Anjana Mundu
Tender Inviting Authority
Tender & Contract Dept., Smelter Plant

ANNEXURE-B2**SCOPE OF WORK****SUB: MISCELLANEOUS CIVIL MAINTENANCE WORKS OF SMELTER PLANT FOR THE YEAR: 2026-28.****SCOPE OF WORK**

Scope of work includes civil maintenance works (on day-to-day need basis & eventual) of smelter plant of different nature such as dismantling, earth work, disposal, PCC, RCC, Doors, windows, general cleaning, plumbing, sanitary work, road repair work, roof sheeting, structural fabrication & erection, painting, manhole repairing and other miscellaneous building works including addition, modification & renovation jobs.

Technical specification: -

Works shall be carried out in accordance with Indian standard specifications.

If the Indian standard specifications do not cover the same, the work should be carried out as per standard engineering practice such as central public works department (CPWD) or any other standard in order of preference subject to the approval of Engineer-in-charge.

FREE ISSUE MATERIAL:

- 1) Cement
- 2) Reinforcement Steel
- 3) Structural steel.
- 4) Aluminium sheet
- 5) Epoxy
- 6) Roof accessories like L & J Hooks, washers, seam bolts etc.
- 7) Other materials on need basis

TOOLS & TACKLES

1. The tenderer should possess the following equipments, tools and tackles and should produce required documents along with the tender, if asked.

- | | | |
|---|---|---------|
| a) Concrete mixture machine | - | 01 No. |
| b) Needle vibrator | - | 02 Nos. |
| c) Pneumatic jack hammer | - | 02 Nos. |
| d) Electric Jack Hammer | - | 01 No. |
| e) Electric Drilling Machine | - | 01 No. |
| f) Diesel pump 3HP Capacity | - | 01 No. |
| g) Tractor | - | 01 No. |
| h) Truck | - | 01 No. |
| i) Welding machine | - | 01 No. |
| j) Gas cutting set | - | 01 No. |
| k) Wooden ladder of at least 6 mtr length | - | 1 No. |
| l) JCB (Excavator) | - | 1 No. |
| m) Hydra | - | 1 No. |
| n) Tipper | - | 1 No. |

SPECIFIC SAFETY AND ENVIRONMENTAL REQUIREMENT FOR WORKERS & SUPERVISORS AT SITE

1. Safety Helmet
2. Dust mask
3. Safety Shoes
4. Safety Goggles
5. Cotton clothes
6. Safety Belt
7. Safety net
8. Full body harness

ANNEXURE-B3

SPECIAL CONDITIONS OF CONTRACT

SUB: MISCELLANEOUS CIVIL MAINTENANCE WORKS OF SMELTER PLANT FOR THE YEAR: 2026-28.

- The successful bidder shall provide a performance Guarantee for the due and faithful performance of contract for a sum of equal to the amount which will be the difference between the lower limit of workability decided by NALCO and the quoted price of the **successful** bidder before the signing of Agreement.
- The contractor must ensure proper supervision and coordination of works, either by himself or by his authorized representative having relevant experience. The person should be available during execution of the works.
- The bidder should try his best to complete the work against a particular job order within the mutually agreed date of completion as indicated in the job order. **For any unjustified delay in attending the maintenance work as per the job order, a penalty @ 1% of the work value of that particular job order per week and maximum 10% of the job order value shall be levied from the running bill.**
- The bidder has to maintain landline telephone connection in their site office and mobile phones for engineer/supervisors from the effective date of the contract.
- In case of emergency, the contractor has to respond and execute the work even at odd hours. Else, the contractor will be penalized with the loss incurred and contractual action will be initiated as per the condition of the contract.
- Job orders for completed works to be submitted for joint measurement within one week of completion of work.
- No bamboo / wooden scaffolding is allowed for any type of height work. Only M.S. scaffolding is allowed for any type of height work.
- Monthly / Bimonthly R/A bills should be submitted for checking and disposal of bills in time. In case the contractor delays in submission of bills then Nalco will be in no way responsible for delay in disposal of bills.
- The contractor should authorize one of his representatives for correspondences with the EIC on day to day basis to plan & execute the works. The authorized persons should report to the EIC at 8.30 AM on each working day and report him/her about the works to be carried out for that day. The same person should again report to the EIC at 4.30 PM on each working day to give him / her feedback regarding the progress of the day's works, to plan for the works on next day & to receive job orders. The works should be carried out as per the direction of the concerned EIC.
- In addition to the above, the contractor should authorize another representative for withdrawing of FIM from Nalco store as and when required.

- For all brought out items except bulk construction materials like sand, aggregate, moorum, earth etc., the contractor should submit the copies of gate entry challan to the concerned EIC before using the items. All these items should be as per the specification of the BOQ. In case of use of non-specified items, the concerned EIC reserves the right to cancel the measurement for the items.
- The contractor should ensure the use of PPEs (as listed in the safety clause) by their workers and maintain all the safety rules while executing the work at site.
- The contractor should maintain daily consumption register for FIM (cement, ash brick, epoxy etc.) and produced the same to the concerned EIC as & when asked for.
- The PTMT fittings mentioned in the BOQ should be of Prayag Make.
- Online billing system may be implemented as per the direction of MIC, in which case, the contractor has to follow the same.
- Payment to the labours engaged, has to be made by the agency within 7th date of each month & the copy of bank statement has to be submitted to the EIC.
- The components of wages which are paid annually (Leave Wages and Bonus) or at the end of the contract (Retrenchment Benefit and 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 in recommendation / certification of HRD on production of documentary evidence against payment of these wage related components to the bank accounts of the workers.
- 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”

Note: Total number of gate passes admissible for this contract **(for five vendors)** shall be limited to **87 (Eighty Seven) Nos.** which consists of **05 (Five) Nos. of Skilled Workers, 57 (Fifty Seven) Nos. of Semi-Skilled Workers & 35 (Thirty Five) Nos. of Un-Skilled Workers including off reserve**, but excluding supervisor and staff. However, division of total workmen among the five vendors will be based on mutually agreed and subject to acceptance of Engineer-in-Charge.

ANNEXURE-B4

QUANTITY & RATE SCHEDULE

SUB: MISCELLANEOUS CIVIL MAINTENANCE WORKS OF SMELTER PLANT FOR THE YEAR: 2026-28.

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
1.	A.EARTH WORK AND CLEANING Earth work in excavation in all kinds of soil over area (exceeding 30 cm in depth, 1.5m in width as well as 10 Sqm over plan) including all labours, materials, dressing of sides, leveling, grading, and ramming of bottoms, pumping and bailing out of rain water, sub-soil waters, disposal of stacking of surplus excavated materials within a lead of 100 mtrs and all lift as directed by Manager-in-charge, providing temporary supports to existing service lines like water pipes, sewerage, electrical cables etc and Disposal of soil to be leveled, neatly dressed as per direction of Manager-in-charge.	1,999.00	Cubic Meter	157.85	315542.15
2.	Earth work in excavation below ground level for all kinds of works in foundations including trenches, pavements, manholes, wall footings, pipe lines, cable trenches, pits etc. in all types of soil as classified in specification for a depth upto 1.5m including all labours, materials, dressing of sides, leveling, grading, and ramming of bottoms, pumping and bailing out of rain water, sub-soil waters, disposal of stacking of surplus excavated materials within a lead of 100 mtrs as directed by Manager-in-charge, providing temporary supports to existing service lines like water pipes, sewerage, electrical cables etc. including shoring and strutting as per direction of Manager-in-charge.	5,604.00	Cubic Meter	219.02	1227388.08
3.	Same as Item no.2 but for depth beyond 1.50m upto 3.0 m.	2.00	Cubic Meter	297.44	594.88
4.	Same as Item no.2 but soft rock/ WBM of classified in specification for a depth of 1.5m.	45.00	Cubic Meter	389.00	17505.00
5.	Same as Item no.4 but for depth beyond 1.50m upto 3.0 m.	2.00	Cubic Meter	529.70	1059.40
6.	Earth work in foundations trenches or drains not exceeding 1.5m in width or 10 sqm. On plan including dressing of sides and ramming of bottoms lift upto 1.5m including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50m. (Hard rock (Blasting prohibited)	2.00	Cubic Meter	937.93	1875.86
7.	Same as item No. 6 but for depth beyond 1.5m upto 3.0m.	1.00	Cubic Meter	1078.62	1078.62
8.	Earth work in surface dressing of the ground in all kinds of soil including removing of vegetation/ debris and inequalities not exceeding 15cm deep and disposal of rubbish lead up 100m and lift upto 1.5m.	4,133.00	Square Meter	21.13	87330.29
9.	Cleaning of grass and removal of the rubbish upto a distance of 50m. outside of the periphery of the area cleaned.	605.00	Square Meter	5.54	3351.70
10.	De-watering of foundation trenches, drains, low lying areas, sumps, water reservoirs, manholes chambers, valve chambers using pump sets including cost of supply, erection and transportation charges of pumps and cost of labour etc. all accessories and tools, tackles etc. complete.	2.00	Kilo Liter	16.64	33.28

TENDER No.:
SMLT/T&C/S20/OMC-6116/NIT/5424

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
11.	Filling with available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in deep consolidating earth deposited in layers by ramming and watering lead upto 100 mtrs.	1,194.00	Cubic Meter	190.70	227695.80
12.	Supplying and filling the sand in plinth under floors and over areas like trenches, slumps etc. including watering, ramming, consolidating and dressing complete.	690.00	Cubic Meter	1695.48	1169881.20
13.	Supplying and filling of plinth under floors, low laying areas, pits, embankments etc. with fly ash from CPP including carrying, loading, unloading, watering, ramming, consolidating and dressing complete.	10.00	Cubic Meter	362.52	3625.20
14.	Disposal of surplus earth & dismantling materials including loading, unloading, levelling at the unloading place by mechanical transport within plant premises including outside area upto NH-55 as directed by EIC.	3,061.00	Cubic Meter	194.55	595517.55
15.	Jungle clearing including uprooting of vegetation, grass, bush wood, trees and saplings of girth upto 30cm measured at a height of 1m. above ground level and removal of rubbish upto a distance of 100m. outside the periphery of the area cleared.	45.00	Square Meter	10.89	490.05
16.	Collection, segregation and disposal all types of debris such as bricks, boulders, steel strips, scrap steel, conveyor belts, cotton waste, empty bags, damage filter bags, refractory materials, straw, damaged PVC pipes/ MS pipes, rejected polythene/ gunny bags, excavated earth etc. whether specified or not in #order to make the area totally clean by mechanical means to designated areas (inside Plant premises including the area up to NH-55) including loading and unloading, tools & tackles etc. with full truck load (vol up to 5.5 cum) all complete as per directions of Manager-in-charge.	94.00	Trip	650.90	61184.60
17.	Collection, segregation and disposal all types of debris such as bricks, boulders, steel strips, scrap steel, conveyor belts, cotton waste, empty bags, damage filter bags, refractory materials, straw, damaged PVC pipes/ MS pipes, rejected polythene/ gunny bags, excavated earth etc. whether specified or not in order to make the area totally clean by mechanical means to designated areas (inside Plant premises including the area of NH-55) including loading and unloading ,tools & tackles etc. with full tractor load (vol up to 3.0 cum) all complete as per directions of Manager-in-charge.	196.00	Trip	355.03	69585.88
18.	Supply of JCB with Drivers, fuel, tools & tackles etc. for miscellaneous civil works (Payment will be made on the basis of actual working time).	1,117.00	Hour	1006.04	1123746.68
19.	Supply of Hydra with Drivers, fuel, tools & tackles etc. for miscellaneous civil works. (Payment will be made on the basis of actual working time).	65.00	Hour	1034.78	67260.70
20.	Supply of Hydraulic Excavator of 1 Cum bucket capacity with Drivers, fuel, tools & tackles etc. for miscellaneous civil works.	65.00	Hour	1149.76	74734.40
21.	B. CONCRETING, SHUTTERING AND CENTERING REINFORCEMENT: Providing and laying plain cement concrete 1:4:8 (1 cement:4 sand:8 aggregate) with 40mm and down size graded stone aggregate as leveling course in foundation under slab etc. including tamping, curing, shuttering etc.	248.00	Cubic Meter	4050.67	1004566.16

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	complete for all depths and heights. (Cement are issued as FIM from Nalco store)				
22.	Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand : 4 graded stone aggregate 20mm nominal size) excluding cost of centering and shuttering in foundations, flooring and plinth and in any other area at all depth & all height. (Cement are issued as FIM from Nalco store)	2,370.00	Cubic Meter	4057.28	9615753.60
23.	Providing and laying plain cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) excluding cost of centering and shuttering in foundations, flooring and plinth and in any other area at all depth & all height. (Cement are issued as FIM from Nalco store)	1.00	Cubic Meter	3964.54	3964.54
24.	Providing and laying RCC (1:1.5:3) grade with 20mm and down size graded stone aggregate including vibrating tamping, curing and rendering and finishing complete excluding cost of reinforcement and shuttering in all types of structures such as foundations, walls of any shape columns, pedestals, beams suspended floors, stair cases ,slabs of any shape ,sloped RCC structures etc for all depths and heights as directed by MIC (Cement are issued as FIM from Nalco store)	1,789.00	Cubic Meter	4405.31	7881099.59
25.	Providing and laying RCC of M-25 (1:1:2) grade with 20mm and down size graded stone aggregate including vibrating tamping, curing and rendering and finishing complete excluding cost of reinforcement and shuttering all type of structures such as foundations, walls of any shape columns, pedestals, beams suspended floors, stair cases for all depths and heights. (Design mix) (Cement are issued as FIM from Nalco store)	10.00	Cubic Meter	5048.59	50485.90
26.	Casting, supplying and erecting in position RCC /PCC precast elements of all types in curves, edging etc. of 1:1.5:3 grade with 20mm and down size graded stone aggregate for all leads and levels including all moulds, tamping, curing finishing the required surface as per direction of Manager-in-charge with cement mortar 1:3 (1 cement : 3 sand) to give a smooth and even surface, lifting lugs, transportation to site, erection, aligning and fixing in position with cement mortar 1:3 breaking brick or cement concrete surface and making good the same etc. complete (excluding the cost of the reinforcement, fabrication). (Cement are issued as FIM from Nalco store)	81.00	Cubic Meter	5447.66	441260.46
27.	Providing and fixing centering and shuttering with shuttering ply wood including curved, hexagonal, octagonal and such other shaped shuttering for foundation, footing mass concrete, machine and equipment foundations columns, pillars, posts, struts and pedestals, lintels, beams, girders, cantilever and brackets, suspended floors, roofs ,sloped roofs ,staircase waists, landing steps, shelves and their supports, balances, chajjas, underground tunnels, ducts, trench foundations, etc, and any other similar items as directed including strutting, racking, propping etc. keeping the same up to specified period etc. complete for all depth and heights.	5,689.00	Square Meter	247.30	1406889.70
28.	Tor steel/TMT bars reinforcements for RCC work including cutting, bending, binding, welding and placing in position	119.00	Metric Tonne	16394.69	1950968.11

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	etc. complete with cover blocks, if necessary. (Reinforcement steel are issued as FIM from Nalco store)				
29.	Grading roof for water proofing treatment with cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 12mm size) with Sika / Fosrock water proofing compound at all heights, as direction by Manager-in-charge. (water proofing compound is in party scope). (Cement are issued as FIM from Nalco store)	10.00	Cubic Meter	4175.40	41754.00
30.	Repair of pot holes in roads, pavements, floors etc by chipping the existing damaged concrete. Cut the edges right angle, apply a bonding agent of epoxy based Sikadur-32 or equivalent in the prepared area by stiff brush @ 0.5Kg/Sqm then the pocket will be rebuild by ready to use high strength micro concrete Sika Rep Microcrete II or equivalent . Cure the same by applying curing compound Sika Antisol EWP or equivalent (Coverage 0.2Kg per Sqm) over the exposed surface. in 24 hours of lying the micro concrete strength will be 20N/Sqm. Recommended for temperature up to 250 degree.	5.00	Square Meter	1482.96	7414.80
31.	Providing and laying grouting compound Sika grout 214, Sika Microcrete-4 or equivalent (free flow non shrink and compressive strength of 40N/mm ² in one day etc. compete as per manufacturers specifications and as per direction of Manager-in-charge.	53,573.00	Kilogram	23.78	1273965.94
32.	Fixing of 16mm dia reinforcement anchor rebar with chemical HIT RE-500 or equivalent up to 400mm depth with drill hole of 20mm dia to the existing concrete.(Reinforcement rebar shall be provided as FIM)	360.00	NO	769.74	277106.40
33.	Fixing of 20mm dia reinforcement anchor rebar with chemical Hilti HIT RE-500 or equivalent up to 400mm depth with drill hole of 25mm dia to the existing concrete.(Reinforcement rebar shall be provided as FIM)	33.00	NO	923.70	30482.10
34.	Providing and anchoring of 16mm dia Hilti threaded galvanised bolt of length upto 400mm with Hilti RE 500 epoxy based chemical including core cutting with diamond bit 20mm dia, upto a depth of 300mm, cleaning of all dust, debried, water etc. from the hole, aligning the bolt, chemical grouting, curing etc. all complete as per the direction of EIC.	868.00	NO	2480.00	2152640.00
35.	Providing and anchoring of 20mm dia Hilti threaded galvanised bolt of length upto 400mm with Hilti RE 500 epoxy based chemical including core cutting with diamond bit 25mm dia, upto a depth of 300mm, cleaning of all dust, debried, water etc. from the hole, aligning the bolt, chemical grouting, curing etc. all complete as per the direction of EIC.	868.00	NO	4350.00	3775800.00
36.	Providing and anchoring of 24mm dia Hilti threaded galvanised bolt of length upto 400mm with Hilti RE 500 epoxy based chemical including core cutting with diamond bit 28mm dia, upto a depth of 300mm, cleaning of all dust, debried, water etc. from the hole, aligning the bolt, chemical grouting, curing etc. all complete as per the direction of EIC.	26.00	NO	6025.00	156650.00
37.	C. MASONARY WORK Brick masonry work in foundation/sub-structure using 75-B class bricks thoroughly soaked in water with cement mortar 1:6 (1 cement: 6 sand) including curing etc. (Cement are issued as FIM from Nalco store)	1.00	Cubic Meter	4936.06	4936.06

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
38.	Providing half brick masonry work in partition wall etc. in super structure for all height using 75-B class bricks with cement mortar 1:4 (1 cement: 4 sand) including providing and fixing 2nos 6mm dia MS bars at every third course, carting steel from owner's storage point and returning steel not incorporated in the works to owner's storage, necessary scaffoldings, staging, curing, raking out joints etc. complete. (Cement are issued as FIM from Nalco store)	1.00	Square Meter	424.61	424.61
39.	Providing and laying random rubble masonry at all heights & depths in Cement mortar 1:6 (1 cement:6 sand) including providing recesses, opening, scaffolding, racking out joints, curing etc. complete for all heights and depth. (Cement are issued as FIM from Nalco store)	1.00	Cubic Meter	4742.09	4742.09
40.	Brick work in super structure using fly ash bricks of designate 100 average as per relevant standards with cement mortar 1:6 (1 cement:6 sand) including necessary scaffolding, racking out joints, curing etc. complete as per specifications and directions of Manager-in-charge. (Cement are issued as FIM from Nalco store)	98.00	Cubic Meter	6020.33	589992.34
41.	Repair of RCC track seal in bake oven shop floor with C.C. (1:1.5:3) including dismantling, disposal, binding reinforcement, structural angle welding with reinforcement, shuttering, curing etc. in desired thickness (varying 100mm to 200mm) up to 800mm width etc. complete as per direction of EIC. (Reinforcement steel and structural steel shall be provided at Nalco store) (Cement are issued as FIM from Nalco store)	373.00	Meter	742.91	277105.43
42.	Brick work in super structure using fly ash bricks of designate 100 average as per relevant standards with cement mortar 1:6 (1 cement:6 sand) including carrying, loading, unloading, scaffolding, racking out joints, curing etc. complete as per specifications and directions of Manager-in-charge. (Brick shall be issued as FIM at CPP) (Cement are issued as FIM from Nalco store)	239.00	Cubic Meter	3572.69	853872.91
43.	Providing & laying of fire brick masonry / dismantling brick at all heights & depths in cement mortar 1:6 (1 cement : 6 sand) including loading, unloading, transporting the brick and making recesses, opening, scaffolding, raking and joints, curing etc. complete as per the direction of EIC. (Fire bricks shall be supplied as FIM by Nalco at its issue point in smelter plant). (Cement are issued as FIM from Nalco store)	80.00	Cubic Meter	889.32	71145.60
44.	Half brick masonry with non modlar fly ash brick of class designation 10 conforming to IS: 12894, with cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure above plinh and up to floor V level (Cement are issued as FIM from Nalco store)	288.00	Square Meter	739.26	212906.88
45.	Half brick masonry with non modlar fly ash brick of class designation 10 conforming to IS: 12894, with cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure above plinh and up to floor V level (Brick shall be issued as FIM at CPP) (Cement are issued as FIM from Nalco store)	426.00	Square Meter	454.25	193510.50
46.	Brick work in sub structure (in non load bearing walls like flower bed, drains, foundation etc.) using fly ash bricks of designate 100 average as per relevant standards with cement mortar 1:6 (1 cement:6 sand) including necessary	248.00	Cubic Meter	4457.31	1105412.88

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	scaffolding, racking out joints, curing etc. complete as per specifications and directions of Manager-in-charge. (Cement are issued as FIM from Nalco store)				
47.	Brick work in sub structure (in non load bearing walls like flower bed, drains, foundation etc.) using fly ash bricks of designate 100 average as per relevant standards with cement mortar 1:6 (1 cement:6 sand) including necessary scaffolding, racking out joints, curing etc. complete as per specifications and directions of Manager-in-charge. (Brick shall be issued as FIM at CPP) (Cement are issued as FIM from Nalco store)	448.00	Cubic Meter	2025.13	907258.24
48.	D. PLASTERING POINTING. 12mm thick cement plaster in cement mortar 1:6 (1 cement: 6 sand) for masonry work including necessary scaffolding, curing etc. complete for all heights. (Cement are issued as FIM from Nalco store)	1,436.00	Square Meter	176.28	253138.08
49.	12mm thick cement plaster in cement mortar 1:6 (1 cement: 6 sand) for masonry work including necessary scaffolding, curing etc. complete for all heights. (Cement are issued as FIM from Nalco store)	5,700.00	Square Meter	200.07	1140399.00
50.	15mm thick cement plaster in cement mortar 1:6(1 cement:6 sand) on the rough side of single or half brick wall with necessary scaffolding, curing etc. for all heights. (Cement are issued as FIM from Nalco store)	6,764.00	Square Meter	229.55	1552676.20
51.	Forming groove of uniform size from 12 x 12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Manager-in-charge.	10.00	Meter	50.10	501.00
52.	Providing neat cement punning etc. complete for all heights. (Cement are issued as FIM from Nalco store)	1,623.00	Square Meter	41.84	67906.32
53.	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 deepchase.(Cement are issued as FIM from Nalco store)	1,064.00	Meter	188.76	200840.64
54.	Flush / Ruled pointing on stone work, with cement mortar 1:3 (1 cement: 3 sand) (Cement are issued as FIM from Nalco store)	1.00	Square Meter	241.16	241.16
55.	Raised and cut pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand) (Cement are issued as FIM from Nalco store)	1.00	Square Meter	441.14	441.14
56.	E. FLOORING:- 40mm thick cement concrete flooring 1:2:4 (1 cement:2 sand: 4 graded stone aggregate of 20/12.5mm nominal size) finished with floating coat of neat slurry rounding of edges and providing and fixing of 40mm x 4mm thick glass strips for panels as per and specification curing etc. complete. (Cement are issued as FIM from Nalco store)	122.00	Square Meter	335.10	40882.20
57.	Providing and laying 25mm thick Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the sand including scrubbing and wax polishing complete with 1:4 cement mortar. (Cement are issued as FIM from Nalco store)	10.00	Square Meter	1292.95	12929.50

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
58.	Cement plaster skirting 18mm thick with cement mortar 1:3 i.e. finished with floating coat of neat cement including rounding of junction with floor etc. complete for all heights. (Cement are issued as FIM from Nalco store)	10.00	Square Meter	367.79	3677.90
59.	Polishing of old mosaic / kota flooring with required quantity of white cement of superior quality wax polish including cutting/rubbing, cleaning etc. complete for all heights.	10.00	Square Meter	23.14	231.40
60.	Providing and laying of 1st quality ceramic glazed / anti skid and any other type of floor tile of required size (300mm*300mm) and colour ,thickness specified by manufacturers, of make Kajaria / Orient Bell / RAK / Jhonson / Somany in floor ,wall and any other location etc. laid over 20mm average thick in cement mortar 1:4 finishing the joints cement including grinding the tiles at 45 degree for corner points cleaning the surface with Oxalic acid etc. all complete for all heights and depths as per specifications and directions of Manager-in-charge. (Cement are issued as FIM from Nalco store)	141.00	Square Meter	794.00	111954.00
61.	Providing and laying of 1st quality ceramic glazed / anti skid and any other type of floor tile of required size (above 300mm*300mm upto 600mm*600mm) and colour ,thickness specified by manufacturers, of make Kajaria / Orient Bell / RAK / Jhonson / Somany in floor ,wall and any other location etc. . laid over 20mm average thick in cement mortar 1:4 finishing the joints cement including grinding the tiles at 45 degree for corner points cleaning the surface with Oxalic acid etc. all complete for all heights and depths as per specifications and directions of Manager-in-charge. (Cement are issued as FIM from Nalco store)	21.00	Square Meter	873.61	18345.81
62.	Providing and fixing 1st quality ceramic glazed/digital/any type wall tiles of approved make & size (300mm*450mm or more)in all colours, shades of any size as approved by EIC in wall , skirting, risers of steps and dados of all sizes of make Somany / Kajaria /RAK / Jhonson / Orient bell), thickness specified by manufacturers of all colour in dado/ skirting etc. laid over 12mm average thick in cement mortar 1:3 finishing the joints cement including grinding the tiles at 45 degree for corner joints cleaning the surface with Oxalic acid etc. all complete for all heights and depths as per specifications and directions of Manager-in-charge. (Cement are issued as FIM from Nalco store)	93.00	Square Meter	834.45	77603.85
63.	Providing and fixing 20mm thick granite mirror polished machine cut for kitchen platform, floors, vanity counters, window sills, facias, steps of stair and similar location of required size of approved shed, colour and texture laid over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) and jointed with white cement mixed with matching pigment, epoxy touch ups, including rubbing, moulding and polishing to edge to geive high gloss finish etc. complete at all level. (Cement free issue)	118.00	Square Meter	3608.43	425794.74
64.	Providing and laying 1st quality vitrified floor tiles (Double charged /Digital Vitrified tile /GVT Tile/Nano polished vitrified tiles) of any type in floor and skirting of approved sizes(600mm*600mm) (thickness to be specified by the manufacturer) of make Kajaria / Orient Bell / RAK / Jhonson / Somany with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades laid on 20mm thick cement mortar 1:4	588.00	Square Meter	1231.41	724069.08

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	(1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as per specification and direction of EIC. (Cement are issued as FIM from Nalco store)				
65.	Providing and laying 1st quality full body vitrified floor tiles of any type in floor and skirting of approved sizes(600mm x 600mm) (thickness to be specified by the manufacturer) of make Kajaria / Orient Bell / RAK / Jhonson / Somany with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as per specification and direction of EIC. (Cement are issued as FIM from Nalco store)	50.00	Square Meter	1282.10	64105.00
66.	Providing and laying 1st quality vitrified floor tiles (Double charged /Digital Vitrified tile /GVT Tile/Nano polished vitrified tiles) of any type in floor and skirting of approved sizes(600mm x 1200mm) (thickness to be specified by the manufacturer) of make Kajaria / Orient Bell / RAK / Jhonson / Somany with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as per specification and direction of EIC. (Cement are issued as FIM from Nalco store)	10.00	Square Meter	2097.18	20971.80
67.	Providing and laying 1st quality full body vitrified floor tiles of any type in floor and skirting of approved sizes(600mm*1200mm) (thickness to be specified by the manufacturer) of make Kajaria / Orient Bell / RAK / Jhonson / Somany with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as per specification and direction of EIC. (Cement are issued as FIM from Nalco store)	10.00	Square Meter	1505.21	15052.10
68.	Extra for Fixing the tiles with suitable adhesive of make latecrete	198.00	Square Meter	27.93	5530.14
69.	Providing and laying Ultra / Gico designer tile (Pre-polished concrete tile) of thickness minimum 25mm in pavement and floor in required pattern of approved design manufacturer by Ultra tile Pvt. Ltd. Or equivalent laid on 20mm thick bed cement mortar 1:4 (1 cement : 4 coarse sand) joints with neat cement slurry mixed with pigment to match the shade of the tile including rubbing, polishing, moulding and curing of tiles etc. complete as directed by MIC (Cement free issue).	431.00	Square Meter	1082.74	466660.94
70.	Providing and fixing 1.5mm thick homogeneous poly vinyl chloride tile in flooring, different in sizes in false flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop- S-758, Fevicol SR-998 or equivalent including rolling with light wooden roller weighing about 5 kg all complete as per direction of EIC in approved colour and shade.	67.00	Square Meter	773.09	51797.03

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
71.	Repair of roads, pavements, floors, bases of pots etc. with epoxy / floor patch / cold bitumen / Emulsion including preparation of surface, dismantling, disposal of generated debris to the designated place as per the direction of EIC. (epoxy, floor patch, cold bitumen, emulsion to be supplied by Nalco as FIM).	275.00	Square Meter	528.27	145274.25
72.	F. DOORS, WINDOWS & PARTITION: Providing Sal wood work in frames of doors, windows etc. fixing in position of any shape and size including applying a coat of bitumen on concealed surface and complete as per specification and direction of Manager-in-charge.	0.14	Cubic Meter	91437.47	12801.25
73.	Providing Teak wood (Second class) work in frames of doors, windows etc. fixing in position of any shape and size including applying a coat of bitumen on concealed surface and complete as per specification and direction of Manager-in-charge.	0.10	Cubic Meter	107055.28	10705.53
74.	Providing Non-Sal wood work in frames of doors, windows etc. fixing in position of any shape and size including applying a coat of bitumen on concealed surface and complete as per specification and direction of Manager-in-charge.	2.00	Cubic Meter	10199.69	20399.38
75.	Providing and fixing ISI marked 35mm thick flush door shutters of make Greenply / Kitply / Century, decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply vennering with vertical grains or cross bands and face veneers on both faces of shutters with stainless butt hinges and necessary screws.	30.00	Square Meter	2625.16	78754.80
76.	Providing and fixing ISI marked 30mm thick flush door shutters of make Greenply / Kitply / Century, decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply vennering with vertical grains or cross bands and face veneers on both faces of shutters with stainless butt hinges and necessary screws.	9.00	Square Meter	2550.95	22958.55
77.	Extra for Providing and fixing flush doors with teak veneering and vision panel	2.00	Square Meter	383.25	766.50
78.	Providing and fixing of Fiber Glass Reinforced Plastic (FRP) Door frames of three legged of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. The laminate door frame molded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. MS stay shall be provided at the bottom to steady the frame.	7.00	Meter	590.19	4131.33
79.	Providing and fixing to existing door frame with 30mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire- retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels and conforming to IS: 14856-2000 including fixing to frames all complete as per direction of EIC.	3.00	Square Meter	3008.09	9024.27

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
80.	Providing and fixing ISI marked 35mm thick flush door shutters non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply vennering with vertical grains or cross bands and face veneers on both faces of shutters with stainless steel butt hinges and necessary screws.	19.00	Square Meter	1637.89	31119.91
81.	Providing and fixing ISI marked 30mm thick flush door shutters non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply vennering with vertical grains or cross bands and face veneers on both faces of shutters with stainless steel butt hinges and necessary screws.	43.00	Square Meter	1579.62	67923.66
82.	Renewing stiles, rails peasal/2nd class teak wood including taking out and Refixing the same in position after repairing with the existing hinges with necessary new screws complete (payment to be made for the area of new work done only).	5.00	Square Meter	836.47	4182.35
83.	Renewing of paneling in window and door shutters with 6mm thick commercial ply.	5.00	Square Meter	167.85	839.25
84.	Renewing of paneling in window and door shutters with 12mm thick commercial ply.	5.00	Square Meter	341.31	1706.55
85.	Providing and fixing of 12mm thick (BWP) ply wood (Century /Green ply/Kit ply) confirming to IS :710 including necessary screw etc. complete.	208.00	Square Meter	742.97	154537.76
86.	Providing and fixing of 12mm thick (BWR) ply wood (Century /Green ply/Kit Ply) confirming to IS :303 including necessary screw etc. complete.	26.00	Square Meter	964.64	25080.64
87.	Providing and fixing 4mm commercial ply connection (BWR) (IS 303)with old door.	5.00	Square Meter	122.68	613.40
88.	Providing and fixing steel windows, ventilators etc. openable type (top hung / side hung) glazing using I.S:1038 section as per drawing joints mitered and welded with 15mm x 6mm lugs, 100mm long @ 750C/C (max) suitably embedded in cement concrete of 1:1 1/2:3 (nominal mix) including providing and fixing 4mm thick plain glass panels as specification with aluminium beading fitted with nut & bolt, with approved make steel oxidized fittings and 12mm M.S. square bars at the rate of 100mm C/C painting with two coats of approved synthetic enamel paint of ISI or equivalent make over a coat of red oxide zinc chromate primer etc. all complete for all heights. (Cement are issued as FIM from Nalco store)	11.00	Square Meter	1715.04	18865.44
89.	Providing and fixing steel windows, ventilators etc. fixed type glazing using I.S:1038 section as per drawing joints mitered and welded with 15mm x 6mm lugs, 100mm long @ 750C/C (max) suitably embedded in cement concrete of 1:1 1/2:3 (nominal mix) including providing and fixing 4mm thick plain glass panels as specification with aluminium beading fitted with nut & bolt, with approved make steel oxidized fittings and 12mm M.S. square bars at the rate of 100mm C/C painting with two coats of approved synthetic enamel paint of ISI or equivalent make over a coat of red oxide zinc chromate primer etc. all complete for all heights. (Cement are issued as FIM from Nalco store)	2.00	Square Meter	1112.57	2225.14
90.	Providing and fixing 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm (plus, minus) 0.2mm with inbuilt edging on both sides. The styles and	9.00	Square Meter	1528.33	13754.97

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	rails mitred and joined at the corners by means of M.S. galvanised / plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20mm and 1mm (plus, minus) 0.1mm wall thickness. The lock rail made up of "H" section, a UPVC hollow section of size 100x24mm and 2mm (plus, minus) 0.2mm wall thickness fixed to the shutter styles by means of plastic / galvanised M.S. "U" cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm (plus, minus) 0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of EIC. (For W.C. and bath room door shutter).				
91.	Providing & Fixing of solid decorative wood polymer composites (WPC) flush doors of thickness 30mm with all necessary fittings like hinges, screws, handle, tower bolt etc. complete as per the direction of EIC.	2.00	Square Meter	3183.04	6366.08
92.	Providing & Fixing of solid decorative wood polymer composites (WPC) flush doors of thickness 35mm with all necessary fittings like hinges, screws, handle, tower bolt etc. complete as per the direction of EIC.	2.00	Square Meter	2949.71	5899.42
93.	Providing & Fixing of moulded WPC door frame of size 75x50mm as per the direction of EIC.	5.00	Meter	517.47	2587.35
94.	Providing & Fixing of moulded WPC door frame of size 125X62 mm as per the direction of EIC.	5.00	Meter	867.48	4337.40
95.	Repairing of Choukath (wooden) including wooden piece nail and screws.	20.00	NO	24.50	490.00
96.	Repairing of door and window shutters including nail, screw and minor repairs excluding new stile, rail and panels.	7.00	Square Meter	35.02	245.14
97.	Fixing of choukaths in existing opening (Choukath will be supplied free) labour charges only. Wooden door choukath with grouting to the wall.	20.00	NO	567.29	11345.80
98.	Taking out door/window shutters and Refixing the same back to the new choukaths with the existing hinges and necessary screws complete.	22.00	NO	231.55	5094.10
99.	Providing and fixing glass panels (plain glass black / white / tinted / frosted) of approved design with glazing clips, metal shush putty including removing of old putty / wooden beading etc. all complete for all heights. (Plain glass 5mm thick (13.75kg/ sqm)	67.00	Square Meter	1028.61	68916.87
100.	Providing and fixing glass panels (plain glass black / white / tinted / frosted) of approved design with glazing clips, metal shush putty including removing of old putty / wooden beading etc. all complete for all heights. (Plain glass 4mm thick (10kg/ sqm)	81.00	Square Meter	773.08	62619.48
101.	Refixing old glass panes of any thickness with ISI quality putty clips and nails etc. complete.	85.00	Square Meter	481.00	40885.00
102.	Providing and applying special metal sash putty on steel windows/ ventilators after removing old putty C/C painting complete.	73.00	Meter	36.99	2700.27
103.	Providing & fixing of copper oxidised MS / GI pressed butt hinges bright finished as per IS 1378 with necessary screws etc. complete (125 x 65 x 2.12 mm)	44.00	NO	39.87	1754.28

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
104.	Providing & fixing of copper oxidised MS / GI pressed butt hinges bright finished as per IS 1378 with necessary screws etc. complete (100 x 58 x1.90 mm)	91.00	NO	33.14	3015.74
105.	Providing & fixing of copper oxidised MS / GI pressed butt hinges bright finished as per IS 1378 with necessary screws etc. complete (75 x 47 x1.70 mm)	5.00	NO	28.02	140.10
106.	Providing & fixing of copper oxidised MS pressed butt hinges bright finished as per IS 1378 with necessary screws etc. complete (50 x 37 x1.50 mm)	5.00	NO	14.16	70.80
107.	Providing & fixing oxidised MS tower bolts (barrel type) bright stain finished black stove enameled with necessary screws etc. complete (250x10mm)	5.00	NO	64.37	321.85
108.	Providing & fixing oxidised MS tower bolts (barrel type) bright stain finished black stove enameled with necessary screws etc. complete (150x10mm)	5.00	NO	45.62	228.10
109.	Providing & fixing 125mm oxidized MS handles confirming to IS:4992 with necessary screws etc. complete.	5.00	NO	30.27	151.35
110.	Providing and fixing oxidized MS wire nail. (Screws (upto 40mm length)	5.00	NO	0.54	2.70
111.	Providing & fixing sliding door bolt 300mm x 16mm anodized Aluminium fittings of approved make & quality with necessary screws etc.	60.00	NO	223.23	13393.80
112.	Providing & fixing sliding door bolt 250mm x 16mm anodized Aluminium fittings of approved make & quality with necessary screws etc.	7.00	NO	201.16	1408.12
113.	Providing & fixing 125x75x4mm aluminium butt hinges anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	9.00	NO	118.55	1066.95
114.	Providing & fixing 100x75x4mm aluminium butt hinges anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	4.00	NO	91.04	364.16
115.	Providing & fixing 75x63x4mm aluminium butt hinges anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	4.00	NO	66.90	267.60
116.	Providing & fixing 300mm x 10mm aluminium tower bolt anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete	2.00	NO	101.41	202.82
117.	Providing & fixing 250mm x 10mm aluminium tower bolt anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	2.00	NO	89.91	179.82
118.	Providing & fixing 200mm x 10mm aluminium tower bolt anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	8.00	NO	78.14	625.12
119.	Providing & fixing 150mm x 10mm aluminium tower bolt anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	41.00	NO	65.10	2669.10
120.	Providing & fixing 100mm x 10mm aluminium tower bolt anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	9.00	NO	50.47	454.23

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
121.	Providing & fixing 125mm handles anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	104.00	NO	51.77	5384.08
122.	Providing & fixing 100mm handles anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	27.00	NO	45.87	1238.49
123.	Providing & fixing 75mm handles anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.	5.00	NO	39.82	199.10
124.	Providing & fixing aluminium hanging floor door stopper anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete. (Single rubber stopper)	30.00	NO	29.46	883.80
125.	Providing & fixing aluminium hanging floor door stopper anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete. (Twin rubber stopper)	8.00	NO	53.85	430.80
126.	Providing & fixing bright finished brass 100mm mortise latch and lock of Godrej make or equivalent with six levers and a pair of anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete. (Base make of approved quality)	1.00	NO	649.85	649.85
127.	Supplying and fixing wardrobe knob for cup boards of approved quality.	2.00	NO	10.70	21.40
128.	Providing and fixing in position approved make heavy duty type over head hydraulic door closure (Hyper / Godrej / Derma) with adjustable spanner and screws including all fixtures etc. complete.	62.00	NO	1655.34	102631.08
129.	Refixing of door closure with all fixtures/ screws.	16.00	NO	83.35	1333.60
130.	Providing and fixing 6 lever mortise locks to the wooden doors of Godrej or equivalent make with all features & screw.	3.00	NO	788.18	2364.54
131.	Refixing of steel windows/ grills with modification repairing.	11.00	Square Meter	55.97	615.67
132.	Providing and fixing wardrobe with 12mm thick prelaminated board shutters attached to the frame made of Duratuff or equivalent. The inner lining of which are made out of 19mm thick block boards as per IS: 1659 exactly fitting to the recess in the walls. Rate including the cost of nail, adhesives, rollers, aluminium channels, locking arrangements, hinges, teak wood half round beading if required in order to give a elegant finish all complete as per specifications, drawing and direction of Manager-in-charge.	5.00	Square Meter	2404.77	12023.85
133.	G. STRUCTURAL: Fabricating and erecting in position all types of MS structures in sections, including transporting the steel from owners storage point / Nalco store to site of work straightening if required cutting to required size bolting or welding of joints, grinding, shaping, painting with two coats of synthetic enamel painting over a coat of red	236.00	Metric Tonne	32370.74	7639494.64

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	oxide, zinc chromate primer fixing in line and level with temporary scaffoldings, including returning the steel not used in work to owners storage point etc. complete for all depth and height. (Structural steel free issue)				
134.	Structural steel work in Mono Rail fixing with or without connecting plate including cutting, welding, hoisting, fixing in position and applying a priming coat of approved steel primer with two coats of synthetic enamel paint etc. complete as per specification & direction of EIC (Structural steel free issue)	8.00	Metric Tonne	21049.14	168393.12
135.	Structural steel work in Rail fixing at ground level including cutting, welding, hoisting, fixing in position and applying a priming coat of approved steel primer with two coats of synthetic enamel paint etc. complete as per specification & direction of EIC (Structural steel free issue)	8.00	Metric Tonne	12404.59	99236.72
136.	Fabricating and fixing in position MS inserts like channels, angles, flats, rounds, plates, pipe sleeves and other structural shape etc. including necessary templates, staging, cutting, bolting and welding as required and embedding in position by chiseling the cone surface and making good both plain and reinforced cement concrete members inclusive of adjusting, shuttering, welding of necessary tying and holding to concrete level and line, any auxiliary dummy structures to support heavy, inserts, painting exposed surfaces with two coats of synthetic enamel painting over a red oxide, zinc chromate primer, returning the steel not incorporated in the work to owners storage point etc. complete for all depth and height. (structural steel free issue)	100.00	Kilogram	88.36	8836.00
137.	Erection of structural steel including minor modification if any at all heights and depths etc as per direction of Manager-in-charge.	0.10	Metric Tonne	2007.55	200.76
138.	Dismantling of all types of structural works and Refixing the same after necessary modification including cutting, welding etc. complete.	44.00	Metric Tonne	5560.44	244659.36
139.	Providing and fixing hand rail by welding etc. to steel ladder railing balcony railing and staircase railing including painting with two coats of synthetic enamel painting over a coat of red oxide zinc chromate primer etc. complete. With MS tube (medium) up to 40mm nominal bore (All materials shall be supplied by the contractor)	50.00	Kilogram	126.66	6333.00
140.	Providing and fixing hand rail by welding etc. to steel ladder railing balcony railing and staircase railing including painting with two coats of synthetic enamel painting over a coat of red oxide zinc chromate primer etc. complete. GI pipes up to 40mm nominal bore (class-B) (All materials shall be supplied by the contractor)	50.00	Kilogram	53.97	2698.50
141.	Supplying, fabricating and fixing in position MS grill/ windties, gate of approved design with structural or structural and reinforcement steel including necessary hinges, screws and locking arrangement, grouting with cement concrete (1:2:4) wherever necessary and painting with two coats of synthetic enamel paint of approved shade after a coat of red oxide zinc chromate primer. (Materials to be supplied by the contractor).	1,521.00	Kilogram	159.63	242797.23
142.	Supplying and fixing 1.5mm translucent reinforced plastic sheet in roof and skylight including cutting the sheet and	100.00	Square Meter	716.42	71642.00

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	fixing with 8mm dia GI nuts and bolts, diamond washer and bitumen washers, scaffolding etc. complete for all heights.				
143.	Fixing Aluminium/CGI / FRP/ACRYLIC/PPGL/PPGI sheets at any height with "J" or "L" hooks, self driven screw or accessories supplied by Nalco, complete for all heights including transportation of sheets from Nalco Store.	16,092.00	Square Meter	44.44	715128.48
144.	Same as above but for CGI / Aluminium ridge & corner piece.	946.00	Meter	18.68	17671.28
145.	Supplying and fixing GI "J"/"L" hooks of 8mm dia with necessary EPDM and GI limpet washer and removing the old hooks at all heights.	1,884.00	NO	7.41	13960.44
146.	Same as above but with polymer coated.	291.00	NO	9.74	2834.34
147.	Supplying and fixing MS bolts and nuts of various dia. and sizes at all heights.	139.00	Kilogram	111.51	15499.89
148.	Renewing the bitumen washers with EPDM washer (EPDM washer contractor's supply)	100.00	NO	2.09	209.00
149.	Fixing of EPDM washer with existing L/J hook. (Washer will be given by Nalco FIM)	978.00	NO	1.25	1222.50
150.	Providing and fixing MS holder bat clamps 100 mm diameter of approved design to CI or SCI rain water pipes embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) and cost of cutting holes and making good the walls etc.	2.00	NO	247.06	494.12
151.	Providing and fixing MS holder bat clamps 150 mm diameter of approved design to CI or SCI rain water pipes embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) and cost of cutting holes and making good the walls etc.	2.00	NO	264.49	528.98
152.	Providing and fixing UV stabilised fiberglass reinforced plastic sheet of corrugated / trough profile, roofing up to any pitch including fixing with polymer coated "J" or "L" hooks, bolts & nuts 8mm dia. GI plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. (2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.)	10.00	Square Meter	950.67	9506.70
153.	Providing and fixing UV stabilised fiberglass reinforced plastic sheet of Flat profile, roofing up to any pitch including fixing with polymer coated "J" or "L" hooks, bolts & nuts 8mm dia. GI plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. (2mm thick flat.)	10.00	Square Meter	867.44	8674.40

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
154.	Providing lead caulked / flanged joints to sand cast iron 100mm dia pipes and fittings.	5.00	NO	365.57	1827.85
155.	Providing lead caulked / flanged joints to sand cast iron 150mm dia pipes and fittings.	5.00	NO	499.92	2499.60
156.	Providing, fixing and embedding sand cast iron accessories for 100mm dia rain water pipes in the masonry surrounded with 12mm thick cement mortar of the same mix as that of masonry (lead caulking will be paid for separately.)- SCI plain bend / Plain shoe.	5.00	NO	103.06	515.30
157.	Providing, fixing and embedding sand cast iron accessories for 150mm dia rain water pipes in the masonry surrounded with 12mm thick cement mortar of the same mix as that of masonry (lead caulking will be paid for separately.)- SCI plain bend / Plain shoe.	5.00	NO	240.91	1204.55
158.	Providing and fixing on wall face unplasticised- PVC rain water / Sewerage pipes 75mm dia of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - single socketed pipes.	227.00	Meter	174.57	39627.39
159.	Providing and fixing on wall face unplasticised- PVC rain water / Sewerage pipes 110mm dia of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - single socketed pipes.	224.00	Meter	264.84	59324.16
160.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 75mm dia of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - coupler	10.00	NO	67.57	675.70
161.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 110mm dia of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - coupler	10.00	NO	102.24	1022.40
162.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 75mmx75mmx75mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Single tee with door.	2.00	NO	121.40	242.80
163.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 110mmx110mmx110mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Single tee with door.	3.00	NO	176.48	529.44
164.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 75x75x75mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing	5.00	NO	106.28	531.40

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Single tee without door.				
165.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes 110x110x110mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Single tee without door.	26.00	NO	163.68	4255.68
166.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Bend 75mm	3.00	NO	56.27	168.81
167.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - Bend 110mm	3.00	NO	112.71	338.13
168.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - 75mm Shoe (plain)	5.00	NO	46.98	234.90
169.	Providing and fixing on wall face unplasticised- PVC moulded fittings/ accessories for unplasticised- PVC rain water pipes of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG confirming to IS:13592 type-A including jointing with seal ring confirming to IS:5382 leaving 10mm gap for thermal expansion - 110mm Shoe (plain)	5.00	NO	98.77	493.85
170.	Providing and fixing unplasticised- 75mm PVC pipe clips of approved design to unplasticised- PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed wit MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete.	11.00	NO	250.04	2750.44
171.	Providing and fixing unplasticised- 110mm PVC pipe clips of approved design to unplasticised- PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed wit MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete.	10.00	NO	250.74	2507.40
172.	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron, 3mm MS gusset plates at the junction and corners, all necessary fittings complete including applying a priming cat of approved steel primer. (Using MS angles 40x40x6mm for diagonal braces.) (All material to be supplied by contractor).	72.00	Square Meter	3860.29	277940.88
173.	Providing and fixing concrete filled pressed steel door frames of any Profile manufactured from commercial mild steels sheet of 1.25mm thickness including hinges jamb,	10.00	Meter	388.34	3883.40

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tall to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a priming coat of approved steel primer after pre-treatment of the surface as directed by Manager-in-charge. (All material to be supplied by the contractor).				
174.	Supplying and fixing 100mm dia cast iron rain water pipe with MS holder bat clamps including fixing or embedding into brick masonry or concrete wall, supply and fixing or necessary specials joints with spun yarn and cement mortar 1:2 (1 cement : 2 sand) scaffolding etc. complete.	5.00	Meter	649.07	3245.35
175.	Supplying and fixing 150mm dia cast iron rain water pipe with MS holder bat clamps including fixing or embedding into brick masonry or concrete wall, supply and fixing or necessary specials joints with spun yarn and cement mortar 1:2 (1 cement : 2 sand) scaffolding etc. complete.	5.00	Meter	927.23	4636.15
176.	Providing & fixing in position MS collapsible gate single or double, (including primer) according to opening size. The gate shall consist of vertical double channel each of size 20x10x2mm at 10cm center braced with flat iron diagonals 20x5mm top and bottom rail of tee iron 40x40x6mm with 40mm steel pulleys or ball bearing in every fourth double channels unless otherwise specified. (All materials will be supplied by the Contractor.)	10.00	Square Meter	7546.60	75466.00
177.	Repairing of MS collapsible gate with replacing the damaged portion of MS vertical channels, flats, rollers etc. by cutting, straightening, welding, riveting wherever necessary with primer and painting over the new works including greasing the same complete. (Required materials will be supplied by the Contractor.)	8.00	Square Meter	927.07	7416.56
178.	Cutting/welding by gas / Electric plant with all tools, tackles, labours etc. complete as per specification and direction of EIC.	100.00	Centimeter	2.93	293.00
179.	Supplying of bitumastic putty of approved brand and quality for arresting the leakage of rain water etc. complete as per manufacturers guidelines.	280.00	Kilogram	254.00	71120.00
180.	Providing and fixing aluminium alloy "L"/"J" type hook 8mm dia rod of all required length and square Nut confirming to aluminium alloy B-51S(SWP) including one no. curved / plane aluminium alloy washer of dia 25mm and one no. EPDM washers of size 25mm dia to suit 8mm dia "L"/"J" hooks of approved brand and quality and removing of existing "L"/"J" hooks from roof top if necessary etc. complete as per direction of Manager-in-charge for all heights.(Aluminium "L"/"J" hook, aluminium nut, aluminium washer and EPDM washer shall be supplied by the contractor) NB: (EPDM=ETHYLENE PROPYLENE DIENE MONOMER)	500.00	NO	30.79	15395.00
181.	Providing and fixing aluminium alloy seam bolt 8mm x 25mm long with aluminium square nut confirming to aluminium alloy B-51S(SWP) including one no. curved aluminium alloy washer of 25mm dia and one no. EPDM washers of 25mm dia to suit 8mm dia seam bolts of approved brand and quality, removing of existing seam bolt from roof top if necessary etc. complete as per direction of	100.00	NO	4.87	487.00

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	Manager-in-charge for all heights.(Aluminium seam bolt, aluminium square nut, aluminium washer and EPDM washer shall be supplied by the Contractor)				
182.	Providing and fixing stainless steel (Grade 304) architectural gates, trusses, hand rails, column structures, beams and all types other structures made of approved channels, angles, plates, flats, hollow tubes and box sections etc. including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete including fixing the same with necessary accessories & stainless steel dash fasteners, stainless steel bolts, stainless steel hinges etc. of required size with suitable arrangement as per approval of Manager in charge (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as MS nuts, bolts, fasteners etc.)	143.00	Kilogram	499.57	71438.51
183.	Fabrication and Erection of valley gutters of required size and shape at all heights including dismantling of sheets, gutters, refixing of sheets with all accessories like hooks, seam bolts, washers etc., connection with down comer rain water pipe, welding, levelling etc. complete as per the direction of EIC. (Steel material as FIM)	100.00	Meter	781.91	78191.00
184.	H. FINISHING White washing with lime on old work (one or more coats) to give an even shade including cleaning of old surface smoothening surface thoroughly including applying of adhesive / glue, including preparation of surface.	30.00	Square Meter	8.89	266.70
185.	White washing with lime on old work (Two or more coats) to give an even shade including cleaning of old surface smoothening surface thoroughly including applying of adhesive / glue, including preparation of surface.	20.00	Square Meter	14.55	291.00
186.	White washing with lime on new work (three or more coats) to give an even shade including cleaning and smoothening surface thoroughly including applying of adhesive / glue, including preparation of surface.	1,368.00	Square Meter	24.76	33871.68
187.	Supplying and applying water proof wall putty (BIRLA/ASIAN/BERGER) of 2mm thickness in two layers over the surface of the interior / exterior wall to prepare the surface even and smooth including cost of labours, tools and tackles, scaffolding etc. complete for all heights as per the specification and direction of MIC.	2,505.00	Square Meter	170.75	427728.75
188.	Finishing walls with water proofing cement paint of approved brand "Snow cem plus or equivalent from ASIAN / BERGER" and manufacture and of required shade on old work (one or more coats applied @ 2.20kg/10sqm) to give an even shade for all height, including preparation of surface.	2,224.00	Square Meter	36.17	80442.08
189.	Finishing walls with water proofing cement paint of approved brand "Snow cem plus or equivalent from ASIAN/BERGER" and manufacture and of required shade on new work (two or more coats) to give an even shade for all height, including preparation of surface.	4,056.00	Square Meter	79.20	321235.20
190.	Finishing wall with Textured exterior paint in two or more coats with 1st quality of ASIAN/BERGER/DULUX brand and of required shade and colour complete as per manufacturer's specification scaffolding etc. complete to give an even shade, including preparation of surface.	1,407.00	Square Meter	146.51	206139.57

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
191.	Oil bound washable distempering in one or more coats of approved quality and shade of ASIAN/BERGER/DULUX brand including sand papering, stopping all holes and depressions, scaffolding etc. complete for old work to give an even shade including preparation of surface.	1,497.00	Square Meter	41.70	62424.90
192.	Distempering in two or more coats with 1st quality acrylic washable distemper (ready mixed) of ASIAN/BERGER/DULUX brand and of required shade and colour complete as per manufacturer's specification, scaffolding etc. including preparation of surface.	9,629.00	Square Meter	75.64	728337.56
193.	Oil bound distempering in two or more coats of approved quality and shade of ASIAN/BERGER/DULUX brand including, Priming coat with cement primer sand papering, stopping all holes and depressions primer coat of the same manufactures, scaffolding etc. complete for new works to give an even shade, including preparation of surface.	2,852.00	Square Meter	133.20	379886.40
194.	Wall Painting with plastic emulsion paint on new work (Two or more coat) of APCOLITE of ASIAN PAINT or equivalent from BERGER/DULUX brand to give an even shed etc. complete as per direction of EIC, including preparation of surface.	715.00	Square Meter	111.67	79844.05
195.	Providing & painting with premium acrylic smooth interior emulsion (Apcolite of Asian Paint or equivalent of Berger) of approved quality and shade including scrapping, sand papering, closing all holes and depressions , cleaning of rust, scales, dust, surface preparation, scaffolding etc. at all heights and locations with all bye works complete of the same manufactures, etc. complete as directed of Manager-in-charge for new works/old work to give an even shade.- One or more coats on new work/old work	10.00	Square Meter	73.48	734.80
196.	Finishing walls with Acrylic smooth exterior paint of new work (Two or more coat applied @ 1.43 ltr/10sqm) over and including base coat of external primer Apex Ultima of ASIAN PAINT or Equivalent from BERGER/DULUX brand @ 2.2kg/10sqm, including preparation of surface.	43,045.00	Square Meter	139.91	6022425.95
197.	Finishing walls with Acrylic smooth exterior paint of new work (Two or more coat applied @ 1.43 ltr/10sqm) with Apex Ultima of ASIAN PAINT or Equivalent from BERGER/DULUX brand as per the direction of EIC, including preparation of surface.	10,000.00	Square Meter	105.17	1051700.00
198.	Finishing walls with (One or more coat) surface primer over plastered surface including preparation of surface, tools, tackles all complete. ASIAN/BERGER/DULUX brand, including preparation of surface.	10,000.00	Square Meter	52.10	521000.00
199.	Finishing walls with (One or more coat) smart care damp proof supreme or equivalent over plastered surface including preparation of surface, tools, tackles all complete. ASIAN/BERGER/DULUX brand, including preparation of surface.	5,000.00	Square Meter	113.13	565650.00
200.	Finishing walls with Acrylic smooth exterior paint of old work (one or more coat applied @ 0.90 ltr / 10 sqm) on existing cement paint surface as per direction of EIC(Apex Ultima of ASIAN PAINT Or Equivalent from Berger /Dulux, including preparation of surface.	11,078.00	Square Meter	58.46	647619.88
201.	Painting one or more coats with first grade synthetic enamel paint (APCOLITE of ASIAN PAINT or equivalent) for steel and wood work of approved brand and	2,888.00	Square Meter	69.41	200456.08

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	manufacture in all shades on old work to give an even shade, including preparation of surface.				
202.	Painting two or more coats with first grade synthetic enamel paint (APCOLITE of ASIAN or equivalent) of approved brand and manufacture in all shades of new/old work, including preparation of surface.	3,325.00	Square Meter	105.50	350787.50
203.	Painting (One or more coats) with aluminium paint of ASIAN/BERGER/DULUX brand on old work to give an even shade including preparation of surface, including preparation of surface.	113.00	Square Meter	63.60	7186.80
204.	Painting (Two or more coats) with aluminium paint of ASIAN/BERGER/DULUX brand on old work to give an even shade including preparation of surface.	200.00	Square Meter	97.44	19488.00
205.	Painting (One or more coats) with black anti corrosive bitumastic paint of approved brand and manufacture on old work to give an even shade including preparation of surface.	5.00	Square Meter	61.57	307.85
206.	Painting black boards with paint suitable for blackboard painting as directed by MIC.	140.00	Square Meter	62.90	8806.00
207.	French spirit polishing (One or more coats) on old work as directed by MIC.	45.00	Square Meter	153.50	6907.50
208.	Applying one coat of cement primer of ASIAN/BERGER/DULUX brand on wall surface including preparation of surface.	1,425.00	Square Meter	52.11	74256.75
209.	Applying priming coat with ready mixed primer of ASIAN/BERGER/DULUX brand on steel work complete. Steel work (Red oxide zinc chromate primer) including preparation of surface.	736.00	Square Meter	44.01	32391.36
210.	Applying priming coat with ready mixed primer of approved brand and manufacture on wood work complete, including preparation of surface.	102.00	Square Meter	49.53	5052.06
211.	Removing white wash, colour wash, washable distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches, holes etc. complete, including preparation of surface.	336.00	Square Meter	5.60	1881.60
212.	Painting (two or more coats) on rain water, soil waste and vent pipes (100mm dia) and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work, including preparation of surface.	50.00	Meter	50.49	2524.50
213.	Painting (two or more coats) on rain water, soil waste and vent pipes (150mm dia) and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work, including preparation of surface.	50.00	Meter	68.68	3434.00
214.	Painting (one or more coats) on rain water, soil waste and vent pipes (100mm dia) and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work including preparation of surface.	25.00	Meter	23.57	589.25
215.	Painting (one or more coats) on rain water, soil waste and vent pipes (150mm dia) and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work including preparation of surface.	25.00	Meter	33.94	848.50
216.	Painting (two or more coats) on rain water, soil waste and vent pipes (100mm dia) and fittings with synthetic enamel paint of approved brand and manufacture and required	25.00	Meter	55.27	1381.75

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	colour over a priming coat of approved steel primer on new work, including preparation of surface.				
217.	Painting (two or more coats) on rain water, soil waste and vent pipes (150mm dia) and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work, including preparation of surface.	25.00	Meter	82.35	2058.75
218.	Supplying and applying a layer of 2mm thick plaster of Paris on the surface of the wall with best quality including all labours, tools and tackles & sand papering etc. for all heights, including preparation of surface.	45.00	Square Meter	170.75	7683.75
219.	Finishing with Epoxy paint (two or more coats) on steel work at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc. complete as per direction of EIC.	50.00	Square Meter	164.73	8236.50
220.	I. DISMANTLING & DEMOLISHING: Dismantling Brick work & cement mortar and disposal of materials within 100M lead including stacking and cleaning the area all complete.	527.00	Cubic Meter	1276.05	672478.35
221.	Dismantling of Plain cement concrete and disposal of materials within 100M lead including stacking and cleaning the area all complete.	539.00	Cubic Meter	1508.32	812984.48
222.	Dismantling of RCC work and disposal of materials within 100M lead including stacking and cleaning the area all complete.	730.00	Cubic Meter	2200.46	1606335.80
223.	Dismantling of RR masonry work and disposal of materials within 100M lead including stacking and cleaning the area all complete.	8.00	Cubic Meter	1522.94	12183.52
224.	Dismantling doors, windows and clearstory windows of area 3 sqm and below (steel or wooden) shutter including chookaths hold fast etc. complete and stacking with 50M.	366.00	NO	238.28	87210.48
225.	Dismantling doors, windows and clearstory windows of area beyond 3 sqm (steel or wooden) shutter including chookaths hold fast etc. complete and stacking with 50M.	27.00	NO	326.10	8804.70
226.	Dismantling of steel works in all section including dismembering and stacking within 50M lead in joist channel angle, tee and flats, gusset plate, nuts, cutting rivets, welding etc. complete as per direction of EIC. (Dismantled materials will be hand over to Nalco scrap yard)	27.00	Metric Tonne	3616.56	97647.12
227.	Dismantling of rain water down comer pipe upto 150mm dia (PVC / CI) including removal of clamps bringing down and stacking for transport etc. all complete.	2.00	Meter	49.74	99.48
228.	Dismantling of GS/Aluminium / Asbestos / translucent /PPGL/CGI/ACRYALIC sheet including ridges, hips valleys and gutters etc. and stacking the material within 50 metres lead all complete as per direction of EIC.	14,016.00	Square Meter	105.81	1483032.96
229.	Dismantling old plaster or skirting racking out joints and cleaning the surface for plaster including disposal of rubbish with 100M lead.	626.00	Square Meter	33.87	21202.62
230.	Chipping of concrete floor up to 10mm thick including clearing the surface and removal of debris.	1,448.00	Square Meter	12.54	18157.92
231.	Chipping of concrete floor above 10mm thick to 25mm thick including clearing the surface and removal of debris.	681.00	Square Meter	34.27	23337.87

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
232.	Removal of old barbed wire from existing angle iron posts, RCC post making workable rolls and stacking carefully as per the direction of Engineer-in-charge.	10.00	Kilogram	22.81	228.10
233.	Removing of old Tarfelting from roof and wall and disposal in low lying area.	86.00	Square Meter	14.83	1275.38
234.	Removal and Refixing of precast slabs up to 1 sqm area over trenches, drains etc.	14.00	NO	34.51	483.14
235.	Removal and Refixing of precast slabs above 1 sqm area over trenches, drains etc.	128.00	NO	35.52	4546.56
236.	Dismantling, stacking, transportation of RCC posts including excavation of earth and dismantling of PCC etc as per instruction of Manager-in-charge.	20.00	NO	158.53	3170.60
237.	Dismantling, stacking, transportation of MS ANGLE posts including excavation of earth and dismantling of PCC etc as per instruction of Manager-in-charge.	20.00	NO	147.79	2955.80
238.	Dismantling GI pipe up to 40mm nominal bore with fittings including stacking properly and returning to storage yard.	213.00	Meter	93.89	19998.57
239.	Dismantling GI pipe above 40mm nominal bore with fittings including stacking properly and returning to storage yard.	374.00	Meter	102.34	38275.16
240.	Dismantling RCC pipe up to 600mm dia with collar including excavation and refilling, transporting to storage yard.	10.00	Meter	439.44	4394.40
241.	Dismantling of wooden partition/false ceilings /Aluminium partition / false flooring and transportation of the dismantled material to the storage yard as directed by Manager-in-charge.	115.00	Square Meter	49.74	5720.10
242.	Cutting of pockets in all types of concrete not exceeding 0.1 sqm. in plan and upto a depth of 0.5m. including disposal of all rubbish up to a lead of 100m. and finishing surface in CM 1:3	226.00	NO	299.99	67797.74
243.	Cutting of pockets in all brick masonry work not exceeding 0.1 sqm. in plan and upto a depth of 0.5m. including disposal of all rubbish up to a lead of 100m. and finishing surface in CM 1:3	157.00	NO	199.99	31398.43
244.	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 100 mtr lead. For thickness of tiles up to 25mm.	138.00	Square Meter	47.63	6572.94
245.	Dismantling of 100mm dia old CI pipes at all height & depth including cutting, excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 100 metre as per direction of EIC.	10.00	Meter	282.80	2828.00
246.	Dismantling of 125mm dia old CI pipes at all height & depth including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 100 metre as per direction of EIC.	10.00	Meter	292.38	2923.80
247.	Dismantling of 150mm dia old CI pipes at all height & depth including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 100 metre as per direction of EIC.	72.00	Meter	302.08	21749.76
248.	J. ROADS Dry stone pitching 22.50cm thick with black granite boulders and filling the intersection with moorum/ sand/	100.00	Square Meter	529.50	52950.00

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1	2	3	4	5	6 = (5 x 3)
	crusher dust including supply of stone and filler materials, dressing of earth to required shape etc. complete.				
249.	Preparation of sub grade by excavating earth to an average of 22.50cm depth including dressing and cambering etc. including compacting of sub grade with power road roller including making good the undulations etc. disposed of surplus earth with lead upto 50M & lift upto 1.5M.	100.00	Square Meter	136.09	13609.00
250.	Extra for Compacting of sub grade with road roller in embankment including making good the undulation etc. complete.	100.00	Cubic Meter	15.81	1581.00
251.	Cutting of Water Bound Macadam road and making good the same including supply extra quantities of aggregate, moorum, sand , labour etc.. as required and as per direction of the Manager-in-charge.	10.00	Cubic Meter	2003.96	20039.60
252.	Cutting of Bituminous surface road and making good the same including supply extra quantities of aggregate, moorum, sand, labour etc. as required and as per direction of the Manager-in-charge.	1.00	Cubic Meter	3215.49	3215.49
253.	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications , complete as per specifications and directions of Manager-in-Charge.- 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity. Mode of measurement same as item.13. Requirement of ingredients for production of 1.0 Cum bituminous macadam. (a) Paving asphalt of grade VG-30 @ 3.5% by weight of total mix 76.83 Kg. (b) Stone aggregate single size: 25mm nominal size 0.282 Cum. c) Stone aggregate single size: 10mm nominal size 0.565 Cum. (d) Stone aggregate single size: 6mm nominal size 0.282 Cum. (e) Stone chippings/ screenings 4.75mm size 0.282 Cum. Weight of 1 Cum bituminous macadam is 2.195 MT.) Mode of measurement : Measurement shall be made on volumetric basis . Volume of bituminous macadam will be worked out by weight of BM recorded at weighbridge divided by density of BM of 2.195MT/ Cum. Weighment of tipper/ Hyva shall be recorded at weighbridge of Nalco steel yard. The bidder is requested to quoted their price accordingly.	10.00	Cubic Meter	6712.07	67120.70
254.	Scarifying metaled (water bound) road surface including disposal of rubbish lead upto 50M and consolidation with road roller of the aggregate received from scarifying.	10.00	Square Meter	21.33	213.30
255.	Supplying and applying of Painting (STP/BERGER/ASIAN) for road surface marking with two or more coats to give uniform finish with ready mixed road marking paint on biutmenous /concrete surface in approved shade including cleaning the surface of all dirt, scales, oil, grease and foreign materials etc. complete.	200.00	Square Meter	187.45	37490.00
256.	Supplying and applying of Painting (STP/BERGER/ASIAN) for road surface marking with one or more coats to give uniform finish with ready mixed road marking paint on biutmenous /concrete surface in approved shade including	200.00	Square Meter	122.97	24594.00

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	cleaning the surface of all dirt, scales, oil, grease and foreign materials etc. complete.				
257.	Providing and laying to proper grade and level stone boulder packing of size 200mm and down as sub base in plinth, flooring and roads including filling interstices with spall and binding material (sand) rolling with power road roller compacting watering etc. all complete as per specifications and direction of Manager-in-charge.	10.00	Cubic Meter	1151.63	11516.30
258.	Providing and laying water bound macadam of required thickness with granite stone aggregate 40-63mm nominal size including screening, laying, spreading and consolidating with adequate binding material with 8 to 10 MT road roller (payment to be made for consolidated thickness only etc. all complete.)	10.00	Cubic Meter	1998.99	19989.90
259.	Supplying, stacking and spreading moorum including consolidation to level etc. complete.	5.00	Cubic Meter	701.28	3506.40
260.	Providing 20mm wide expansion joint in flooring and pavement slabs around foundation, columns, pedestals etc. including cleaning the joints from all loose materials filling clean sand for the full depth of the slab of thickness upto 300mm except 25mm depth front top and sealing the top 25mm with approved mastic joints sealing compound as per IS:1834 type including shuttering all complete as per specification and direction of Manager-in-charge.	15.00	Meter	25.47	382.05
261.	Soling of berms, Pavements etc. with used fire clay bricks after dressing and filling the joints with sand / moorum including loading and unloading of bricks etc. all complete as per the specification and directions of Manager-in-charge. (N.B. Fire bricks to be collected from Nalco issue point) (Sand to be supplied by the contractor).	8,761.00	Square Meter	32.33	283243.13
262.	Supplying, stacking and spreading stone crusher dust including consolidation to level etc. complete.	74.00	Cubic Meter	680.63	50366.62
263.	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, including preparing the surface & cleaning with mechanical broom/manually with air compressor.-With rapid setting bitumen emulsion- On W.B.M / W.M.M. @ 0.4kg/sqm	500.00	Square Meter	10.30	5150.00
264.	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, including preparing the surface & cleaning with mechanical broom/manually with air compressor.-With rapid setting bitumen emulsion- On bituminous surface @ 0.25kg/sqm	500.00	Square Meter	6.98	3490.00
265.	K. WATER SUPPLY: Supplying and fixing GI plug 15mm including dismantling the old one from the existing pipe line etc all complete as per the specifications and direction of Manager-in-charge.	24.00	NO	5.33	127.92
266.	Supplying and fixing GI plug 20mm including dismantling the old one from the existing pipe line etc all complete as per the specifications and direction of Manager-in-charge.	24.00	NO	5.33	127.92
267.	Supplying and fixing GI plug 25mm to 40mm including dismantling the old one from the existing pipe line etc all complete as per the specifications and direction of Manager-in-charge.	2.00	NO	10.70	21.40
268.	Supplying and Fixing GI Reducing sockets 20mm x 15mm	2.00	NO	12.83	25.66
269.	Supplying and Fixing GI Reducing sockets 25mm x 15mm	2.00	NO	10.70	21.40
270.	Supplying and Fixing GI Reducing sockets 25mm x 20mm	3.00	NO	17.13	51.39
271.	Supplying and Fixing GI Reducing sockets 32mm x 20mm	2.00	NO	25.70	51.40

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1	2	3	4	5	6 = (5 x 3)
272.	Supplying and Fixing GI Reducing sockets 40mm x 32mm	2.00	NO	35.33	70.66
273.	Supplying and Fixing GI Reducing sockets 50mm x 40mm	2.00	NO	55.68	111.36
274.	Supplying and Fixing GI plain Tee 15mm	2.00	NO	12.83	25.66
275.	Supplying and Fixing GI plain Tee 20mm	16.00	NO	20.34	325.44
276.	Supplying and Fixing GI plain Tee 25mm	10.00	NO	31.04	310.40
277.	Supplying and Fixing GI plain Tee 32mm	2.00	NO	46.04	92.08
278.	Supplying and Fixing GI plain Tee 40mm	2.00	NO	63.18	126.36
279.	Supplying and Fixing GI plain Tee 50mm	2.00	NO	49.85	99.70
280.	Supplying and Fixing GI Elbow and reducing elbow 15mm / 20mm	2.00	NO	13.38	26.76
281.	Supplying and Fixing GI Elbow and reducing elbow 25mm	3.00	NO	21.95	65.85
282.	Supplying and Fixing GI Elbow and reducing elbow 32mm	3.00	NO	35.33	105.99
283.	Supplying and Fixing GI Elbow and reducing elbow 40mm	21.00	NO	48.17	1011.57
284.	Supplying and Fixing GI Elbow and reducing elbow 50mm	2.00	NO	44.86	89.72
285.	Providing and fixing 15mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	2.00	NO	535.76	1071.52
286.	Providing and fixing 20mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	3.00	NO	557.83	1673.49
287.	Providing and fixing 25mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	2.00	NO	626.34	1252.68
288.	Providing and fixing 32mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	2.00	NO	664.67	1329.34
289.	Providing and fixing 40mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	2.00	NO	723.90	1447.80
290.	Providing and fixing 50mm GI union in GI pipe including cutting and threading the pipe and making long screws etc. complete (new work)	2.00	NO	970.71	1941.42
291.	Supplying & Fixing GI Socket 15mm dia	15.00	NO	10.70	160.50
292.	Supplying & Fixing GI Socket 20mm dia	62.00	NO	11.78	730.36
293.	Supplying & Fixing GI Socket 25mm dia	17.00	NO	16.59	282.03
294.	Supplying & Fixing GI Socket 32mm dia	2.00	NO	23.54	47.08
295.	Supplying & Fixing GI Socket 40mm dia	2.00	NO	32.12	64.24
296.	Supplying & Fixing GI Socket 50mm dia	2.00	NO	40.34	80.68
297.	Supplying & Fixing GI short piece of 15mm dia	2.00	NO	9.63	19.26
298.	Supplying & Fixing GI short piece of 20mm dia	19.00	NO	11.78	223.82
299.	Supplying & Fixing GI short piece of 25mm dia	16.00	NO	16.04	256.64
300.	Supplying & Fixing GI short piece of 32mm dia	2.00	NO	21.40	42.80
301.	Supplying & Fixing GI short piece of 40mm dia	2.00	NO	26.75	53.50
302.	Supplying & Fixing GI short piece of 50mm dia	2.00	NO	49.85	99.70
303.	Providing and fixing 15mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	10.00	Meter	247.28	2472.80
304.	Providing and fixing 20mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	10.00	Meter	298.66	2986.60
305.	Providing and fixing 25mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	10.00	Meter	380.18	3801.80

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
306.	Providing and fixing 32mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	10.00	Meter	459.77	4597.70
307.	Providing and fixing 40mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	9.00	Meter	555.19	4996.71
308.	Providing and fixing 50mm GI pipes complete with GI fittings and clamps including cutting and making good the wall etc. all complete for internal works.	24.00	Meter	682.92	16390.08
309.	Providing and fixing 15mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing as aplicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	100.00	Meter	209.64	20964.00
310.	Providing and fixing 20mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing as aplicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	505.00	Meter	266.42	134542.10
311.	Providing and fixing 25mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing as aplicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	972.00	Meter	320.47	311496.84
312.	Providing and fixing 32mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing as aplicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	50.00	Meter	417.10	20855.00
313.	Providing and fixing 40mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass	50.00	Meter	562.99	28149.50

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	threaded fittings including fixing the pipe with clamps at 1.00m spacing as applicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.				
314.	Providing and fixing 50mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for work - Exposed on wall, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing as applicable at all height, level and slopes etc complete including jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	20.00	Meter	784.25	15685.00
315.	Providing and fixing 15mm Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for concealed work including cutting chases and making good the walls , having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	50.00	Meter	360.92	18046.00
316.	Providing and fixing 20mm Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for concealed work including cutting chases and making good the walls , having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	235.00	Meter	420.37	98786.95
317.	Providing and fixing 25mm Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for concealed work including cutting chases and making good the walls , having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings like union, adopter, Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.	82.00	Meter	493.14	40437.48
318.	Providing and fixing 32mm Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR-13.5) of brand AJAY/ASTRAL/ASHIBARD /SUPREME/FINOLEX for concealed work including cutting chases and making good the walls , having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings like union, adopter,	5.00	Meter	609.90	3049.50

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	Elbow, socket, tee, bend, plug etc. with one step CPVC solvent cement and testing of joints complete as per direction of EIC.				
319.	Labour charges for laying 15mm dia GI pipes including supplying necessary GI fitting, labours, tools, tackles all complete.	50.00	Meter	22.22	1111.00
320.	Labour charges for laying 20mm dia GI pipes including supplying necessary GI fitting, labours, tools, tackles all complete.	29.00	Meter	29.15	845.35
321.	Labour charges for laying 25mm dia GI pipes including supplying necessary GI fitting, labours, tools, tackles all complete.	40.00	Meter	33.34	1333.60
322.	Labour charges for laying 32-40mm dia GI pipes including supplying necessary GI fitting, labours, tools, tackles all complete.	50.00	Meter	45.16	2258.00
323.	Labour charges for laying 50-65mm dia GI pipes including supplying necessary GI fitting, labours, tools, tackles all complete.	10.00	Meter	63.91	639.10
324.	Making connection of GI distribution branch with GI main line by providing and fixing tee (15mm to 40mm dia) including cutting and threading the pipe etc. complete for all dia pipes.	5.00	NO	584.56	2922.80
325.	Making connection of GI distribution branch with GI main line by providing and fixing tee (above 40mm dia) including cutting and threading the pipe etc. complete for all dia pipes.	5.00	NO	1243.66	6218.30
326.	Providing and laying CI S & S/Non standard specials and standard specials (such as tees, plugs, bends, collars tapers, cans etc. (medium class) upto 300 mm dia meter.	2.00	Quintal (100 Kgs)	4678.22	9356.44
327.	Providing and fixing S & S centrifugally cast iron pipes (100mm nominal dia) class (LA) including cost of lead caulking and rubber insert according to the joint.	10.00	Meter	1049.72	10497.20
328.	Providing and fixing 25mm gun-metal wheel valve including dismantling of damaged valves, cutting and threading in the GI pipe, providing required short pieces of length not exceeding 30 cm , nuts, rubber gasket, tail pieces etc.	53.00	NO	431.53	22871.09
329.	Providing and fixing 32mm gun-metal wheel valve including dismantling of damaged valves, cutting and threading in the GI pipe, providing required short pieces of length not exceeding 30 cm , nuts, rubber gasket, tail pieces etc.	10.00	NO	504.54	5045.40
330.	Providing and fixing 40mm gun-metal wheel valve including dismantling of damaged valves, cutting and threading in the GI pipe, providing required short pieces of length not exceeding 30 cm , nuts, rubber gasket, tail pieces etc.	5.00	NO	588.85	2944.25
331.	Providing and fixing 50mm gun-metal wheel valve including dismantling of damaged valves, cutting and threading in the GI pipe, providing required short pieces of length not exceeding 30 cm , nuts, rubber gasket, tail pieces etc.	2.00	NO	754.47	1508.94
332.	Providing lead caulked joints to spun iron of CI pipes and special including testing of the joints, cost of lead etc. complete as per direction of EIC. (80mm to 100mm dia pipe)	5.00	NO	325.31	1626.55

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
333.	Providing lead caulked joints to spun iron of CI pipes and special including testing of the joints, cost of lead etc. complete as per direction of EIC. (150mm dia pipe)	5.00	NO	488.42	2442.10
334.	Removing chokage of 100mm dia rain water #pipe etc. complete.	100.00	Meter	16.65	1665.00
335.	Removing chokage of 150mm dia rain water #pipe etc. complete.	100.00	Meter	18.51	1851.00
336.	Providing and fixing 15mm nominal bore brass bib cock of approved quality with ISI mark weighing 400gms.	3.00	NO	265.26	795.78
337.	Providing and fixing 15mm CP brass push cock for water cooler as per ISI mark. (heavy duty)	35.00	NO	820.03	28701.05
338.	Providing and fixing 15mm nominal bore brass stop cock of approved quality with ISI mark weighing 400gms.	2.00	NO	262.61	525.22
339.	Providing and fixing 15mm nominal bore brass ferrule mouth cover including boring and tapping the main.	2.00	NO	256.19	512.38
340.	Providing and fixing 20mm nominal bore brass ferrule mouth cover including boring and tapping the main.	2.00	NO	295.42	590.84
341.	Providing and fixing 25mm nominal bore brass ferrule mouth cover including boring and tapping the main.	2.00	NO	380.51	761.02
342.	Providing and fixing 100mm dia CP brass shower rose with 15mm or 20mm inlet.	2.00	NO	1623.95	3247.90
343.	Providing and fixing 150mm dia CP brass shower rose with 15mm or 20mm inlet.	2.00	NO	1315.53	2631.06
344.	Providing and fixing CP brass revolving shower rose with 15mm inlet 100mm dia with bracket.	2.00	NO	324.52	649.04
345.	Providing and fixing PVC revolving shower rose with 15mm inlet 100mm dia with bracket.	2.00	NO	370.89	741.78
346.	Supplying and fixing 15mm nominal bore CP brass pillar cock of approved make (ARK/SONA/GEM)	2.00	NO	406.76	813.52
347.	Supplying and fixing 15mm nominal bore CP brass bib cock of approved make (ARK/SONA/GEM)	2.00	NO	363.71	727.42
348.	Rewashing 15mm bib cock, stop cock, push cock or pillar cock including stacking properly returning to store old one.	2.00	NO	13.87	27.74
349.	Providing and fixing clamps for GI pipes upto 40mm dia.	232.00	NO	8.15	1890.80
350.	Dismantling 15mm nominal bore PVC pipe connection and Refixing the same, water tight, cleaning pipe including necessary testing.	2.00	NO	9.99	19.98
351.	Repair of leaky brass bib cocks/ stop cocks/ concealed stop cock / pillar cocks etc. by replacing brass spindle with complete fittings etc. including supply of spindle.	2.00	NO	83.43	166.86
352.	Supplying and fixing 15mm nominal bore CP brass stop cock/Angle stop cock of approved make (ARK/SONA/GEM)	2.00	NO	843.03	1686.06
353.	Providing and fixing 15mm nominal bore CP brass concealed stop cock of approved make with all necessary fittings etc. complete as per direction of EIC.	2.00	NO	526.25	1052.50
354.	Providing and fixing P.T.M T (An Engineering thermoplastic) bib cock 15mm nominal size, 86mm long, weight not less than 88 grms.of approved quality / colour and make of Prayag or equivalent etc. as per direction of EIC.	77.00	NO	101.19	7791.63
355.	Providing and fixing P.T.M T (An Engineering thermoplastic) stop cock 15mm nominal size, 86mm long, weight not less than 88 grms.of approved quality / colour and make of Prayag or equivalent etc. as per direction of EIC.	10.00	NO	101.19	1011.90

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
356.	Providing and fixing P.T.M T (An Engineering thermoplastic) pillar cock 15mm nominal size, 107mm long, weight not less than 110 grms.of approved quality / colour and make of Prayag or equivalent etc. as per direction of EIC.	16.00	NO	164.23	2627.68
357.	Providing and fixing P.T.M T (An Engineering thermoplastic) push cock 15mm nominal size, 98mm long, weight not less than 75 grms.of approved quality / colour and make of Prayag or equivalent etc. as per direction of EIC.	10.00	NO	90.72	907.20
358.	Providing and fixing P.T.M T (An Engineering thermoplastic) grating circular type of 100mm nominal dia of approved quality colour and make with circular type.	10.00	NO	32.89	328.90
359.	P/F CP brass swan neck bib cock with CP 3-4 way valve for laboratory of approved quality with ISI mark, all complete as per specification and direction of Manager-in-charge.	2.00	NO	1390.86	2781.72
360.	Providing & fixing 15mm nominal dia CP brass bib cock make of Jaguar model No.037 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	1914.93	3829.86
361.	Providing & fixing 15mm nominal dia CP brass stop cock (male/ female) make of Jaguar model No.093/097 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	1127.43	2254.86
362.	Providing & fixing 15mm nominal dia CP brass Angular stop cock make of Jaguar model No.053 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	1389.93	2779.86
363.	Providing & fixing 15mm nominal dia CP brass Pillar cock make of Jaguar model No.011/021 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	2046.18	4092.36
364.	Providing & fixing 15mm nominal dia CP brass Pillar cock make of Jaguar model No.5011 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	796.71	1593.42
365.	Providing & fixing 15mm nominal dia CP brass sensor type Pillar cock make of Jaguar model No.51011 or equivalent with all fittings etc. complete as per specification and direction of EIC.	2.00	NO	14095.28	28190.56
366.	P/F of CP gratings of size up to 150mm dia	22.00	NO	106.22	2336.84
367.	P/F of CP Urinal spreader of orienta/viking/ or equivalent as per the detection of EIC.	2.00	NO	243.12	486.24
368.	P/F PTMT urinal spreader 15mm inlet and size 95x69x100mm with 0.5" BSP thread and shapes,weight not less than 60gms.	2.00	NO	103.98	207.96
369.	Providing & Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / HPHD plastic ball with 15mm nominal bore, 105mm long, weighing not less than 138gms	5.00	NO	166.26	831.30
370.	Providing & Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / HPHD plastic ball with 20mm nominal bore, 120mm long, weighing not less than 198gms	5.00	NO	219.31	1096.55
371.	Providing & Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium	5.00	NO	411.73	2058.65

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	rod with L.P. / HPHD plastic ball with 25mm nominal bore, 152mm long, weighing not less than 440gms				
372.	Providing & Fixing CP waste in basin / sink	2.00	NO	221.34	442.68
373.	Providing & Fixing PTMT angle stop cock	53.00	NO	283.07	15002.71
374.	Providing & Fixing of 40mm dia CPVC elbow	5.00	NO	46.11	230.55
375.	P/F of 40mm dia CPVC male TA	15.00	NO	19.44	291.60
376.	P/F of 40mm dia CPVC Female TA	15.00	NO	14.14	212.10
377.	P/F of 40mm dia CPVC socket	36.00	NO	47.87	1723.32
378.	P/F of 40mm dia CPVC end cap	5.00	NO	14.45	72.25
379.	L. SANITARY Providing and laying light duty confirming to IS: 458 non pressure NP2 class 100mm dia 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.	50.00	Meter	358.02	17901.00
380.	Providing and laying light duty confirming to IS: 458 non pressure NP2 class 150mm dia 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.	50.00	Meter	398.10	19905.00
381.	Providing and laying light duty confirming to IS: 458 non pressure NP2 class 250mm dia 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.	10.00	Meter	649.70	6497.00
382.	Providing and laying light duty confirming to IS: 458 non pressure NP3 class 300mm dia 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.	10.00	Meter	743.36	7433.60
383.	Providing and laying light duty confirming to IS: 458 non pressure NP2 class 450mm dia 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.	10.00	Meter	1195.12	11951.20
384.	Providing and laying light duty confirming to IS: 458 non pressure NP2 class 500mm dia 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.	10.00	Meter	1423.35	14233.50
385.	Making connection of drain or sewerage line of dia 100mm to 230mm with existing manhole including breaking into and making good the walls floors with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and making channels etc.	5.00	NO	569.56	2847.80
386.	Making connection of drain or sewerage line of dia 250mm to 300mm with existing manhole including breaking into and making good the walls floors with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and making channels etc.	5.00	NO	595.59	2977.95
387.	Making connection of drain or sewerage line of dia 300mm to 450mm with existing manhole including breaking into	3.00	NO	869.35	2608.05

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	and making good the walls floors with cement concrete 1:2:4 (1 cement:2 coarse sand : 4 stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and making channels etc.				
388.	Supplying and fixing CI cover without frame for manhole with 455x610mm rectangular CI cover (light duty) the weight of the cover to be not less than 23 kg.	10.00	NO	1151.21	11512.10
389.	Supplying and fixing CI cover without frame for manhole with 500mm diameter CI cover (medium duty) the weight of the cover to be not less than 58 kg.	2.00	NO	2780.20	5560.40
390.	Providing and fixing RCC manhole cover slabs 560mm dia of 100mm thick 1:2:4 concrete including the cost of curing, transportation and finishing reinforcement, shuttering etc. complete.	5.00	NO	185.41	927.05
391.	Cleaning of sewerage pipe line manually of any dia and disposal of rubbish, waste materials collected from the pipe within plant periphery (De-watering pump of desired capacity shall be arranged by the contractor at his own risk and cost)	200.00	Meter	61.25	12250.00
392.	Cleaning of storm water pipe line of any dia including removal of deposited silt, earth and waste materials from the pipe and disposal of the collected material at designated area within plant premises. (De-watering pump shall be arranged by the contractor at his own risk and cost)	200.00	Meter	55.61	11122.00
393.	Cleaning of manholes chambers of any size including of rubbish and waste materials from the chamber and disposal of the collected material at designated area within plant premises For storm water and LWT of main line, sewerage line.	12.00	NO	666.78	8001.36
394.	Cleaning of manholes chambers of any size including of rubbish and waste materials from the chamber and disposal of the collected material at designated area within plant premises For LWT/storm water/ sewer line/ (excluding main line)	321.00	NO	333.38	107014.98
395.	Providing and fixing 100mm dia approved quality CI soil/ waste pipe confirming to IS-1729 below ground with necessary specials, bends jointing with lead caulked joints and testing cutting in floors/ walls and making good the same, earth work in excavation back filling and removing of surplus earth upto a lead of 50m. etc. complete.	10.00	Meter	741.78	7417.80
396.	Supplying and laying cast iron soil waste and vent pipe 100mm dia confirming to IS:1729 above ground including specials, bends, such as "Y" junction "T" junction both (single and double) including plugs, shoes, cowls, jointing with jute gasket dipped in bitumen, caulking the joints in CM 1:2 and testing, cutting in floors/ walls and marking good the same, etc.	10.00	Meter	695.43	6954.30
397.	Supplying and laying cast iron soil waste and vent pipe 80mm dia confirming to IS:1729 above ground including specials, bends, such as "Y" junction "T" junction both (single and double) including plugs, shoes, cowls, jointing with jute gasket dipped in bitumen, caulking the joints in CM 1:2 and testing, cutting in floors/ walls and marking good the same, etc.	10.00	Meter	602.71	6027.10
398.	Providing and fixing 100mm dia sand cast iron plain bend of required degree.	10.00	NO	370.89	3708.90

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
399.	Providing and fixing 100mm dia sand cast iron bend of required degree with across door insertion rubber washer 3mm thick, bolts and nuts etc. complete	10.00	NO	389.43	3894.30
400.	Providing and fixing 80mm dia sand cast iron bend of required degree with across door insertion rubber washer 3mm thick, bolts and nuts etc. complete	10.00	NO	352.35	3523.50
401.	Providing and fixing 100x100mm dia size "P" type square mouth gully trap/floor trap graded complete with CI grating with bricks of class designation 50B masonry chamber and water tight CI cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.53kg and frame to be not less 2.72kg	4.00	NO	352.72	1410.88
402.	Providing and fixing white vitreous china water closet squatting WC pan size 580mmx440mm (Orissa type) parry or Hindware make with ISI mark.	4.00	NO	1337.84	5351.36
403.	P/F of ladies urinal (Squatting) of Parry or Hindware make with ISI mark.	2.00	NO	951.33	1902.66
404.	Providing and fixing white vitreous china pedestal P/S trap type (European) water closet pan Parryware, Jaquar or Hindware make with ISI mark.	3.00	NO	5927.39	17782.17
405.	Providing and fixing white vitreous china wash basin 630x450mm size including making all connections but excluding cost of fittings (Parry or Hindware make with ISI mark).	8.00	NO	989.03	7912.24
406.	Providing and fixing white vitreous china wash basin 550x400mm size including making all connections but excluding cost of fittings (Parry or Hindware make with ISI mark).	10.00	NO	779.98	7799.80
407.	Providing and fixing white glaze fire clay sink 450x300x150 size including making all connection excluding cost of fittings (Hindware/Parryware/Neycer ware ISI mark)	5.00	NO	1861.02	9305.10
408.	Providing and fixing white glaze fire clay sink 600x450x200 size including making all connection excluding cost of fittings (Hindware/Parryware/Neycer ware ISI mark)	5.00	NO	3022.39	15111.95
409.	Providing and fixing 10 ltr low level PVC cistern with dual flush arrangement of SlimLine / Parry ware or equivalent with fittings complete.	8.00	NO	1707.52	13660.16
410.	Providing and fixing of approved make flat back urinals of size 430x260x350mm including all fittings.	5.00	NO	1128.21	5641.05
411.	Providing and fixing of flat back urinal make of Hindware / Parryware or equivalent of size 610x450mm including all fittings etc. complete as per specification & direction of EIC.	2.00	NO	2213.07	4426.14
412.	Providing and fixing CI brackets for cistern or wash basin or sink etc.	13.00	NO	66.71	867.23
413.	Providing and fixing in position 18mm thick Granite stone slab of approved shade, table, rubbed, edge rounded and polished (both face) of required size in urinal partition by cutting a chase of appropriate width with chase cutter and embedding the same in the chase with Epoxy grout or with cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone of 6mm nominal size) etc. complete as per direction of EIC.	2.00	Square Meter	2792.68	5585.36
414.	Providing and fixing 600 x450 x4mm thick beveled edge mirror without AC / hard bord sheet backing.	15.00	NO	1094.39	16415.85
415.	Providing and fixing 600 x450 x4mm thick beveled edge mirror with AC / hard board sheet backing.	37.00	NO	1130.46	41827.02
416.	Providing and fixing 6mm thick superior glass mirror of approved brand over 6mm thick hard board with teak wood	2.00	Square Meter	2633.23	5266.46

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	beading of size 50mm x 25mm, wooden cleats, CP brass screws, washers etc. complete as per specification & direction of EIC.				
417.	Providing and fixing approved 32mm size CP waste for wash basin/ urinal	66.00	NO	600.17	39611.22
418.	Providing and fixing approved 40mm CP waste for sink.	10.00	NO	112.18	1121.80
419.	Providing and fixing 125mm dia CP grating for floor traps.	10.00	NO	77.87	778.70
420.	Providing and fixing CP soap dish with brackets fixing to wooden cleats with brass screws.	2.00	NO	102.00	204.00
421.	Providing and fixing 32mm dia CP bottle trap of approved quality.	2.00	NO	230.51	461.02
422.	Providing and fixing PVC handle set in low level cistern.	2.00	NO	180.17	360.34
423.	Providing and fixing in position 32mm dia PVC pipe telescopic flush pipe repairing of walls and floors with cement mortar 1:3.	11.00	NO	91.76	1009.36
424.	Providing and fixing 600x20mm size CP brass towel rail complete with CP brackets fixed to wooden closets with screws.	3.00	NO	195.82	587.46
425.	Providing and fixing 600x120x5mm glass shelf with edges rounded off supported on anodised aluminium angle frame with C.P brass brackets and guard rail complete fixed with 40mm long screws, rawl plugs etc. complete.	10.00	NO	730.78	7307.80
426.	Providing and fixing PTMT 450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170 gms.	3.00	NO	482.58	1447.74
427.	Providing and fixing PTMT shelf 440mm long, 124mm width and 36mm height of approved quality and colour. Weighing not less than 300gms.	5.00	NO	565.81	2829.05
428.	Providing and fixing White plastic sheet with lead for pedestals type WC pan with CP brass hinges rubber buffer etc.	5.00	NO	495.64	2478.20
429.	Supplying and fixing 15mm nominal bore 450mm PVC connection pipe (fibre reinforced with two nos. brass coupling complete.	6.00	NO	117.17	703.02
430.	Supplying and fixing 32mm dia PVC waste pipe with plastic union coupling for wash basin complete/ urinal sink etc.	98.00	NO	76.15	7462.70
431.	Supplying and fixing 40mm dia PVC waste pipe with plastic union coupling for wash basin complete/ urinal sink etc.	2.00	NO	85.43	170.86
432.	Providing and fixing rubber washer for low level cistern.	10.00	NO	32.12	321.20
433.	Repairing of cistern (stopping of leakage, over flow including changing washers nuts etc. if required.)	20.00	NO	94.45	1889.00
434.	Refixing wash basin/ sink with new screws and wooden plugs in the wall wherever necessary including making good the walls etc, complete with cement mortar 1:3 (1 cement: 3 sand)	20.00	NO	83.35	1667.00
435.	Repairing of bottle trap union of wash basin.	2.00	NO	46.29	92.58
436.	Repairing floors trap mouth with cement mortar 1:3 (1 cement: 3 sand including necessary chipping etc. and Refixing the CI grating in position (concreting and flooring #to be paid separately)	10.00	NO	133.82	1338.20
437.	Refixing of mirror with necessary screws/ wooden plug complete.	10.00	NO	55.10	551.00
438.	Dismantling broken Indian WC pan including taking out base concrete as necessary.	13.00	NO	55.10	716.30
439.	Removing chokage of rain water, pipe of 100mm dia to 150mm dia, manually.	32.00	Meter	29.99	959.68

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
440.	Removing chokage of underground SW pipe upto 300mm, manually.	50.00	Meter	46.29	2314.50
441.	Providing and fixing 40mm / 50mm dia CP brass dome waste for half stall urinal.	2.00	NO	198.88	397.76
442.	Providing and fixing sensor taps (control panel) concealed type flushing wall for urinal complete set with installation box make of Jaquar or equivalent etc. complete as per direction of EIC.	1.00	NO	14163.32	14163.32
443.	Providing and fixing sensor urinal pan make Hindware Modle No.60007 or equivalent with all fittings etc. complete as per specification & direction of EIC.	1.00	NO	12988.82	12988.82
444.	Providing and fixing urinal pan make of Hindware model "Dynasty" or equivalent with all necessary fittings etc. complete as per specification and direction of EIC.	5.00	NO	6196.60	30983.00
445.	Providing and fixing oval shaped hand wash basin of size 560x410mm of colour burgundy make Hindware /Parryware/Jaquar, fixed on C.I. brackets painted white, rubber plug with 32mm dia waste fittings of standard pattern pipe with C.P. bottle trap, c.p. brass stop cock , stand and union etc. complete cutting walls and floors and making good the same including 15mm PVC inlet connection 450mm long with union etc. complete as per specifications & directions of Manager-in-charge.	3.00	NO	2904.11	8712.33
446.	Providing and fixing oval shaped hand wash basin of size 560x410mm of white colour make Hindware /Parryware/Jaquar, fixed on C.I. brackets painted white, rubber plug with 32mm dia waste fittings of standard pattern pipe with C.P. bottle trap, c.p. brass stop cock , stand and union etc. complete cutting walls and floors and making good the same including 15mm PVC inlet connection 450mm long with union etc. complete as per specifications & directions of Manager-in-charge.	5.00	NO	1327.84	6639.20
447.	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of pproved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	5.00	NO	12024.31	60121.55
448.	Providing and Fixing White Vitreous China Table top wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow including operated levers.	5.00	NO	3517.57	17587.85
449.	Providing & Fixing stainless steel kitchen sink of overall size 610 x 460 mm at all heights including dismantling of existing sink, necessary relocation of existing brackets if required, complete with all labours, tools & tackles etc. if necessary, cutting of existing Kuddappa stone / concrete slab on kitchen platform and cutting / chipping of wall surface and any other bye work like finishing with white cement etc. & making good the surfaces with all cost complete including disposal of debris within 100 mtr lead as per the direction of EIC. (Cement as FIM)	5.00	NO	3152.64	15763.20
450.	Providing & Fixing of PTMT 50mm waste for stainless steel sink.	11.00	NO	71.77	789.47
451.	Providing & Fixing CP 15mm push cock for urinals of approved make.	10.00	NO	242.85	2428.50
452.	Providing & Fixing PTMT Swann neck bib cock / pillar cock of approved make.	10.00	NO	393.44	3934.40

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
453.	Providing & Fixing CP Health fuucet of approved make.	13.00	NO	1761.78	22903.14
454.	Cleaning of OHT of capacity 270 to 1000 ltr, manually & by disinfecting with bleaching powder including removing & refixing of cover slabs, closing & opening of outlet, inlet pipe line, removal & refixing of float valve, draining out water etc. as per direction of EIC.	5.00	NO	122.81	614.05
455.	Cleaning of manhole / inspection chamber including removing & refixing of cover slab.	5.00	NO	122.03	610.15
456.	Providing and fixing sensor hand drier of approved make with all fitting etc. complete as per direction of EIC.	2.00	NO	3541.34	7082.68
457.	P/F of concealed cistern of 10 ltr capacity with dual flush of approved brand as per direction of EIC.	2.00	NO	5488.42	10976.84
458.	M. MISCELLANEOUS Providing and applying water proofing material (Liquid) of approved make in cement concrete or plaster work in the proportion recommended by the manufacturer.	5.00	Liter	46.34	231.70
459.	Supply of Unskilled labour Male/female Collies for Miscellaneous nature of works including necessary tools and tackles etc.	873.00	NO	861.62	752194.26
460.	Supply of Semi- skilled (2nd class mason, carpenter, fitter, plumber etc.) for Miscellaneous nature of works including necessary tools and tackles etc.	170.00	NO	1043.07	177321.90
461.	Supply of Skilled (1st class mason, carpenter, fitter, plumber etc.) Miscellaneous nature of works including necessary tools and tackles etc.	231.00	NO	1221.79	282233.49
462.	Writing of letters with synthetic enamel paint of approved brand and colour of any size including preparation of the surface applying primer, painting along with cost of brushes sand papers etc. all complete	5.00	Square Meter	157.54	787.70
463.	Supplying and applying solvent- free epoxy bonding agent containing pigment and fine filler of Nitobond EP or equivalent over the concrete surface as per manufacturers specifications.	5.00	Square Meter	53.52	267.60
464.	Repairing of damaged portion of floor, slab in any concrete surface by chipping them into a regular shape of depth up to 40mm and making good the surface by applying epoxy resin, cement mortar and finished with graded concrete complete and curing the surface by wet gunny bags for seven days as per direction of Manager-in-charge. (Epoxy materials shall be supplied by Nalco as free of cost)	100.00	Square Meter	115.01	11501.00
465.	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.	16.00	Square Meter	1681.51	26904.16
466.	Repairing of black board by chipping and 18mm thick replastering black oxide in cement mortar 1:3 (1 cement :1/2 black oxide: 3 sand) including a floating coat, curing with wet gunny bags etc. complete.	10.00	Square Meter	41.03	410.30
467.	Supplying, fixing and tensioning in position 12 gauge 2ply, 4 points barbed wire on angle iron/ concrete posts with necessary pins staplers straining bolts and binding wire etc. complete for all heights.	5.00	Meter	18.56	92.80
468.	Tensioning the barbed wire fencing including necessary clips, pins/GI binding wire nuts and bolts wherever necessary at all heights.	10.00	Meter	2.79	27.90

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
469.	Removal of RCC precast, angle iron posts/ struts in good condition along with dismantled of base concrete, transporting the same from the site of removal to the site of work, refixing the same in position including cutting of pockets, if necessary complete as per specification and direction of Manager-in-charge.	2.00	NO	55.61	111.22
470.	Providing and applying sika top-122 or equivalent water proofing compound over concrete surface with filling of cracks including chipping, cleaning the surface etc. complete as directed by Manager-in-charge.	38.00	Square Meter	296.61	11271.18
471.	Providing and fixing in position weld mesh 12 gauge galvanized wire for fencing/ ceiling work of required shape at all heights made out of (50x50)mm, (25x25mm, (50x25)mm mesh galvanized wire, sides knitted with 10mm or 8mm dia tor steel welded to MS structural steel frame or other existing structure etc. all complete as directed by Manager-in-charge. (excluding the cost of fabrication of post and frames excavation, grouting of posts etc. which will be paid separately.)	57.00	Square Meter	111.22	6339.54
472.	Providing and applying sika Crete 985 powder or equivalent in concrete work in a proportion 6-15% by weight of cement to increase durability, compressive strength and density of hardened concrete as per manufacturer's specification.	92.00	Kilogram	53.54	4925.68
473.	Providing and applying curing compound and ANTSOL-E WP of Sika or equivalent as per manufacturers specifications.	2.00	Liter	86.68	173.36
474.	Supplying and applying Sika Latex Nitobond SBR or equivalent as per manufacturers specifications.	41.00	Liter	250.30	10262.30
475.	Supplying and applying Concrete admixture Signite Powder of Sika or equivalent as per manufacturers specifications.	2.00	Kilogram	74.17	148.34
476.	Supplying and applying plasto crete plus of Sika or equivalent as per manufacturers specifications.	32.00	Liter	77.51	2480.32
477.	Providing and fixing 12mm thick prelaminated particle board with decorative lamination one one side and balancing lamination on other side, three layer medium density (exterior grade) particle board grade-I, type-II conforming to IS:12823 bonded with phenol formaldehyde synthetic resin of approved brand and manufacture in panelling fixed in aluminium doors, windows shutters and partition frames with CP brass/ stainless steel screws etc. complete as per architectural drawings and the direction of Manager-in-charge.	10.00	Square Meter	866.15	8661.50
478.	Providing and fixing 12mm thick prelaminated particle board with decorative lamination on both side, three layer medium density (exterior grade) particle board grade-I, type-II conforming to IS:12823 bonded with phenol formaldehyde synthetic resin of approved brand and manufacture in panelling fixed in aluminium doors, windows shutters and partition frames with CP brass/ stainless steel screws etc. complete as per architectural drawings and the direction of Manager-in-charge.	10.00	Square Meter	908.83	9088.30
479.	Filling the gap up to 5mm depth and 5mm width in between aluminium frame & adjacent RCC/brick/stone work by providing weather silica sealant over packer rod of approved quality as per architectural drawing etc. complete as per direction of EIC.	5.00	Meter	68.98	344.90

Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
480.	Supplying and fixing of 600mm dia reinforced punched barbed tape concertina with a stretched up length of 8.0Meter and having 50 nos. of turns in each concertina including all accessories, joining with galvanised special "U" clips for all heights all complete as per direction of EIC.	200.00	Meter	282.37	56474.00
481.	Providing & Applying M-seal as waterproofing adhesive on exposed crack surface of roof, wall or any other surface at any height, level & slope etc. to prevent leakages including preparation of surface, finishing, removal of debris etc. complete as per direction of EIC	12.00	Kilogram	161.10	1933.20
482.	Extra for providing and fixing flush doors with decorative veneering instead of non decorative ISI marked flush door shutters conforming to IS: 2202 (Part-I)	10.00	Square Meter	383.25	3832.50
483.	Providing & Fixing PTMT ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / HPHD plastic ball. (20mm nominal bore, 120mm long weighing not less than 198 gms)	10.00	NO	219.31	2193.10
484.	Providing & Fixing PTMT ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / HPHD plastic ball. (25mm nominal bore, 152mm long weighing not less than 440 gms)	2.00	NO	411.73	823.46
485.	Providing and fixing 10mm 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 EIC- in flooring on a bed of 10mm thick mortar (1:4) (cement as FIM)	10.00	Square Meter	1235.39	12353.90
486.	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. (beyond 30cm girth up to and including 60 cm girth)	10.00	NO	330.40	3304.00
487.	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. (beyond 60cm girth up to and including 120 cm girth)	10.00	NO	1470.95	14709.50
488.	Providing and applying 2.5mm thick road marking strips of make 3M / STP/AUTO MARK (retro-reflective) of specified shade / colour using hot thermoplastic material by fully / semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beds dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T/P, cleaning the road surface of all dirt, seals, oil, grease and foreign materials etc. complete as per direction of EIC and accordance with applicable specifications.	300.00	Square Meter	310.23	93069.00
489.	Supplying and filling of pot holes of bituminous road with road bond including cleaning of surface, compaction etc. complete as per the direction of EIC, Mode of measurement:- Payment shall be made based on weightment of road bond used for filling of pot holes. The party has to execute the job in presence of authorized representative of Nalco for supervision and recording of joint measurements.	20.00	Kilogram	12.10	242.00
490.	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filer, transporting the hot mix to work	2.00	Cubic Meter	8800.00	17600.00

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
	site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per direction of EIC. 25/40 mm compacted thickness with bitumen of grade VG-30 as per IS: 73/2006 equivalent to bitumen 60/70 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of aggregate) prepared in drum type Hot Mix plant of 60-90 TPH capacity. Following materials is required for production of 1 cum bituminous concrete. (a) Paving asphalt of grade VG-30 of approved quality @ 5.5% (percentage by weight of total mix 129.58 kg. (b) Stone aggregate single size 12.5mm nominal size 0.223 cum (c) Stone aggregate single size 10mm nominal size 0.408 cum (d) Stone aggregate single size 6mm nominal size 0.186 cum (e) Stone chipping / screenings 4.75mm nominal size 0.623 cum (f) Dry hydrated lime (factory made) : 66.81 kg weight of 1 cum bituminous concrete is 2.356 kg weight of 1 cum bituminous concrete is 2.356 MT. Mode of measurement: Measurement shall be made on volumetric basis by tipper / hywa measurement subject to weight of bituminous concrete is 2.356 MT/Cum with a tolerance limit is +3%. In case of tolerance limit exceeding by +3% the volume of bituminous concrete shall be worked out on the basis of actual weight of bituminous concrete. Volume of bituminous concrete will be worked out by weight of concrete divided by density of concrete of 2.356 MT/Cum weighment of tipper / Hyva shall be recorded at weighbridge of Nalco steel yard. The bidder is requested to quoted their price accordingly.				
491.	Cleaning of gutters of any section manually, stacking of debris generated within a lead of 50 mtr and disposing the debris to a designated place as per the direction of EIC.	1,433.00	Meter	17.63	25263.79
492.	Cleaning of rainwater down comer pipe up to 200mm dia to remove chockage any where in the pipe and allow free flow of rain water in it. The work includes disposal of debris at the designated place as per the direction of EIC.	50.00	Meter	14.63	731.50
493.	O. SUPPLY ITEMS (CARPENTRY) Supply of MS oxidized handle 125mm	13.00	NO	23.23	301.99
494.	Supply of MS oxidized handle 100mm	2.00	NO	17.41	34.82
495.	Supply of MS oxidized handle 75mm	2.00	NO	13.93	27.86
496.	Supply of MS oxidized sliding door bolt 300x16mm	1.00	NO	108.00	108.00
497.	Supply of MS oxidized sliding door bolt 250x16mm	3.00	NO	97.55	292.65
498.	Supply of MS oxidized Tower bolt 250x10mm	2.00	NO	49.94	99.88
499.	Supply of MS oxidized Tower bolt 150x10mm	5.00	NO	33.67	168.35
500.	Supply of MS screw 15mm (packet of 100 pcs)	2.00	Pack	180.00	360.00
501.	Supply of MS screw 20mm (packet of 100 pcs)	2.00	Pack	37.15	74.30
502.	Supply of MS screw 25mm (packet of 100 pcs)	5.00	Pack	41.81	209.05
503.	Supply of MS screw 30mm (packet of 100 pcs)	5.00	Pack	56.91	284.55
504.	Supply of MS screw 35mm (packet of 100 pcs)	10.00	Pack	72.00	720.00
505.	Supply of MS screw 50mm (packet of 100 pcs)	2.00	Pack	88.26	176.52
506.	Supply of Stainless steel full threaded screw 20mm (packet of 100 pcs.)	2.00	Pack	145.16	290.32
507.	Supply of Stainless steel full threaded screw 30mm (packet of 100 pcs.)	2.00	Pack	220.64	441.28

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
508.	Supply of Stainless steel full threaded screw 40mm (packet of 100 pcs.)	2.00	Pack	249.69	499.38
509.	Supply of Stainless steel wire nail 25 to 50mm	2.00	Kilogram	600.00	1200.00
510.	Supply of door closer heavy duty (Hyper / Godrej make)	34.00	NO	1420.00	48280.00
511.	Supply of Anodized Aluminium Handle 125mm	32.00	NO	37.62	1203.84
512.	Supply of Anodized Aluminium Handle 100mm	2.00	NO	31.94	63.88
513.	Supply of Anodized Aluminium Handle 75mm	2.00	NO	26.82	53.64
514.	Supply of Anodized Aluminium sliding door bolt 300x16mm	11.00	NO	170.72	1877.92
515.	Supply of Anodized Aluminium sliding door bolt 250x16mm	2.00	NO	149.65	299.30
516.	Supply of Anodized Aluminium Tower bolt 250x10mm	2.00	NO	55.86	111.72
517.	Supply of Anodized Aluminium Tower bolt 150x10mm	32.00	NO	35.01	1120.32
518.	Supply of Anodized Aluminium Tower bolt 100x10mm	2.00	NO	26.24	52.48
519.	P. SUPPLY ITEMS (SANITARY) Supply of PTMT Bib cock 15mm of Prayag make or equivalent.	147.00	NO	179.43	26376.21
520.	Supply of PTMT Bib cock long body 15mm of Prayag make or equivalent.	63.00	NO	134.71	8486.73
521.	Supply of PTMT extension nipple 15mm	16.00	NO	34.84	557.44
522.	Supply of PTMT Pillar cock of Prayag make or equivalent of size 125x131x43mm	105.00	NO	328.00	34440.00
523.	Supply of PTMT Push cock 15mm Prayag make or equivalent.	8.00	NO	182.00	1456.00
524.	Supply of PTMT Urinal spreader 15mm dia of Prayag make or equivalent.	20.00	NO	164.00	3280.00
525.	Supply of PTMT stop cock 15mm of Prayag make or equivalent.	54.00	NO	82.46	4452.84
526.	Supply of PTMT angular stop cock 15mm of Prayag make or equivalent.	118.00	NO	116.14	13704.52
527.	Supply of PTMT concealed stop cock 15mm of Prayag make or equivalent.	2.00	NO	155.03	310.06
528.	Supply of PTMT Ball cock of Prayag make or equivalent with epoxy coating aluminium rod and HD ball (15mm float valve)	9.00	NO	116.14	1045.26
529.	Supply of PTMT Ball cock of Prayag make or equivalent with epoxy coating aluminium rod and HD ball (20mm float valve)	41.00	NO	156.78	6427.98
530.	Supply of PTMT Ball cock of Prayag make or equivalent with epoxy coating aluminium rod and HD ball (25mm float valve)	2.00	NO	336.79	673.58
531.	Supply of PTMT Swiveling shower 15mm of prayag make or equivalent.	2.00	NO	80.50	161.00
532.	Supply of PTMT shower arms 225mm long of prayag make or equivalent.	2.00	NO	250.00	500.00
533.	Supply of PTMT PVC connection pipe 15mm dia and 450mm length of prayag make or equivalent.	200.00	NO	65.55	13110.00
534.	Supply of PTMT PVC waste pipe 32mm dia and 800 mm length of Prayag make or equivalent.	162.00	NO	68.00	11016.00
535.	Supply of PTMT PVC waste pipe 40mm dia and 800 mm length of Prayag make or equivalent.	24.00	NO	72.00	1728.00
536.	Supply of CP Pillar cock 15mm	2.00	NO	880.00	1760.00
537.	Supply of CP Pillar cock long nose 15mm	2.00	NO	1500.00	3000.00
538.	Supply of CP bib cock 15mm	20.00	NO	880.00	17600.00
539.	Supply of CP bib cock long body 15mm	2.00	NO	915.00	1830.00
540.	Supply of CP angle stop cock 15mm	24.00	NO	880.00	21120.00

TENDER No.:
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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
541.	Supply of CP urinal spreader	2.00	NO	575.00	1150.00
542.	Supply of CP Grating	2.00	NO	53.00	106.00
543.	Supply of Plunger washer for cistern.	2.00	NO	50.00	100.00
544.	Supply of EPDM rubber washer for stop / bib / pillar cock.	2.00	NO	3.00	6.00
545.	Supply of CPVC pipes of 15mm dia of supreme make or equivalent.	18.00	Meter	56.38	1014.84
546.	Supply of CPVC pipes of 20mm dia of supreme make or equivalent.	1,288.00	Meter	89.46	115224.48
547.	Supply of CPVC elbow 15mm dia of supreme make or equivalent	16.00	NO	21.70	347.20
548.	Supply of CPVC elbow 20mm dia of supreme make or equivalent .	278.00	NO	24.80	6894.40
549.	Supply of CPVC elbow 25mm dia of supreme make or equivalent	146.00	NO	48.10	7022.60
550.	Supply of CPVC union 15mm dia of supreme make or equivalent.	45.00	NO	71.90	3235.50
551.	Supply of CPVC union 20mm dia of supreme make or equivalent.	10.00	NO	116.90	1169.00
552.	Supply of CPVC union 25mm dia of supreme make or equivalent.	5.00	NO	144.80	724.00
553.	Supply of CPVC reducer 20 x 15 mm of supreme make or equivalent.	2.00	NO	29.50	59.00
554.	Supply of CPVC reducing Tee 20 x 15 mm of supreme make or equivalent.	11.00	NO	65.30	718.30
555.	Supply of CPVC FTA 15mm dia of supreme make or equivalent.	3.00	NO	26.40	79.20
556.	Supply of CPVC FTA 20mm dia of supreme make or equivalent.	201.00	NO	37.80	7597.80
557.	Supply of CPVC MTA 15mm dia of supreme make or equivalent.	20.00	NO	20.80	416.00
558.	Supply of CPVC MTA 20mm dia of supreme make or equivalent.	270.00	NO	29.00	7830.00
559.	Supply of GI Elbow 15 mm	2.00	NO	18.00	36.00
560.	Supply of GI Elbow 20 mm	57.00	NO	30.00	1710.00
561.	Supply of GI Elbow 25 mm	62.00	NO	45.00	2790.00
562.	Supply of GI plug 15mm	40.00	NO	7.00	280.00
563.	Supply of GI plug 20mm	92.00	NO	10.00	920.00
564.	Supply of GI Socket 15mm	2.00	NO	17.00	34.00
565.	Supply of GI Socket 20mm	161.00	NO	25.00	4025.00
566.	Supply of GI Socket 25mm	203.00	NO	32.00	6496.00
567.	Supply of GI Socket 32mm	3.00	NO	47.00	141.00
568.	Supply of GI Tee 15mm	2.00	NO	29.00	58.00
569.	Supply of GI Tee 20mm	87.00	NO	45.00	3915.00
570.	Supply of GI Tee 25mm	66.00	NO	63.00	4158.00
571.	Supply of GI Tee 32mm	18.00	NO	90.00	1620.00
572.	Supply of GI short piece up to 150mm lon	2.00	NO	30.00	60.00
573.	Supply of GI short piece up to 150mm lon	9.00	NO	38.00	342.00
574.	Supply of GI Union 15mm	2.00	NO	34.84	69.68
575.	Supply of GI Union 20mm	2.00	NO	56.91	113.82
576.	Supply of GI Union 25mm	2.00	NO	125.42	250.84
577.	Supply of GI Union 32mm	2.00	NO	163.75	327.50
578.	Supply of GI Reducer 20x15mm	2.00	NO	28.00	56.00
579.	Supply of GI Reducer 25mm to any smaller size	15.00	NO	35.00	525.00

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
580.	Supply of GI Reducer 32mm to any smaller size	2.00	NO	52.00	104.00
581.	Supply of GI Reducer 40mm to any smaller size	2.00	NO	67.00	134.00
582.	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick mineral finish water proofing membrane of SIKASTP/PIDILITE/FOSROC of approved colour reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done preferably through the authorised applicator of the manufacturer of membrane as directed by MIC.	100.00	NO	445.30	44530.00
583.	Conversion of all type of L-hook which is supplied by Nalco to J-hook with all cutting, bending and formation of thread all complete.	5,000.00	NO	2.00	10000.00
584.	Applying of Bitumastic putty at all heights on existing roof over hook, stitch bolt, holes etc. all complete as per direction of EIC.	500.00	Square Meter	25.48	12740.00
585.	Supply of 20mm Brass MTA (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	230.50	2305.00
586.	Supply of 20mm Brass FTA (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	226.40	2264.00
587.	Supply of 25mm brass FTA (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	339.80	3398.00
588.	Supply of 25/20 Reducer brass (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	161.70	1617.00
589.	Supply of 20mm Elbow (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	95.80	958.00
590.	Supply of 25mm Elbow (Metal) of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	NO	182.10	1821.00
591.	Supply of CPVC pipe 15mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	Meter	100.00	1000.00

TENDER No.:
SMLT/T&C/S20/OMC-6116/NIT/5424

**SUBJECT: MISCELLANEOUS CIVIL MAINTENANCE
WORKS OF SMELTER PLANT FOR THE
YEAR: 2026-28.**

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Sl. No.	Item Description	Qty.	UoM	Unit Rate (In ₹)	Amount (In ₹) (Excluding GST)
1	2	3	4	5	6 = (5 x 3)
592.	Supply of CPVC pipe 20mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	Meter	141.80	1418.00
593.	Supply of CPVC pipe 25mm of brand AJAY/ASTRAL/ASHRIBAD /SUPREME/FINOLEX / PRAYAG for work - Exposed on wall, having thermal stability for hot & cold water supply as per direction of EIC.	10.00	Meter	219.40	2194.00
594.	Supply of CPVC Solvent cement	10.00	Kilogram	1498.40	14984.00
595.	Supply of self driven screw with EPDM washer up to length from 50 to 75mm	5.00	NO	15.00	75.00
596.	Supplying & Fixing of Unitile False flooring USF 800 MEDG or equivalent cementitious panel 600x600x33mm with 1mm HPL all under structure i.e. pedestal, stringer, Head Cap, i.e. Panel 2.78 Nos. per Sqm, Pedestal & Head Cap 3.3 Nos. per Sqm, Stringer 5.5 Nos. per Sqm and CSK screw 11 Nos. per sqm etc. FFH 450mm to 600mm with wastage if any.	10.00	Square Meter	4925.00	49250.00
597.	Providing and fixing GI chain link fence fabric of mesh size 50mmx50mm made of GI wire 4mm thick and 4mm GI tensioning wire with 4 lines i.e. top, bottom along with two other lines in between top & bottom, 18mm width and 10 mtr stretched length in each roll as per standard specification and design. The chain link fence material shall confirm to IS: 2721:2003, IS:280:2006 and galvanization confirms to IS:4826 with 280GSM. The chain link fence shall be given two coats of anti-corrosive bituminous paint as per IS:158 in black colour by dipping process to protect from corrosion and all complete as per direction of EIC.	10.00	Square Meter	992.67	9926.70
Total Amount [Excluding GST @ 18%] (In ₹) :					7,68,89,430.90
GST @ 18% (In ₹):					1,38,40,097.56
Total Amount [Including GST @ 18%] (In ₹):					9,07,29,528.46

Note:-

- Total estimated value is Rs. 9,07,29,528.46 (including GST @ 18%).
- Bidders have to quote their price in price bid format (Annexure-B4 i.e. MS-EXCEL format as available in the GeM Portal) in the form of overall "EXCESS" or "DISCOUNT" in percentage over total estimated amount for this work. The overall excess/discount percentage quoted by the bidder in the online price bid format shall be applicable over the Rates & Amounts for each & every items of QUANTITY & RATE SCHEDULE.

ANNEXURE-B5

Minimum Wages of Contract Labours
W.E.F. 01/Apr/2026

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 ₹.	ADDITIONAL ELEMENT IN ₹.	CANTEEN SUBSIDY IN ₹	TOTAL IN ₹
1	UNSKILLED WORKER	556.00	57.28	31.24	644.52
2	SEMI SKILLED WORKER	693.00	57.28	31.24	481.52
3	SKILLED WORKER	827.00	57.28	31.24	915.52
4	HIGHLY SKILLED WORKER	964.00	57.28	31.24	1052.52

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

Department: Civil (Plant)	
Sl. No.	PPEs requirement
1	Safety Helmet
2	Dust mask
3	Safety Shoes
4	Safety Goggles
5	Cotton cloves
6	Safety Belt
7	Safety net
8	Full body harness

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 any PPE of workmen the same shall be replaced by the contractor irrespective of the time of use.
3. Frequency of issue:

Sl. No.	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 Gloves	3 pairs per month

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, Smelter, 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.gem.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 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.:
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ANNEXURE-C2

MANDATORY INFORMATION OF THE BIDDER

All Fields are Mandatory. Enclose Certificate/documentary evidence for fields marked with *.	
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:	
* GeM Seller ID:	
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)

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.~~ [Not applicable for this tender].
- (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 undertake 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.**

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.gem.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**

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

*Period for 6 months or more will be treated as One Year and less than 6 months will be ignored.

Signature of the Bidder

ANNEXURE-C7

**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 Net worth is Positive/Negative	Document placed at Page No & File No
1	Last year	Positive/Negative	

Signature & Seal of bidder.

ANNEXURE-C8

DETAILS OF PRESENT COMMITMENTS OF THE TENDERERAS ON - ____ / ____ / ____ (*) - **Not applicable for this tender**

(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

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

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.:
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ANNEXURE-C10

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

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

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

INDEMNITY 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, Odisha" 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 inter alia, 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 loss of damage or destruction to or of the said materials or any item or part thereof by theft, pilferage, fire flood, storm, tempest, lightening, 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) up to 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:-

- 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 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:-

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 `(Rupeesonly) towards earnest money in lieu of cash.
2. WEBank, having its branch office at, IFS Code..... and Branch Mail ID.....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. WEBank 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.
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. WeBank 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-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.datedand 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. WEBank, 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.

5. WeBank 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. WeBank 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 effect 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. WeBank 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-C14

BANK GUARANTEE FOR SECURITY DEPOSIT

(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. WEBank, 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. WeBank 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. WeBank 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 effect 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. WeBank 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
(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 up to 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 up to 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.:
SMLT/T&C/S20/OMC-6116/NIT/5424**

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5. THIS GUARANTEE is irrevocable and will remain in force and effect up to 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 up to _____ 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. WeBank 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% / 115% of the advance payment indicated above. BG amount would be based on advance verses contract value i.e. (i) 110% if advance to be paid is up to 10% of contract value ; otherwise (ii) 115%.
2. WEBank, 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 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. WeBank 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 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 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).

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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, further agree that this Guarantee shall be invocable at our place of business at
Angul/Bhubaneswar (Bank Name),.....(Branch name and address of
the Branch), Odisha, Pin-751...
9. WeBank 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
IFS Code:

.....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 and processed through SFMS.
- 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-C17

LIST OF STANDARDISED BANKS

I. List of PSU Banks			
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 Baroda	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		

II. List of Private Banks			
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.

III. List of Foreign Banks					
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	SOGF 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

[illegible]

ANNEXURE-C19

NATIONAL ALUMINIUM COMPANY LIMITED
SMELTER 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

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 _____ 2026, 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 _____ (with designation of the Officer) (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 _____ 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-contractor 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).
- 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 hisby 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.

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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 _____.

For & on behalf of

For & on behalf of

BUYER

BIDDER

Name of the Officer: **Shri V. Senthil**

Designation: **GM (T&C), Smelter Plant**

Company: NALCO

Official Seal

Witness

Witness

1. _____

1. _____

2. _____

2. _____

.....

*[*The following mandatory format (Annexure-C22) to be executed on*

NON-JUDICIAL STAMPED PAPER

& hard copy to be submitted at T&C Department before bid opening]

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.....

....., **Service Purchase Order No.:**, **Dated.**/...../..... on theth 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.

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.

A N D

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.)

(M/S.....)

PLACE: NALCO SMELTER / CPP DIVISION ANGUL. PLACE:.

IN THE PRESENCE OF TWO WITNESSES.

NALCO'S WITNESS.

CONTRACTOR'S WITNESS.

01) _____ 01) _____

02) _____ 02) _____

PLACE: NALCO, SMELTER / 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 04 (Four) months from the actual date of tender opening at online 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 bid has been uploaded in the CPP/GeM portal separately.	
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.	
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.	
6.0	Confirm your compliance to critical stipulations of bidding document as mentioned in ITB.	
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.	

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SL. NO.	NALCO'S QUERY	BIDDER'S REPLY/ CONFIRMATION
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.	
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.	Not applicable

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

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 (Annexure-C4)	Yes / No	Yes / No
6.	Phone no/ Mobile no (Annexure-C4)	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
		(b) Downloaded from Internet	Yes / No
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 Annexure-C4	Yes / No	Yes / No
15.	Undertaking of downloaded tender documents as per Annexure-C5	Yes / No	NA
16.	Bank mandate for e-payment form as per Annexure-C10	Yes / No	Yes / No

Sl. No.	Documents description	For Two Part	For Single Part
17.	Annexure-C19 & C20 regarding relatives in NALCO	Yes / No	Yes / No
18.	Annexure-C8 regarding details of commitments and information of the tenderer -Not applicable for this tender	NA	NA
19.	Documentary evidence in support of pre-qualifying criteria of the NIT Work Orders listing as per (Annexure-C6) Work Orders listing as per (Annexure-C7)	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 (Annexure-C21)	Yes/No	Yes/No
27.	Affidavit towards Litigation History in Non-Judicial Stamp Paper, duly Notarized (Annexure-C22)	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

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 up to _____
DD No. _____ Dated _____ Drawn on _____ Valid up to _____
BC No. _____ Dated _____ Drawn on _____ Valid up to _____
- 4.0 **Validity of Offer** is up to _____ **Months** from the date of submission of offer.
Yes ☐ Valid Up to _____.
- 5.0 **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. _____
- 6.0 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) _____
- 7.0 **Details of Past Experience** in the proforma enclosed in the Bidding Document.
Submitted. ☐
- 8.0 ~~**Details of Present Commitments** in the proforma enclosed in the proforma enclosed in the Bidding Document.~~ **[Not applicable for this tender]**
Submitted. ☐
- 9.0 List of minimum equipment proposed to be deployed for the work in the proforma enclosed in the Bidding Document.
Submitted. ☐ Ref.: _____

10.0 Deployment Schedule of equipment proposed for the work in the proforma enclosed in the Bidding Document.

Submitted. Ref. _____

11.0 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. _____

12.0 Deployment Schedule of Supervisory Personnel proposed for the work in the proforma enclosed in the Bidding Document.

Submitted Ref. _____

13.0 Power of Attorney in favour of person who has signed the offer in stamp paper of appropriate value.

Submitted. Ref. _____

14.0 Partnership Deed in case of partnership firm and Articles of Association in case of limited company.

Submitted.

15.0 Declaration regarding relationship with client's Director

Submitted.

16.0 Copy of P.F & ESI code, Service Tax registration certificate:

Submitted.

17.0 An Overall Schedule, clearly indicating all important milestone of the construction activities.

Submitted. Ref. _____

18.0 Bid Compliance Statement (confirmation for no deviation stipulated in Bid) in the proforma enclosed.

Submitted. Ref. _____

**TENDER No.:
SMLT/T&C/S20/OMC-6116/NIT/5424**

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19.0 Exception and Deviation Statement in the proforma enclosed.

Submitted. ☐

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

Submitted. ☐

No. of copies submitted: _____

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

Submitted. ☐

22.0 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 (Audited by C.A)	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 (Original)		---- 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) -Not applicable for this tender		---- 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 ---

NOTE –

- The above details must be filled up and submitted, along with the bid document.
- All the above mentioned documents needs to be submitted along with the offers.
- The bid submitted must have 6 files as mentioned above and must contain the contents specified against each file.

Page nos. (Ex:- pages --- to ---) must be mentioned against each file.

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:

Annexure-C29

WORK COMPLETION CERTIFICATE

1. Name Of the Work:
2. Work Order Reference No. & Date:
3. SAP Purchase Order No.
4. Name of the Contractor & SAP Vendor Code:
5. Contract Period: From To
6. Amended Contract Period: From To
7. Contract Value (Excluding GST) (Rs.):
8. Final Amended Contract Value (Excluding GST) (Rs.):
9. 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)

Name:

Designation:

Dept.:

Date:

(Signature of HOD)

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.

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 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.

GENERAL CONDITIONS OF CONTRACT (GCC)

(Enclosed with this Tender)

&

Online GeM Percentage BoQ to be filled up by the bidder
